

Žádost

děkanovi Fakulty potravinářské a biochemické technologie
Vysoké školy chemicko-technologické v Praze

Podávám návrh na zahájení řízení ke jmenování profesorem pro obor biochemie

Jméno: **Radovan Hynek**
Rodné číslo:
Bydliště:
Pracoviště: Ústav biochemie a mikrobiologie, FPBT, VŠCHT v Praze

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3. **RNDr. Václav Kašička, CSc.**, Ústav organické chemie a biochemie AV ČR Flemingovo nám. 2, 166 10 Praha 6 – Dejvice
4. **Prof. Ing. Jan Káš, DrSc.**, Ústav biochemie a mikrobiologie, FPBT, VŠCHT v Praze

Ke svému návrhu přikládám (podle § 74, odst. 2 zákona č. 111/1998 Sb., o vysokých školách a o změně a doplnění dalších zákonů) v písemné a elektronické formě:

1. Soubor v nerozebíratelné úpravě obsahující

- a) životopis,
- b) přehled pedagogické a odborné činnosti
- c) přehled vědeckých a odborných prací, vynálezecké a realizační činnosti, odborně-společenské aktivity, mezinárodní spolupráce, domácích a zahraničních stáží a nejvýznamnějších tvůrčích aktivit,
- d) stručný pedagogický projekt.

2. Dále ke svému návrhu přikládám*:

- doklady o dosaženém vysokoškolském vzdělání a získaných titulech,
- doklad o habilitačním řízení.

Datum: 6. 10. 2016

Podpis:

* Doklady se předkládají na děkanát fakulty k nahlédnutí v originále či jako úředně ověřené kopie a vracejí se zpět uchazeči.

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1. Životopis

Jméno: doc. Dr. Ing. Radovan Hynek

Rodné příjmení: Hynek

Datum narození:

Místo narození:

Stav:

Bydliště:

Zaměstnání: Docent pro obor biochemie, FPBT, VŠCHT v Praze

1.1. Vzdělání

2008: Doc.: Habilitační práce: *Studium proteinů metodou peptidového mapování*, FPBT, VŠCHT v Praze.

1996 – Doktor: Ústav biochemie a mikrobiologie, FPBT, VŠCHT v Praze; disertační práce „*Detekce a studium patologických změn lidských aspartátových proteináz chromatografickými a elektroforetickými metodami*“; školitel: Prof. Ing. Jan Káš, DrSc.

1993 - Inženýr: Ústav kvasné chemie a bioinženýrství, FPBT, VŠCHT v Praze; diplomová práce „*Biologické odstraňování polutantů z odpadních plynů*“; školitel Prof. Ing. Jan Páca, DrSc.

1983-1987: Akademické gymnázium Štěpánská (Štěpánská 22, Praha 1)

1.2. Průběh praxe

2009- Docent pro obor biochemie na Ústavu biochemie a mikrobiologie, FPBT, VŠCHT v Praze.

1998-2008: Odborný asistent na Ústavu biochemie a mikrobiologie, FPBT, VŠCHT v Praze.

2005-2008: Hostující vědecký pracovník; řešení projektu zaměřeného na *studium integrálních proteinů plasmatické membrány souvisejících s klíčením semen*. Enzyme and Protein Chemistry Group (Prof. Birte Svensson), DTU Biosys, Department of System Biology, Technical University of Denmark (DTU), Lyngby, Denmark.

2005 (3 měsíce): EMBO (European Molecular Biology Organization) fellowship: “*Proteomická analýza membrán aleuronové vrstvy semen ječmene ve vztahu k přenosu signálu při klíčení*” (uděleno pro zahájení výzkumného projektu na Dánské technické universitě, Lyngby, Denmark).

1997 (1 rok): Postdoktorandský pobyt (Postdoctoral fellowship) zaměřený na “*Peptidové mapování v mikroměřítku s využitím proteolytických mikroreaktorů, mikrokapilární chromatografie a MALDI-TOF*“; Indiana University, Bloomington, Indiana, U.S.A. (group of Prof. M. Novotny).

1992 (10 týdnů): Letní výzkumný program na téma: “*Orientovaná imobilizace enzymů*” Baylor University, Waco, Texas, U.S.A. (group of Prof. W. H. Scouten).

2. Pedagogická činnost

2.1. Přehled

Činnost cca od habilitace (2009-2016)

Předmět (typ studia- magisterské, bakalářské, doktorské)	Rozsah (hod/týden)	Počet semestrů	Druh (P, C, L)	Zkoušeno studentů
Biochemie I a Biochemie A (hlavní přednášející)	3	7	P	1200 (cca)
Biochemistry (výuka v angličtině; hlavní vyučující)	3/1	4	P/C	20 (cca)
Biochemie D (hlavní vyučující)	3	5	P	18 (cca)
Biochemie II a Biochemie B (alterující vyučující)	2	5	5	20 (cca)
Laboratoře ze speciální biochemie	5	3	L	
Laboratoř oboru	6	7	L	
Tutorství zahraničních studujících	2 (cca)	10		
Patronace studentů BP	2	10		

Vedení BP, DP a disertačních prací (viz níže)

Garant studijního programu pro bak. studium Biochemie
biotechnologie v současnosti příprava akreditace

Garant Biochemie I a Biochemie A

Garant Biochemie pro doktorský studijní program

Garant Biochemistry I

Členství v komisích SZZ (BP, DP, Ph.D. etc)

Činnost cca do habilitace (tedy do r. 2008)

Předmět (typ studia- magisterské, bakalářské, doktorské)	Rozsah (hod/týden)	Počet semestrů	Druh (P, C, L)	Zkoušeno studentů
Biochemie I	1	7	C	
Biochemie II	1	7	C	
Bioinformatika	1	6	C (*P)	asi 110
Seminář biochemie pro 5. ročník	2	3	C	
Laboratoře biochemie	12	7	L	
Kroužková hodina	1	2		

Organizace studentských vědeckých konferencí
(SVK) v letech 2000 - 2004

*Semináře bioinformatiky měly částečně charakter přednášek, protože studenty specializace biochemie a mikrobiologie bylo nutné seznámit s používáním biochemických databází. V rámci výuky tohoto předmětu jsem byl rovněž pověřen zkoušením studentů.

2.2. Vedení studentů

Obhájené bakalářské práce: 12

Obhájené diplomové práce: 11

Obhájené doktorské dizertační práce: 2 (viz níže)

1. Ing. Lukáš Krásný, Ph.D. Techniky obohacení fosforylovaných peptidů *In-situ* před MALDI MS analýzou. Obhájena 2015.
2. Ing. Petra Junková, Ph. D. Studium interakce retrovirového matrixového proteinu s liposomy metodou povrchového mapování. Obhájena 2016.

Současné doktorské dizertační práce: 6 (z toho 3 přerušené)

1. Ing. Iva Pitelková: Proteomické aspekty abiotických stresů u rostlin (očekávaná obhajoba 2017)
2. Ing. Tereza Bláhová: Proteomická analýza rostlinné odpovědi na stres v 1.ročníku
3. Ing. Lucie Maršálová: Vliv isoxabenu na proteom plasmatické membrány a buněčné stěny u *Arabidopsis thaliana* (*sepisuje výsledky/mateřská ale nepřerušeno;*)

Přerušené (mateřská dovolená/zdravotní důvody)

4. Ing. Lucie Coufalová (přerušeno mateřská dovolená; dost publikací na obhajobu): Studium mineralizace aortálních chlopní a patologických procesů spojených s osteogenezí
5. Ing. Marie Nýdrlová (přerušeno mateřská dovolená): Vývoj nových metodických postupů pro analýzu obtížně rozpustných materiálů pomocí hmotnostní spektrometrie
6. Ing. Iva Křížová (přerušeno ze zdravotních důvodů): Kvantifikace proteinů v historických materiálech

2.3. Autorství učebních textů a pomůcek, další pedagogické aktivity

1. Kodíček M., Valentová O., **Hynek R.**: Biochemie; chemický pohled na biologický svět (1. vydání) 416 stran, Vysoká škola chemicko-technologická v Praze, Praha 2015; ISBN: 978-80-7080-927-3.

Lektorovaná nová učebnice Biochemie v tištěné formě.

2. Kuckova, S., **Hynek, R.**, Kodicek, M.: MALDI-MS Applied to the Analysis of Protein Paint Binders. Chapter in *Organic mass spectrometry in art and archaeology* (F. Modugno, Ed.) John Wiley & Sons, Inc. (2009; Str. 165-187).

Rozsáhlá knižní kapitola s charakterem učebního textu v angličtině. Tištěná lektorovaná.

3. **Hynek R.**, Kodíček M., Lipovová P., Valentová O., Fukal L.: Kontrolní otázky v rozsahu výuky předmětu Biochemie I. 2015 (Podpořeno grantem PIGA C_VSCHT_2015_010) Odkaz: <http://biomikro.vscht.cz/vyuka/?link=ko> Elektronická studijní pomůcka.

4. **Hynek R.**, Valentová O.: Biochemistry – Extended Syllabus in English (studijní materiály pro výuku předmětu Biochemistry I. 2010. V elektronické formě:
http://biomikro.vscht.cz/vyuka/ba1/Biochemistry_I_Hynek_Valentova.pdf

2.4. Inovační přínos pro pedagogickou práci

1. Podíl na inovaci výuky předmětu Biochemie I. spoluautorstvím nové učebnice Biochemie: Kodíček M., Valentová O., **Hynek R.**: Biochemie; chemický pohled na biologický svět (1. vydání) 416 stran, Vysoká škola chemicko-technologická v Praze, Praha 2015; ISBN: 978-80-7080-927-3

a vytvořením souboru kontrolních otázek:

Hynek R., Kodíček M., Lipovová P., Valentová O., Fukal L.: Kontrolní otázky v rozsahu výuky předmětu Biochemie I. 2015 (Podpořeno grantem PIGA C_VSCHT_2015_010) Elektronická studijní pomůcka. Odkaz: <http://biomikro.vscht.cz/vyuka/?link=ko>

2. Vytvoření podpůrných studijních materiálů pro předmět Biochemistry I.: **Hynek R.**, Valentová O.: Biochemistry – Extended Syllabus in English. Elektronická verze: http://biomikro.vscht.cz/vyuka/ba1/Biochemistry_I_Hynek_Valentova.pdf

3. Tutorství zahraničních studentů v rámci celé VŠCHT zahrnující samoplátce i program Erasmus. Jedná se zejména o pomoc zahraničním studentům při řešení jejich studijních záležitostí.

2.5 Pedagogický projekt

Mé plány dalších pedagogických aktivit navazují na výše zmíněné inovace (viz 2.4) a týkají se převážně výuky biochemie, což vyplývá ze skutečnosti, že biochemii přednáším na VŠCHT již sedm let a zkouším tudíž značný počet studujících (viz 2.1).

V blízké budoucnosti plánuji zefektivnit výuku Biochemie I vytvořením souboru minimálních požadovaných znalostí. Tento projekt naváže na již vytvořené studijní materiály (viz 2.4) a umožní studujícím rychleji proniknout k samému jádru biochemie a snáze pochopit, co jsou elementární znalosti tohoto předmětu. Soubor základních vědomostí bude užitečný samozřejmě též při přípravě na zkoušku z Biochemie I i na státní závěrečné zkoušky.

Ještě letos (2016) bude zahájena příprava druhého vydání výše zmíněné učebnice biochemie: Kodíček M., Valentová O., **Hynek R.**: Biochemie; chemický pohled na biologický svět. Na jejím vydání se budu opět podílet a zúročím tak mimo jiné i podněty a připomínky k prvnímu vydání, které mám díky svému pedagogickému působení v této oblasti.

Dále je v plánu inovace podpůrných studijních materiálů pro výuku v angličtině předmětu Biochemistry I. Zde zvažujeme, zda stávající materiály aktualizujeme, či zda přistoupíme k překladu připravovaného rozšířeného druhého vydání již zmíněné učebnice biochemie do angličtiny.

Z pozice garanta bakalářského studijního programu Biochemie a biotechnologie se plánuji podílet na formulování koncepce výuky v rámci nové žádosti o akreditaci tohoto oboru. Při přípravě této koncepce chci mimo jiné usilovat o racionalizaci výuky odstraněním redundancí v předmětech.

3. Vědecká aktivita

3.1. Přehled vědecko-výzkumných a inovačních aktivit

Přehled publikačních aktivit, účasti na konferencích, grantových projektech, udělených patentech a technické realizační činnosti

H index: 14

	Aktivita	Počet	Z toho ve světovém jazyce	SCI*	Suma IF
1.	Vědecké práce evidované v databázi Web of Science	42	37	381	82,116
2.	Vědecké práce evidované v databázi Scopus, které nejsou uvedené v databázi Web of Science	1	1		
3.	Vědecké práce v neimpaktovaných časopisech s recenzním řízením	8	2	-	-
4.	Kapitoly v monografiích, monografie	4	2	-	-
5.	Články v časopisech bez recenzního řízení, články ve sbornících	16	1	-	-
	CELKEM 1 - 5	69	43	381	82,116

*Science Citation Index - suma citací bez autocitací

	Aktivita	Počet
6.	Osobně přednesené přednášky v zahraničí a na mezinárodních konferencích	11
7.	Spoluautorství ostatních přednášek a posterů na mezinárodních konferencích	30
8.	Osobně přednesené přednášky v ČR a na národních konferencích	1
9.	Spoluautorství ostatních přednášek a posterů na národních konferencích	4
	CELKEM 6 - 9	46
10.	Odpovědný řešitel zahraničních grantů	1
11.	Odpovědný řešitel domácích grantů	3
12.	Spoluřešitel zahraničních grantů	2
13.	Spoluřešitel domácích grantů	3
	CELKEM 10 - 13	9
14.	Udělené evropské nebo mezinárodní patenty (EPO, WIPO), patenty USA a Japonska	

15.	Udělené české nebo jiné národní patenty, které jsou využívány na základě platné licenční smlouvy	
16.	Udělené české nebo jiné národní patenty, které jsou využívány jen vlastníkem patentu, nebo nejsou využívány	
17.	Autorství realizovaného komplexního technického díla s udaným společenským přínosem	
18.	Poloprovozy, ověřené technologie	
19.	Užitné a průmyslové vzory, prototypy, funkční vzorky, software	
	CELKEM 14 - 19	

3.2. Vědecké práce evidované v databázi Web of Science

H index: 14, Citací (bez autocitací): **381**, Celkem citací: **442**, S kompletním seznamem jednotlivých citací - viz WOS nebo výpis v příloze kap. 8 - k dispozici v elektronické formě.

1. Maršálová L., Vítámvás P., **Hynek R.**, Prášil I. T., Kosová K.: Proteomic response of *Hordeum vulgare* cv. Tadmor and *Hordeum marinum* to salinity stress: Similarities and differences between a glycophyte and a halophyte. *Frontiers in Plant Science* 7, article number 1154 (2016). IF 4,495.
2. Pavelka J., Smejda L., **Hynek R.**, Kučková S.: Immunological detection of denatured proteins as a method for rapid identification of food residues on archaeological pottery *Journal of Archaeological Science* 73, 25-35 (2016). IF 2,255
3. Junková P., Prchal J., Spiwok V., Pleskot R., Kadlec L. Krásný L., **Hynek R.**, Hrabal R. and Ruml T.: Molecular aspects of the interaction between Mason-Pfizer monkey virus matrix protein and artificial phospholipid membrane. *PROTEINS: Structure, Function, and Bioinformatics*. (Přijato: Srpen 2016) IF 2,499
4. Kuckova S., Santrucek J., Adamec M., **Hynek R.**, Zeman A. Chemical analysis of Gothic mortar from a bridge pier in Roudnice nad Labem (Czech Republic) *Journal of Liquid Chromatography & Related Technologies* (Přijato září 2016). IF 0,606
5. Krasny L., Pompach P., Strnadova M., **Hynek R.**, Valis K., Havlicek V., Novak P., Volny M.: High-throughput workflow for identification of phosphorylated peptides by LC-MALDI-TOF/TOF-MS coupled to in situ enrichment on MALDI plates functionalized by ion landing. *J.Mass Spectrom.* 50, 802-811 (2015). IF 2,541; SCI 2.

6. Kuckova Hrdlickova S., Rambouskova G., **Hynek R.**, Cejnar P., Oltrogge D., Fuchs R.: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification. *Journal of Mass Spectrometry* 50: 1270-1278 (2015). IF 2,541
7. Hrdličková Kučková Š., Sandu I. C. A., Křížková Crhová M., Coufalová L., Křížová I., **Hynek R.**, Muralha S. V., Shafer S., Fogaš I.: Materiálový průzkum zlacení na středověkém polychromovaném relief. *Chemické Listy* 109: 864-869 (2015). IF 0.272
8. Krásný L., Rohlová E., Růžičková H., Šantrůček J., **Hynek R.**, Hochel I.: Differentiation of *Cronobacter* spp. by tryptic digestion of the cell suspension followed by MALDI-TOF MS analysis. *J. Microbiol. Methods.* 98, 105-113 (2014). IF 2.096, SCI 1.
9. Hrdlickova Kuckova, S., Crhova Krizkova, M., Cortes Pereira, C.L., **Hynek, R.**, Lavrova, O., Busani, T., Cobra Branco, L., Sandu I.C.A.: Assessment of green cleaning effectiveness on polychrome surfaces by MALDI-TOF mass spectrometry and microscopic imaging. *Microscopy Research and Technique* 77: 574-585 (2014). IF 1,154; SCI 14.
10. Krizkova, Crhova, M., Hrdlickova Kuckova, S., Santrucek, J., **Hynek, R.**: Peptide mass mapping as an effective tool for historical mortars analysis. *Constr. Build. Mater.* 50: 219-225, 2014, IF 2,421, SCI 4.
11. Krizova, I., Styblova, M., Coufalova, L., **Hynek, R.**, Kuckova, S.: Analýza organických barviv a pigmentů používaných v uměleckých dílech pomocí laserové desorpční hmotnostní spektrometrie. *Chem. Listy* 108 (6): 604-609 2014. IF 0.272
12. Hlaváčková I., Vítámvás P., Šantrůček J., Kosová K., Zelenková S., Prášil I.T., Ovesná J., **Hynek R.**, Kodíček M.: Proteins Involved in Distinct Phases of Cold Hardening Process in Frost Resistant Winter Barley (*Horedum Vulgare* L.) cv Luxor. *International Journal of Molecular Sciences* 14, 8000-8024 (2013). IF 3,257; SCI 8.
13. Coufalova, L., Kuckova, S., Velcovska, M., Zeman, A., Smid, M., Havelcova, M., **Hynek, R.**: Innovative technique for the direct determination of proteins in calcified aortic valves. *Anal. Bioanal. Chem.* 405: 8781-8787, 2013. IF 3,436
14. Zeman, A., Smid, M., Havelcova, M., Coufalova, L., Kuckova, S., Velcovska, M., **Hynek, R.**: The structure and material composition ossified aortic valves identified using a set of scientific methods. *J. Asian Earth Sci.* 77, 311-317, 2013. IF 2,647, SCI 1.
15. Krásný L., **Hynek R.**, Hochel I.: Identification of bacteria using mass spectrometry techniques. *Int. J. Mass. Spectrom.* 353, 67-79 (2013). IF 1,972, SCI 15.
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3.4. *Vědecké práce v neimpaktovaných časopisech s recenzním řízením*

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3.5. *Kapitoly v monografiích, monografie*

1. Kodíček M., Valentová O., **Hynek R.:** Biochemie; chemický pohled na biologický svět (1. vydání) 416 stran, Vysoká škola chemicko-technologická v Praze, Praha 2015; ISBN: 978-80-7080-927-3.

2. Kučková, Š., Vávra, J., **Hynek, R.,** Kodíček, M.: Analýza obsahu keramických a skleněných nádob metodou peptidového mapování: In: Ján Beljak - Gertrúda Březinová - Vladimír Varsík (editori). *Archeológia Barbarov* 2009. Hospodárstvo Germánov. *Archaeologica slovaca*

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3. Kuckova, S., **Hynek, R.**, Kodicek, M.: MALDI-MS Applied to the Analysis of Protein Paint Binders. Chapter in *Organic mass spectrometry in art and archaeology* (F. Modugno, Ed.) John Wiley & Sons, Inc. (2009; Str. 165-187).

4. **Hynek, R.**, Kozak, A., Sajdok, J. & Kas J.: Chelating Sorbents for Affinity Chromatography (IMAC). Chapter in the *Encyclopedia of Chromatography* (J. Cazes, Ed.) Dekker, Inc.: New York, 2001; 157-158 (ISBN: 0-8247-0511-4).

3.6. Články v časopisech bez recenzního řízení, články ve sbornících

1. **Hynek, R.**: Není hmořák jako hmořák aneb porovnání MALDI-TOF/TOF MS a LC-Q-TOF MS. *Biopropekt* 24 (1) 2014.
2. Křížová, I., Kučková, Š., **Hynek, R.**, Němec, I., Čabala, R.: *Možnosti identifikace proteinových příměsí v historických maltových materiálech*. Fórum pro konzervátory-restaurátory. Reprocentrum Blansko. ISBN 978-80-86413-89-3. Str. 9-13 (2013).
3. Kučková, Š., Sandu, I., Crhová, M., **Hynek, R.**, Fogaš, I., Schafer, S.: Porovnání metod hmotnostní spektrometrie využívající enzymové štěpení při analýze proteinových pojiv. Fórum pro konzervátory-restaurátory. Reprocentrum Blansko. ISBN 978-80-86413-89-1. Str. 28-30 (2012).
4. Crhová, M., Kučková, Š., **Hynek, R.**, Kodíček, M.: Metoda peptidového mapování aplikovaná na analýzu historických malt. Fórum pro konzervátory-restaurátory. Reprocentrum Blansko. ISBN 978-80-86413-89-1. Str. 85-88 (2012).
5. Crhova, M., Kuckova, S., Sandu, I.C.A., Roque, A.C., **Hynek, R.**, Kodíček, M.: Imunochemický rozbor historických malt. Muzea, památky a konzervace 2011, Masarykova univerzita, Brno, ISBN 978-80-210-5628-2. Str. 106-111 (2011).
6. Crhová, M., Kučková, Š., **Hynek, R.**, Kodíček, M.: Proteomická identifikace přírodních materiálů v historických maltách a zjištění vlivu stárnutí a pH na jejich identifikaci. Muzea, památky a konzervace 2010, Slezské zemské muzeum Opava, ISBN 978-80-86224-83-1. Str. 16-21 (2010).
7. Köhlerová, V., Kučková, Š., **Hynek, R.**: Identifikace proteinových pojiv obsažených v uměleckých dílech pomocí plynové chromatografie, Muzea, památky a konzervace 2010, Slezské zemské muzeum Opava, ISBN 978-80-86224-83-1. Str. 33-36 (2010).
8. Kučková, Š., Čámská, L., Kofroňová, P., **Hynek, R.**, Kodíček, M.: Vliv anorganických pigmentů na identifikaci proteinových pojiv hmotnostní spektrometrií, *Sborník Konference konzervátorů-restaurátorů*. Str. 104-109, ISBN 978-80-86413-72-3 (2010).
9. Čámská, L., Kučková, Š., **Hynek, R.**, Kodíček, M.: Vliv anorganických pigmentů na identifikaci vaječných temper pomocí hmotnostní spektrometrie, *Sborník konference Muzea, památky, konzervace*. Str. 48-50, ISBN 978-80-86413-68-6 (2009).

10. Kučková, Š., Crhová, M., Zeman, A., Koník, P., **Hynek, R.**, Kodíček, M.: Proteinová pojiva v mostních konstrukcích a dalších historických objektech, *Sborník Konference konzervátorů-restaurátorů*. Str. 40-42. ISBN 978-80-86413-62-4, ISSN 1801-1179 (2009).
11. **Hynek, R.**: Transmembránové proteiny – Výzva pro hledání nových analytických přístupů. *Bioprospekt* 19 (1) 2009.
12. Kučková, Š., **Hynek, R.**, Kodicek, M.: Analýza uměleckých předmětů hmotnostní spektrometrií. *Sborník Konference konzervátorů-restaurátorů*. Str. 94-97. ISBN 978-80-86413-49-5, ISSN 1801-1179 (2008).
13. Kuckova, S., **Hynek, R.**, Kodicek, M.: Analysis of art objects using mass spectrometry. Článek ve sborníku *9th International Conference on NDT of Art*, Jerusalem Israel, 25-30 May 2008; 8 stran; dostupný na: <http://www.ndt.net/article/art2008/papers/052Kuckova.pdf>
14. Kučková, Š., **Hynek, R.**, Kodíček, M.: Rozbor malty z Karlova mostu. Kapitola ve *Zprávě o stavbě Karlova mostu* (M. Cihla) Muzeum Karlova mostu. Str. 53-54 (2008).
15. **Hynek R.**: 5th IUBMB Conference on the Biochemistry of Health and Diseases (zpráva z konference), *Bioprospekt* 9, 13-14 (1999).
16. **Hynek R.**: Studium proteinů pomocí peptidového mapování, *Bioprospekt* 8, 6-8 (1998).

3.7 Osobně přednesené přednášky v zahraničí a na mezinárodních konferencích

1. **Hynek R.**: General principles of proteomics; application on solution of biological questiones. The University Centre in Svalbard, Longyearbyen, Norway; March 9 2015.
2. **Hynek R.**: Unconventional proteomics; the use of proteomics methods in environmental research; focused on metaproteomics. The University Centre in Svalbard, Longyearbyen, Norway; March 10 2015.
3. **Hynek R.**: Potential of applied proteomics on research in polar areas. The University Centre in Svalbard, Longyearbyen, Norway; March 11 2015.
4. **Hynek R.**: Obstacles in analysis of the integral membrane proteins and their alleviation. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, *Workshop* 7th May, 2008.
5. **Hynek R.** : Identification of integral membrane proteins in embryos of germinating barley seeds. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, December 10th, 2007.
6. **Hynek R.** : Identification of integral plasma membrane proteins from barley dry seeds embryos by reversed-phase chromatography, SDS-PAGE and LC-MS/MS. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark 11th June, 2007.
7. **Hynek R.** : Enrichment and identification of integral membrane proteins from barley aleurone layers by reversed-phase chromatography, SDS-PAGE and LC-MS/MS. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, 19th June, 2006.
8. **Hynek R.** : Reversed-phase chromatography in microspin columns as an efficient tool for removal of soluble contaminants in plasma membrane protein preparation. DTU Biosys,

Department of System Biology, Technical University of Denmark, Lyngby, Denmark, 11th December, 2006.

9. **Hynek R.** : Plasma membrane proteins from barley aleurone layer. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, September 2005.

10. **Hynek R.** : Membrane proteins from barley aleurone layer: Project goals, difficulties and suggestions. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, *Proteome Day, 19th August, 2005*.

11. **Hynek R.** : Barley aleurone layer plasma membrane proteomics. DTU Biosys, Department of System Biology, Technical University of Denmark, Lyngby, Denmark, *DTU Talks, 15th June, 2005*.

3.8 Osobně přednesené přednášky v ČR a na národních konferencích

Hynek R.: Kvantifikace proteinů pomocí hmotnostní spektrometrie; Seminář REMOROST 14.-15.9. Poděbrady 2009.

3.9 Odpovědný řešitel zahraničních grantů

1. EMBO (European Molecular Biology Organization) Short Term Fellowship (3 měsíce v roce 2005) ASTF No: 39-04: *Proteome analysis of the membrane of barley aleurone layer for identification of proteins involved in germination signaling*.

Projekt byl úspěšně splněn a vedl k publikování průlomové studie týkající se integrálních membránových proteinů v klíčících semenech:

Hynek R., Svensson B., Jensen O.N., Barkholt V., Finnie C.: Enrichment and identification of integral membrane proteins from barley aleurone layers by reversed-phase chromatography, SDS-PAGE and LC-MS/MS. *Journal of Proteome Research* 5, 3105-3113 (2006). IF 4,173; SCI 29

3.10 Odpovědný řešitel domácích grantů

1. Implementation of iTRAQ (isobaric tags for relative and absolute quantitation) for quantification of integral membrane proteins from plant cells Grant no.: 203/09/0036 GAČR; 2009-2011 (hlavní řešitel).
2. Posttranslační fosforylace proteinů. Grant no.: 203/98/P201; GAČR; 1998-2011 (hlavní řešitel).
3. Kontrolní otázky v rozsahu výuky předmětu Biochemie I. 2015 (Elektronická studijní pomůcka). **Hynek R.**, Kodíček M., Lipovová P., Valentová O., Fukal L.: PIGA C_VSCHT_2015_010 (hlavní řešitel).

3.11 Spoluřešitel zahraničních grantů

1. Implementace nových metod ve výuce biochemie a forenzní analýzy. Operační program Praha – Adaptabilita; reg č.: CZ.2.17/3.1.00/36021 (1.7. 2013-28.2.2015) (Grant EU/ magistrát HMP) (Odborný garant projektu).
2. Project Operational Program Prague–Competitiveness (OP PC) Z.2.16/3.100/22197 (podíl na přípravě podkladů pro proteomickou část, příprava prostor pro novou proteomickou laboratoř Z 17, odborný garant rozvoje metod pro proteomiku; dedikace článků v impaktovaných časopisech).

3.12 Spoluřešitel domácích grantů

1. Isolace, typisace a vývoj imunochemických a instrumentálních metod detekce a charakterisace *Cronobacter* sp. (2010-2013, GA0/GA) 1.1.2010-31.12.2013 (člen týmu) (řešitel prof. Marounek/spoluřešitel doc. Hoche) GAP503/10/0664.
2. GAČR 203/02/0922 (2002-2004) *Studium konformace bílkovin pomocí hmotnostní spektrometrie na principu MALDI-TOF* (člen týmu). (Odpovědný řešitel Prof. M. Kodíček).
3. Biochemické, mikrobiologické a molekulárně genetické studie vytvářející teoretický základy pro moderní biotechnologie MSM 223 300 006 (výzkumný záměr),(člen týmu).

4. Technická a realizační činnost

4.1 Udělené evropské nebo mezinárodní patenty (EPO, WIPO), patenty USA a Japonska

Nejsou uváděny.

4.2 Udělené české nebo jiné národní patenty, které jsou využívány na základě platné licenční smlouvy

Nejsou uváděny.

4.3 Udělené české nebo jiné národní patenty, které jsou využívány jen vlastníkem patentu, nebo nejsou využívány

Nejsou uváděny.

4.4 Autorství realizovaného komplexního technického díla s udaným společenským přínosem

Není uváděno.

4.5 Poloprovozy, ověřené technologie

Nejsou uváděny.

4.6 Užité a průmyslové vzory, prototypy, funkční vzorky, software

Nejsou uváděny.

4.7 *Expertizní činnost*

Není uváděna.

5. Organizační a odborně-společenská činnost s oborem související

5.1 *Členství a funkce v mezinárodních a národních odborných společnostech*

Biotechnologická společnost; viz: <http://bts.vscht.cz/>

Člen rady BTS.

5.2 *Členství v odborných komisích a poradních orgánech*

Člen oborové rady pro obor Biochemie.

5.3 *Členství a funkce v redakčních radách odborných časopisů*

Členství v redakční radě časopisu Bioprospekt (Časopis České biotechnologické společnosti (1999-2004).

5.4 *Členství a funkce v oborových radách grantových agentur*

Není uváděno.

5.5 *Členství a funkce v organizačních výborech konferencí*

Organizač. výbor Biotech 2011 and 5th Czech-Swiss Symposium, Prague June 15 – 17 2011.

5.6 *Členství a funkce v oborových radách grantových agentur*

Není uváděno.

5.7 *Ocenění výzkumné a vývojové práce*

Není uváděno.

6. Zahraniční spolupráce a pobyty v zahraničí

1. 2005-2008: Hostující vědecký pracovník; řešení projektu zaměřeného na *studium integrálních proteinů plasmatické membrány souvisejících s klíčením semen*. Enzyme and Protein Chemistry Group (Prof. Birte Svensson), DTU Biosys, Department of System Biology, Technical University of Denmark (DTU), Lyngby, Denmark.
2. 1997: Postdoktorandský pobyt (Postdoctoral fellowship) zaměřený na "*Peptidové mapování v mikroměřítku s využitím proteolytických mikroreaktorů, mikrokapilární chromatografie a MALDI-TOF^{cs}*"; Indiana University, Bloomington, Indiana, U.S.A. (group of Prof. M. Novotny).
3. 1992: Letní výzkumný program (3 měsíce) na téma: "*Orientovaná imobilizace enzymů*" Baylor University, Waco, Texas, U.S.A. (group of Prof. W. H. Scouten).
4. The University Centre in Svalbard, Longyearbyen, Norway (Prof. Tove Gabrielsen). Zvané přednášky (2015)/plán spolupráce.
5. Dept. of Biochemistry and Molecular Biology, University of Southern Denmark (Prof. Ole Nørregaard Jensen); Společné publikace.

7. Nejvýznamnější tvůrčí aktivity

Považuji za vhodné rozdělit tuto kapitolu do třech okruhů. První z nich (7.1) má převážně organizačně koncepční charakter, druhý (7.2) má charakter spíše vědecký a třetí (7.3) se týká pedagogické činnosti, která je ovšem již pojednána v samostatné kapitole (kap. 2).

7.1 Organizačně koncepční aktivity

7.1.1 Podíl na vzniku a rozvoji proteomického pracoviště na VŠCHT.

K založení pracoviště významnou měrou přispěly jak mé zkušenosti s analýzami proteinů pomocí chromatografických a elektromigračních technik získané během doktorské práce, tak v té době nepříliš rozšířené zkušenosti s analýzou proteinů pomocí hmotnostní spektrometrie získané během postdoktorandského pobytu v roce 1997 na Indiana University, Bloomington, Indiana, USA (viz životopis). K dalšímu rozvoji naší laboratoře pak významným způsobem napomohly znalosti koncepce špičkových proteomických pracovišť, se kterými jsem se seznámil během pobytu v Dánsku (viz životopis) v roli hostujícího vědeckého pracovníka v letech 2005-2008.

Laboratoř aplikované proteomiky dnes dosahuje světové úrovně a věnuje se proteomickým analýzám v celé řadě oblastí (příklady níže). Kromě vlastních výzkumných programů spolupracujeme na řešení proteomických problémů s výzkumnými skupinami v rámci našeho ústavu, celé VŠCHT i externími pracovišti domácími i zahraničními.

7.1.2 Příspěvek k rozvoji „nekonvenční“ proteomiky ve světovém měřítku

Jedná se zejména o vývoj nových metodických přístupů k analýze extrémně hydrofobních membránových proteinů s transmembránovými doménami, který byl zahájen během pobytu v letech 2005-2008. Nutnost hledat takové přístupy vyvstala při řešení projektu zaměřeného na studium integrálních proteinů plasmatické membrány souvisejících s germinací ječmene. Po návratu byla problematika studia silně hydrofobních proteinů přenesena na VŠCHT a dále rozvíjena v naší laboratoři. Další oblastí rozvoje nekonvenční proteomiky je analýza proteinů z nerozpustných materiálů, při které je využíván převratný koncept, který jsme v naší laboratoři vyvinuli v roce 2004. Proteiny nejsou před specifickým enzymovým štěpením izolovány, ale jsou štěpeny přímo v daném materiálu. Uvolněné specifické peptidové fragmenty jsou následně analyzovány pomocí hmotnostní spektrometrie. Ve spolupráci s kolegyní doc. Hrdličkovou Kučkovou je tento přístup rozvíjen a využíván pro analýzu proteinů v celé řadě nerozpustných materiálů (mineralizáty srdečních chlopní, kostní a zubní tkáň, barevné vrstvy historických obrazů, historické malty etc).

Nově byl zahájen výzkum možností aplikace proteomiky pro studium zooplanktonu a v plánu je též rozvoj environmentální proteomiky s aplikací zejména v polárních oblastech.

7.2 Konkrétní příklady využití proteomických přístupů

7.2.1 Charakterizace membránových proteinů souvisejících s germinací ječmene

Nekonvenční analytické přístupy byly úspěšně využity pro vůbec první proteomickou analýzu transmembránových proteinů souvisejících s klíčením semen. Buňky aleuronové vrstvy hrají významnou roli v procesu klíčení semen, protože syntetizují a vylučují enzymy hydrolyzující energetické rezervy endospermu. Aleuronová vrstva semen ječmene představuje ideální modelový systém pro studium přenosu signálu v rostlinách, protože se dá relativně snadno separovat od jiných pletiv (má tři vrstvy buněk na rozdíl od aleuronových vrstev řady jiných semen, které mají pouze jednu) a vykazuje dobře definované odpovědi na rostlinné hormony. Dřívější proteomické studie zrání a klíčení semen ječmene byly zaměřeny pouze na rozpustné (nemembránové) proteiny.

Publikovaná průlomová studie:

Hynek R., Svensson B., Jensen O.N., Barkholt V., Finnie C.: Enrichment and identification of integral membrane proteins from barley aleurone layers by reversed-phase chromatography, SDS-PAGE and LC-MS/MS. *Journal of Proteome Research* 5, 3105-3113 (2006).

Na výše zmíněnou studii pak navázala studie membránových proteinů embryí germinujícího ječmene ve které byla využita zdokonalená metodika.

Hynek R., Svensson B., Jensen O.N., Barkholt V., Finnie C.: The plasma membrane proteome of germinating barley embryos. *Proteomics* 9, 3787-3794 (2009).

7.2.2 Proteomika stresů rostlin

Tato problematika je v naší laboratoři rozvíjena ve spolupráci s Výzkumným ústavem rostlinné výroby. Cílem jejího řešení je přispět k objasnění mechanismu odpovědi rostlin na vybrané stresy (např. chladem či salinitou) a zejména k tomu, jakou roli v tom hrají jednotlivé proteiny. Příklady publikovaných studií:

Hlaváčková I., Vítámvás P., Šantrůček J., Kosová K., Zelenková S., Prášil I.T., Ovesná J., **Hynek R.**, Kodíček M.: Proteins Involved in Distinct Phases of Cold Hardening Process in Frost Resistant Winter Barley (*Hordeum Vulgare L.*) cv Luxor. *International Journal of Molecular Sciences* 14, 8000-8024 (2013).

Maršálová L., Vítámvás P., **Hynek R.**, Prášil I. T., Kosová K.: Proteomic response of *Hordeum vulgare* cv. Tadmor and *Hordeum marinum* to salinity stress: Similarities and differences between a glycophyte and a halophyte. *Frontiers in Plant Science* 7, article number 1154 (2016).

7.2.3 Analýza proteinů v nerozpustných materiálech

Jedná se o daleko širší oblast než by se na první pohled mohlo zdát. Proteiny se totiž v „zajetí něčeho“, z čeho je nelze (nebo lze jen velmi obtížně) izolovat, nacházejí až nepříjemně často. Může se jednat o tak různorodé materiály jako jsou barevné vrstvy historických obrazů či malt, kostní nebo zubní tkáň, mineralizáty srdečních chlopní či porézní kameny vyskytující se třeba na březích řek. V roce 2004 jsme v naší laboratoři vyvinuly převratný přístup (již výše zmíněný), při kterém jsou proteiny z barevných vrstev historických obrazů štěpeny přímo v daném materiálu. Uvolněné specifické peptidové fragmenty jsou následně analyzovány pomocí hmotnostní spektrometrie. Identifikace proteinů v historických dílech může vést například k odhalení padělků nebo ke zvolení vhodné restaurátorské techniky. Tento postup jsme poprvé publikovali v roce 2004:

Hynek R., Kuckova S., Hradilova J. and Kodicek M.: Matrix-assisted laser desorption/ionization time of flight mass spectrometry as a tool for fast identification of protein binders in color layers of paintings. *Rapid Communications in Mass Spectrometry* 18, 1896-1900 (2004).

Publikace vzbudila značný ohlas a ještě téhož roku vyšel její „highlight“:

“Is that really a van Gogh?” *Analytical Chemistry* 76, 343 A (2004)

Od té doby je výše zmíněný přístup naší laboratoři rozvíjen a aplikován do nových oblastí. Příkladem jeho úspěšné aplikace může být identifikace proteinů v mineralizátech srdečních chlopní:

Coufalova, L., Kuckova, S., Velcovska, M., Zeman, A., Smid, M., Havelcova, M., **Hynek, R.**: Innovative technique for the direct determination of proteins in calcified aortic valves. *Anal. Bioanal. Chem.* 405: 8781-8787, 2013.

7.3 Pedagogická aktivita

Pedagogická činnost je již pojednána v samostatné kapitole (kap. 2).

8. Příloha

Vědecké práce evidované v databázi Web of Science s kompletním výpisem citací též podle WOS

H index: 14, Citací bez autocitací: **381**, Citací celkem: **442**

1. Maršálová L., Vítámvás P., **Hynek R.**, Prášil I. T., Kosová K.: Proteomic response of *Hordeum vulgare* cv. Tadmor and *Hordeum marinum* to salinity stress: Similarities and differences between a glycophyte and a halophyte. *Frontiers in Plant Science* 7, article number 1154 (2016). IF 4,495.
2. Pavelka J., Smejda L., **Hynek R.**, Kučková S.: Immunological detection of denatured proteins as a method for rapid identification of food residues on archaeological pottery *Journal of Archaeological Science* 73, 25-35 (2016). IF 2,255
3. Junková P., Prchal J., Spiwok V., Pleskot R., Kadlec L. Krásný L., **Hynek R.**, Hrabal R. and Ruml T.: Molecular aspects of the interaction between Mason-Pfizer monkey virus matrix protein and artificial phospholipid membrane. *PROTEINS: Structure, Function, and Bioinformatics*. (Přijato: Srpen 2016) IF 2,499
4. Kuckova S., Santrucek J., Adamec M., **Hynek R.**, Zeman A. Chemical analysis of Gothic mortar from a bridge pier in Roudnice nad Labem (Czech Republic) *Journal of Liquid Chromatography & Related Technologies* (Přijato září 2016). IF 0,606
5. Krasny L., Pompach P., Strnadova M., **Hynek R.**, Valis K., Havlicek V., Novak P., Volny M.: High-throughput workflow for identification of phosphorylated peptides by LC-MALDI-TOF/TOF-MS coupled to in situ enrichment on MALDI plates functionalized by ion landing. *J.Mass Spectrom.* 50, 802-811 (2015). IF 2,541; SCI 2:

Record 1 of 2

Title: Protein Chips Compatible with MALDI Mass Spectrometry Prepared by Ambient Ion Landing

Author(s): Pompach, P (Pompach, Petr); Benada, O (Benada, Oldrich); Rosulek, M (Rosulek, Michal); Darebna, P (Darebna, Petra); Hausner, J (Hausner, Jiri); Ruzicka, V (Ruzicka, Viktor); Volny, M (Volny, Michael); Novak, P (Novak, Petr)

Source: ANALYTICAL CHEMISTRY **Volume:** 88 **Issue:** 17 **Pages:** 8526-8534 **DOI:** 10.1021/acs.analchem.6b01366 **Published:** SEP 6 2016

Accession Number: WOS:000382805900028

Record 2 of 2

Title: Planar Functionalized Surfaces for Direct Immunoaffinity Desorption/Ionization Mass Spectrometry

Author(s): Pompach, P (Pompach, Petr); Novakova, J (Novakova, Jana); Kavan, D (Kavan, Daniel); Benada, O (Benada, Oldrich); Ruzicka, V (Ruzicka, Viktor); Volny, M (Volny, Michael); Novak, P (Novak, Petr)

Source: CLINICAL CHEMISTRY **Volume:** 62 **Issue:** 1 **Pages:** 270-278 **DOI:** 10.1373/clinchem.2015.244004 **Published:** JAN 2016

Accession Number: WOS:000367703400036

6. Kuckova Hrdlickova S., Rambouskova G., **Hynek R.**, Cejnar P., Oltrogge D., Fuchs R.: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification. *Journal of Mass Spectrometry* 50: 1270-1278 (2015). IF 2,541
7. Hrdličková Kučková Š., Sandu I. C. A., Křížková Crhová M., Coufalová L., Křížová I., **Hynek R.**, Muralha S. V., Shafer S., Fogaš I.: Materiálový průzkum zlacení na středověkém polychromovaném relief. *Chemicke Listy* 109: 864-869 (2015). IF 0.272
8. Krásný L., Rohlová E., Růžičková H., Šantrůček J., **Hynek R.**, Hochel I.: Differentiation of *Cronobacter* spp. by tryptic digestion of the cell suspension followed by MALDI-TOF MS analysis. *J. Microbiol. Methods.* 98, 105-113 (2014). IF 2.096, SCI 2:

Record 1 of 2

Title: Separation and identification of candidate protein elicitors from the cultivation medium of *Leptosphaeria maculans* inducing resistance in *Brassica napus*

Author(s): Novakova, M (Novakova, Miroslava); Kim, PD (Kim, Phuong Dinh); Sasek, V (Sasek, Vladimir); Burketova, L (Burketova, Lenka); Jindrichova, B (Jindrichova, Barbora); Santrucek, J (Santrucek, Jiri); Valentova, O (Valentova, Olga)

Source: BIOTECHNOLOGY PROGRESS **Volume:** 32 **Issue:** 4 **Pages:** 918-928 **DOI:** 10.1002/btpr.2266 **Published:** JUL-AUG 2016

Accession Number: WOS:000383396800011

PubMed ID: 27009514

ISSN: 8756-7938

eISSN: 1520-6033

Record 2 of 2

Title: Rapid detection of *Cronobacter sakazakii* by real-time PCR based on the *cgcA* gene and TaqMan probe with internal amplification control

Author(s): Hu, SF (Hu, Shuangfang); Yu, YG (Yu, Yigang); Li, R (Li, Rong); Wu, XW (Wu, Xinwei); Xiao, XL (Xiao, Xinglong); Wu, H (Wu, Hui)

Source: CANADIAN JOURNAL OF MICROBIOLOGY **Volume:** 62 **Issue:** 3 **Pages:** 191-200 **DOI:** 10.1139/cjm-2015-0602 **Published:** MAR 2016

Accession Number: WOS:000375626500001

9. Hrdlickova Kuckova, S., Crhova Krizkova, M., Cortes Pereira, C.L., **Hynek R.**, Lavrova, O., Busani, T., Cobra Branco, L., Sandu I.C.A.: Assessment of green cleaning effectiveness on polychrome surfaces by MALDI-TOF mass spectrometry and microscopic imaging. *Microscopy Research and Technique* 77: 574-585 (2014). IF 1,154; SCI 14:

Record 1 of 14

Title: ASSESSING THE VALUE OF GREEN CONSERVATION FOR CULTURAL HERITAGE: POSITIVE AND CRITICAL ASPECTS OF ALREADY AVAILABLE METHODOLOGIES

Author(s): Balliana, E (Balliana, Eleonora); Ricci, G (Ricci, Giulia); Pesce, C (Pesce, Cecilia); Zendri, E (Zendri, Elisabetta)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 185-202 **Published:** APR 2016

Accession Number: WOS:000375789400001

ISSN: 2067-533X

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Record 2 of 14

Title: BIOTECHNOLOGY APPLIED TO HISTORIC STONWORKS CONSERVATION: TESTING THE

POTENTIAL HARMFULNESS OF TWO BIOLOGICAL BIOCIDES

Author(s): Marin, E (Marin, Emanuela); Vaccaro, C (Vaccaro, Carmela); Leis, M (Leis, Marilena)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 227-238 **Published:** APR 2016

Accession Number: WOS:000375789400005

ISSN: 2067-533X

eISSN: 2067-8223

Record 3 of 14

Title: COLD-ACTIVE MOLECULES FOR A SUSTAINABLE PRESERVATION AND RESTORATION OF HISTORIC-ARTISTIC MANUFACTS

Author(s): Palla, F (Palla, Franco); Barresi, G (Barresi, Giovanna); Giordano, A (Giordano, Ambra); Schiavone, S (Schiavone, Salvatore); Trapani, MR (Trapani, Maria Rosa); Rotolo, V (Rotolo, Valentina); Parisi, MG (Parisi, Maria Giovanna); Cammarata, M (Cammarata, Matteo)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 239-246 **Published:** APR 2016

Accession Number: WOS:000375789400006

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eISSN: 2067-8223

Record 4 of 14

Title: A NEW SUSTAINABLE AND INNOVATIVE WORK FOR PAPER ARTWORKS CLEANING PROCESS: GELLAN HYDROGEL COMBINED WITH HYDROLYTIC ENZYMES

Author(s): Petrella, G (Petrella, Greta); Mazzuca, C (Mazzuca, Claudia); Micheli, L (Micheli, Laura); Cervelli, E (Cervelli, Eleonora); De Fazio, D (De Fazio, Deborah); Iannuccelli, S (Iannuccelli, Simonetta); Sotgiu, S (Sotgiu, Silvia); Palleschi, G (Palleschi, Giuseppe); Palleschi, A (Palleschi, Antonio)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 273-280 **Published:** APR 2016

Accession Number: WOS:000375789400010

ISSN: 2067-533X

eISSN: 2067-8223

Record 5 of 14

Title: THE THERMO LIGNUM ECOLOGICAL INSECT PEST ERADICATION PROCESS: THE EFFECTS ON GILDED AND PAINTED WOODEN OBJECTS

Author(s): Tscherne, F (Tscherne, Florian); Wilke, N (Wilke, Nikolaus); Schachenhofer, B (Schachenhofer, Bernhard); Roux, K (Roux, Karen); Tavlaridis, G (Tavlaridis, Giorgios)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 295-300 **Published:** APR 2016

Accession Number: WOS:000375789400012

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eISSN: 2067-8223

Record 6 of 14

Title: DISADVANTAGES OF USING SOME POLYMERS IN RESTORATION OF OLD ICONS ON WOODEN PANELS

Author(s): Munteanu, M (Munteanu, Marius); Sandu, I (Sandu, Ion); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Sandu, Irina Crina Anca)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 7 **Special Issue:** 1 **Pages:** 349-+ **Published:** APR 2016

Accession Number: WOS:000375789400017

ISSN: 2067-533X

eISSN: 2067-8223

Record 7 of 14

Title: Testing the cleaning effectiveness of new ecological aqueous dispersions applied on old icons

Author(s): Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina); Pruteanu, S (Pruteanu, Silvea); Caldeira, AT (Caldeira, Ana Teresa); Simionescu, AE (Simionescu, Atena Elena); Sandu, I (Sandu, Ion)

Source: APPLIED SURFACE SCIENCE **Volume:** 367 **Pages:** 70-79 **DOI:** 10.1016/j.apsusc.2016.01.128 **Published:** MAR 30 2016

Accession Number: WOS:000372519300010

ISSN: 0169-4332

eISSN: 1873-5584

Record 8 of 14

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 9 of 14

Title: Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration

Author(s): Bratu, I (Bratu, Ioan); Marutoiu, C (Marutoiu, Constantin); Moldovan, Z (Moldovan, Zaharie); Marutoiu, VC (Marutoiu, Victor Constantin); Trosan, L (Trosan, Laura); Pop, DT (Pop, Daniela Toader); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 10 **Pages:** 1628-1631 **Published:** OCT 2015

Accession Number: WOS:000368436300018

ISSN: 0034-7752

Record 10 of 14

Title: NEW RESEARCH ON MATERIALS USED IN THE PAINTING OF ICONS ON GLASS IN TRANSYLVANIA IN THE XIX CENTURY

Author(s): Munteanu, A (Munteanu, Anisoara); Simionescu, AE (Simionescu, Atena Elena); Urma, M (Urma, Maria)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 557-570 **Published:** SEP 2015

Accession Number: WOS:000364504100011

ISSN: 2067-533X

eISSN: 2067-8223

Record 11 of 14

Title: Study on the Consolidation of Degraded Pictural Layer with Acrylic Binder

Author(s): Hutanu, I (Hutanu, Ioana); Sandu, I (Sandu, Ion); Vasilache, V (Vasilache, Viorica); Nica, L (Nica, Liliana); Sandu, ICA (Sandu, Irina Crina Anca)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 6 **Pages:** 895-900 **Published:** JUN 2015

Accession Number: WOS:000357403600030

ISSN: 0034-7752

Record 12 of 14

Title: Study of Modifying the Level of Oxygen Inside the Cryptoclimat for Stopping the Xylophagous Attack on Old Icon Panel

Author(s): Munteanu, M (Munteanu, Marius); Sandu, I (Sandu, Ion); Vasilache, V (Vasilache, Viorica); Budu, AM (Budu, Ana-Maria); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 2 **Pages:** 187-190 **Published:** FEB 2015

Accession Number: WOS:000351659300008

ISSN: 0034-7752

Record 13 of 14

Title: Ecological Systems Applied for Cleaning Gilding in Old Icons

Author(s): Pruteanu, S (Pruteanu, Silvea); Sandu, I (Sandu, Ion); Timar, MC (Timar, Maria Cristina); Munteanu, M (Munteanu, Marius); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 12 **Pages:** 1467-1472 **Published:** DEC 2014

Accession Number: WOS:000345946400014

ISSN: 0034-7752

Record 14 of 14

Title: Assessment of Cleaning Effectiveness for New Ecological Systems on Ancient Tempera Icon by Complementary Microscopy Techniques

Author(s): Pruteanu, S (Pruteanu, Silvea); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina); Budu, AM (Budu, Ana-Maria); Sandu, I (Sandu, Ion)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 12 **Pages:** 1060-1070 **DOI:** 10.1002/jemt.22437 **Published:** DEC 2014

Accession Number: WOS:000345571900015

PubMed ID: 25234164

ISSN: 1059-910X

eISSN: 1097-0029

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Record 1 of 4

Title: An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid MALDI-TOF mass spectra profile

Author(s): Herrera, A (Herrera, A.); Navas, N (Navas, N.); Cardell, C (Cardell, C.)

Source: TALANTA **Volume:** 155 **Pages:** 53-61 **DOI:** 10.1016/j.talanta.2016.04.006 **Published:** AUG 1 2016

Accession Number: WOS:000377840200008

PubMed ID: 27216656

ISSN: 0039-9140

eISSN: 1873-3573

Record 2 of 4

Title: TECHNOLOGY OF MEDIEVAL MORTARS: AN INVESTIGATION INTO THE USE OF ORGANIC ADDITIVES

Author(s): Rampazzi, L (Rampazzi, L.); Colombini, MP (Colombini, M. P.); Conti, C (Conti, C.); Corti, C (Corti, C.); Lluveras-Tenorio, A (Lluveras-Tenorio, A.); Sansonetti, A (Sansonetti, A.); Zanaboni, M (Zanaboni, M.)

Source: ARCHAEOOMETRY **Volume:** 58 **Issue:** 1 **Pages:** 115-130 **DOI:** 10.1111/arc.12155 **Published:** FEB 2016

Accession Number: WOS:000372924900007

Record 3 of 4

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 4 of 4

Title: Electrospray ionization linear trap quadrupole Orbitrap in analysis of old tempera paintings: application to nineteenth-century Orthodox icons

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 4 **Pages:** 679-692 **DOI:** 10.1255/ejms.1346 **Published:** 2015

Accession Number: WOS:000361852100005

11. Krizova, I., Styblova, M., Coufalova, L., **Hynek, R.**, Kuckova, S.: Analýza organických barviv a pigmentů používaných v uměleckých dílech pomocí laserové desorpční hmotnostní spektrometrie. *Chem. Listy* 108 (6): 604-609 2014. IF 0.272
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Record 1 of 8

Title: Proteomic Response of *Hordeum vulgare* cv. Tadmor and *Hordeum marinum* to Salinity Stress: Similarities and Differences between a Glycophyte and a Halophyte

Author(s): Marsalova, L (Marsalova, Lucie); Vitamvas, P (Vitamvas, Pavel); Hynek, R (Hynek, Radovan); Prasil, IT (Prasil, Ilja T.); Kosova, K (Kosova, Klara)

Source: Frontiers in Plant Science **Volume:** 7 **Article Number:** 1154 **DOI:** 10.3389/fpls.2016.01154 **Published:** AUG 3 2016

Accession Number: WOS:000380889600001

PubMed ID: 27536311

ISSN: 1664-462X

Record 2 of 8

Title: Cloning of TaSST genes associated with water soluble carbohydrate content in bread wheat stems and development of a functional marker

Author(s): Dong, Y (Dong, Yan); Zhang, Y (Zhang, Yan); Xiao, YG (Xiao, Yonggui); Yan, J (Yan, Jun); Liu, JD (Liu, Jindong); Wen, WE (Wen, Weie); Zhang, Y (Zhang, Yong); Jing, RL (Jing, Ruilian); Xia, XX (Xia, Xianchun); He, ZH (He, Zhonghu)

Source: THEORETICAL AND APPLIED GENETICS **Volume:** 129 **Issue:** 5 **Pages:** 1061-1070 **DOI:** 10.1007/s00122-016-2683-5 **Published:** MAY 2016

Accession Number: WOS:000374478600015

PubMed ID: 26883047

ISSN: 0040-5752

eISSN: 1432-2242

Record 3 of 8

Title: Physiological and Molecular Alterations Promoted by Schizotetranychus oryzae Mite Infestation in Rice Leaves

Author(s): Buffon, G (Buffon, Giseli); Blasi, EAR (Blasi, Edina A. R.); Adamski, JM (Adamski, Janete M.); Ferla, NJ (Ferla, Noeli J.); Berger, M (Berger, Markus); Santi, L (Santi, Lucelia); Lavalley-Adam, M (Lavalley-Adam, Mathieu); Yates, JR (Yates, John R., III); Beys-da-Silva, WO (Beys-da-Silva, Walter O.); Sperotto, RA (Sperotto, Raul A.)

Source: JOURNAL OF PROTEOME RESEARCH **Volume:** 15 **Issue:** 2 **Pages:** 431-446 **DOI:**

10.1021/acs.jproteome.5b00729 **Published:** FEB 2016

Accession Number: WOS:000369771700008

PubMed ID: 26667653

ISSN: 1535-3893

eISSN: 1535-3907

Record 4 of 8

Title: Biological Networks Underlying Abiotic Stress Tolerance in Temperate Crops-A Proteomic Perspective

Author(s): Kosova, K (Kosova, Klara); Vitamvas, P (Vitamvas, Pavel); Urban, MO (Urban, Milan Oldrich); Klima, M (Klima, Miroslav); Roy, A (Roy, Amitava); Prasil, IT (Prasil, Ilja Tom)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 16 **Issue:** 9 **Pages:** 20913-

20942 **DOI:** 10.3390/ijms160920913 **Published:** SEP 2015

Accession Number: WOS:000364541000045

PubMed ID: 26340626

ISSN: 1422-0067

Record 5 of 8

Title: Low temperature tolerance in plants: Changes at the protein level

Author(s): Janmohammadi, M (Janmohammadi, Mohsen); Zolla, L (Zolla, Lello); Rinalducci, S (Rinalducci, Sara)

Source: PHYTOCHEMISTRY **Volume:** 117 **Pages:** 76-89 **DOI:** 10.1016/j.phytochem.2015.06.003 **Published:** SEP 2015

Accession Number: WOS:000361253300009

PubMed ID: 26068669

Author Identifiers:

Author	ResearcherID Number	ORCID Number
xu, jianxiang	I-9347-2016	
RINALDUCCI, Sara		0000-0002-2703-6105

ISSN: 0031-9422

Record 6 of 8

Title: Quantitative analysis of proteome extracted from barley crowns grown under different drought conditions

Author(s): Vitamvas, P (Vitamvas, Pavel); Urban, MO (Urban, Milan O.); Skodacek, Z (Skodacek, Zbynek); Kosova, K (Kosova, Klara); Pitelkova, I (Pitelkova, Iva); Vitamvas, J (Vitamvas, Jan); Renaut, J (Renaut, Jenny); Prasil, IT (Prasil, Ilja T.)

Source: FRONTIERS IN PLANT SCIENCE **Volume:** 6 **Article Number:** 479 **DOI:**

10.3389/fpls.2015.00479 **Published:** JUN 30 2015

Accession Number: WOS:000358419400002

PubMed ID: 26175745

ISSN: 1664-462X

Record 7 of 8

Title: Proteomics of stress responses in wheat and barley-search for potential protein markers of stress tolerance

Author(s): Kosova, K (Kosova, Klara); Vitamvas, P (Vitamvas, Pavel); Prasil, IT (Prasil, Ilja T.)

Source: FRONTIERS IN PLANT SCIENCE **Volume:** 5 **Article Number:** 711 **DOI:**

10.3389/fpls.2014.00711 **Published:** DEC 11 2014

Accession Number: WOS:000347774500002

PubMed ID: 25566285

ISSN: 1664-462X

Record 8 of 8

Title: Proteome Analysis of Cold Response in Spring and Winter Wheat (*Triticum aestivum*) Crowns Reveals Similarities in Stress Adaptation and Differences in Regulatory Processes between the Growth Habits

Author(s): Kosova, K (Kosova, Klara); Vitamvas, P (Vitamvas, Pavel); Planchon, S (Planchon, Sebastien); Renaut, J (Renaut, Jenny); Vankova, R (Vankova, Radomira); Prasil, IT (Prasil, Ilja Tom)

Source: JOURNAL OF PROTEOME RESEARCH **Volume:** 12 **Issue:** 11 **Pages:** 4830-4845 **DOI:** 10.1021/pr400600g **Published:** NOV 2013

Accession Number: WOS:000326615000015

PubMed ID: 24047233

13. Coufalova, L., Kuckova, S., Velcovska, M., Zeman, A., Smid, M., Havelcova, M., **Hynek, R.:** Innovative technique for the direct determination of proteins in calcified aortic valves. *Anal. Bioanal. Chem.* 405: 8781-8787, 2013. IF 3,436

14. Zeman, A., Smid, M., Havelcova, M., Coufalova, L., Kuckova, S., Velcovska, M., **Hynek, R.:** The structure and material composition ossified aortic valves identified using a set of scientific methods. *J. Asian Earth Sci.* 77, 311-317, 2013. IF 2,647, SCI 1.

Record 1 of 1

Title: Innovative technique for the direct determination of proteins in calcified aortic valves **Author(s):** Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Hynek, R (Hynek, Radovan) **Source:** ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 405 **Issue:** 27 **Pages:** 8781-8787 **DOI:** 10.1007/s00216-013-7306-2 **Published:** NOV 2013 **Accession Number:** WOS:000325823600013

15. Krásný L., **Hynek R.**, Hochel I.: Identification of bacteria using mass spectrometry techniques. *Int. J. Mass. Spectrom.* 353, 67-79 (2013). IF 1,972, SCI 14:

Record 1 of 14

Title: Applications of MALDI-TOF MS in environmental microbiology

Author(s): Santos, IC (Santos, Ines C.); Hildenbrand, ZL (Hildenbrand, Zacariah L.); Schug, KA (Schug, Kevin A.)

Source: ANALYST **Volume:** 141 **Issue:** 10 **Pages:** 2827-2837 **DOI:** 10.1039/c6an00131a **Published:** 2016

Accession Number: WOS:000376136100002

PubMed ID: 27072574

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Santos, Ines	J-4829-2013	0000-0002-4609-7085

ISSN: 0003-2654

eISSN: 1364-5528

Record 2 of 14

Title: Study of Rapid Species Identification of Bacteria in Water

Author(s): Wang, JY (Wang Jiu-yue); Zhao, NJ (Zhao Nan-jing); Duan, JB (Duan Jing-bo); Fang, L (Fang Li); Meng, DS (Meng De-shuo); Yang, RF (Yang Rui-fang); Xiao, X (Xiao Xue); Liu, JG (Liu Jian-guo); Liu, WQ (Liu Wen-qing)

Source: SPECTROSCOPY AND SPECTRAL ANALYSIS **Volume:** 35 **Issue:** 9 **Pages:** 2634-2638 **DOI:** 10.3964/j.issn.1000-0593(2015)09-2634-05 **Published:** SEP 2015

Accession Number: WOS:000361268300048

ISSN: 1000-0593

Record 3 of 14

Title: Pitfalls in the analysis of volatile breath biomarkers: suggested solutions and SIFT-MS quantification of single metabolites

Author(s): Smith, D (Smith, David); Spanel, P (Spanel, Patrik)

Source: JOURNAL OF BREATH RESEARCH **Volume:** 9 **Issue:** 2 **Article Number:** 022001 **DOI:** 10.1088/1752-7155/9/2/022001 **Published:** JUN 2015

Accession Number: WOS:000355656200002

PubMed ID: 25830501

Author Identifiers:

Author	ResearchID Number	ORCID Number
Spanel, Patrik	B-6574-2008	0000-0002-9868-8282
Smith, David	A-3622-2010	

ISSN: 1752-7155

eISSN: 1752-7163

Record 4 of 14

Title: Mass spectrometry tools and workflows for revealing microbial chemistry

Author(s): Luzzatto-Knaan, T (Luzzatto-Knaan, Tal); Melnik, AV (Melnik, Alexey V.); Dorrestein, PC (Dorrestein, Pieter C.)

Source: ANALYST **Volume:** 140 **Issue:** 15 **Pages:** 4949-4966 **DOI:** 10.1039/c5an00171d **Published:** 2015

Accession Number: WOS:000357810800003

PubMed ID: 25996313

ISSN: 0003-2654

eISSN: 1364-5528

Record 5 of 14

Title: Synthesis of a highly dispersive sinapinic acid@graphene oxide (SA@GO) and its applications as a novel surface assisted laser desorption/ionization mass spectrometry for proteomics and pathogenic bacteria biosensing

Author(s): Abdelhamid, HN (Abdelhamid, Hani Nasser); Wu, HF (Wu, Hui-Fen)

Source: ANALYST **Volume:** 140 **Issue:** 5 **Pages:** 1555-1565 **DOI:** 10.1039/c4an02158d **Published:** 2015

Accession Number: WOS:000349837200024

PubMed ID: 25587827

ISSN: 0003-2654

eISSN: 1364-5528

Record 6 of 14

Title: Rapid recognition of bacteremia in humans using atmospheric pressure chemical ionization mass spectrometry of volatiles emitted by blood cultures

Author(s): Chingin, K (Chingin, Konstantin); Liang, JC (Liang, Juchao); Hang, YP (Hang, Yaping); Hu, LH (Hu, Longhua); Chen, HW (Chen, Huanwen)

Source: RSC ADVANCES **Volume:** 5 **Issue:** 18 **Pages:** 13952-13957 **DOI:** 10.1039/c4ra16502k **Published:** 2015

Accession Number: WOS:000349434300086

ISSN: 2046-2069

Record 7 of 14

Title: Planning Considerations Related to the Organic Contamination of Martian Samples and Implications for the Mars 2020 Rover

Author(s): Summons, RE (Summons, R. E.); Sessions, AL (Sessions, A. L.); Allwood, AC (Allwood, A. C.); Barton, HA (Barton, H. A.); Beaty, DW (Beaty, D. W.); Blakkolb, B (Blakkolb, B.); Canham, J (Canham, J.); Clark, BC (Clark, B. C.); Dworkin, JP (Dworkin, J. P.); Lin, Y (Lin, Y.); Mathies, R (Mathies, R.); Milkovich, SM (Milkovich, S. M.); Steele, A (Steele, A.)

Group Author(s): 2014 Organic Contamination Panel

Source: ASTROBIOLOGY **Volume:** 14 **Issue:** 12 **Pages:** 969-1027 **DOI:** 10.1089/ast.2014.1244 **Published:** DEC 1 2014

Accession Number: WOS:000346335100001

PubMed ID: 25495496

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Ahirwal, Ashish B	8886-2015	0000-0002-8247-9793
Dworkin, Jason	C-9417-2012	0000-0002-3961-8997
Sessions, Alex	C-2752-2008	0000-0001-6120-2763

ISSN: 1531-1074

eISSN: 1557-8070

Record 8 of 14

Title: Source-Identifying Biomarker Ions between Environmental and Clinical Burkholderia pseudomallei Using Whole-Cell Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF MS)

Author(s): Niyompanich, S (Niyompanich, Suthamat); Jaresitthikunchai, J (Jaresitthikunchai, Janthima); Srisanga, K (Srisanga, Kitima); Roytrakul, S (Roytrakul, Sittiruk); Tungpradabkul, S (Tungpradabkul, Sumalee)

Source: PLOS ONE **Volume:** 9 **Issue:** 6 **Article Number:** e99160 **DOI:** 10.1371/journal.pone.0099160 **Published:** JUN 10 2014

Accession Number: WOS:000340947700068

PubMed ID: 24914956

ISSN: 1932-6203

Record 9 of 14

Title: Recent Advances in Bacteria Identification by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Using Nanomaterials as Affinity Probes

Author(s): Chiu, TC (Chiu, Tai-Chia)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 15 **Issue:** 5 **Pages:** 7266-7280 **DOI:** 10.3390/ijms15057266 **Published:** MAY 2014

Accession Number: WOS:000336841800011

PubMed ID: 24786089

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Chiu, Tai-Chia	I-3827-2013	0000-0002-6297-7883

ISSN: 1422-0067

Record 10 of 14

Title: Lipid profiling of mammalian cells with in situ matrix-assisted laser desorption ionization-mass spectrometry

Author(s): Zhang, YD (Zhang YanDong); Li, HF (Li HaiFang); Ma, Y (Ma Yuan); Lin, JM (Lin JinMing)

Source: SCIENCE CHINA-CHEMISTRY **Volume:** 57 **Issue:** 3 **Pages:** 442-446 **DOI:** 10.1007/s11426-013-4960-3 **Published:** MAR 2014

Accession Number: WOS:000331980000014

ISSN: 1674-7291

eISSN: 1869-1870

Record 11 of 14

Title: Rapid and direct MALDI-MS identification of pathogenic bacteria from blood using ionic liquid-modified magnetic nanoparticles (Fe₃O₄@SiO₂)

Author(s): Bhaisare, ML (Bhaisare, Mukesh L.); Abdelhamid, HN (Abdelhamid, Hani Nasser); Wu, BS (Wu, Bo-Sgum); Wu, HF (Wu, Hui-Fen)

Source: JOURNAL OF MATERIALS CHEMISTRY B **Volume:** 2 **Issue:** 29 **Pages:** 4671-4683 **DOI:** 10.1039/c4tb00528g **Published:** 2014

Accession Number: WOS:000339004600009

ISSN: 2050-750X

eISSN: 2050-7518

Record 12 of 14

Title: Rapid differentiation of microbial cultures based on the analysis of headspace volatiles by atmospheric pressure chemical ionization mass spectrometry

Author(s): Liang, JC (Liang, Juchao); Hang, YP (Hang, Yaping); Chingin, K (Chingin, Konstantin); Hu, LH (Hu, Longhua); Chen, HW (Chen, Huanwen)

Source: RSC ADVANCES **Volume:** 4 **Issue:** 48 **Pages:** 25326-25329 **DOI:** 10.1039/c4ra03407d **Published:** 2014

Accession Number: WOS:000338044500049

ISSN: 2046-2069

Record 13 of 14

Title: Quantification by SIFT-MS of volatile compounds emitted by in vitro cultures of *S. aureus*, *S. pneumoniae* and *H. influenzae* isolated from patients with respiratory diseases

Author(s): Chippendale, TWE (Chippendale, Thomas W. E.); Gilchrist, FJ (Gilchrist, Francis J.); Spanel, P (Spanel, Patrik); Alcock, A (Alcock, Alice); Lenney, W (Lenney, Warren); Smith, D (Smith, David)

Source: ANALYTICAL METHODS **Volume:** 6 **Issue:** 8 **Pages:** 2460-2472 **DOI:** 10.1039/c4ay00209a **Published:** 2014

Accession Number: WOS:000333524200006

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Gilchrist, Francis	F-4198-2014	0000-0002-1947-7621
Smith, David	A-3622-2010	
Spanel, Patrik	B-6574-2008	0000-0002-9868-8282

ISSN: 1759-9660

eISSN: 1759-9679

Record 14 of 14

Title: Direct analysis of in vitro grown microorganisms and mammalian cells by ambient mass spectrometry

Author(s): Chingin, K (Chingin, Konstantin); Liang, JC (Liang, Juchao); Chen, HW (Chen, Huanwen)

Source: RSC ADVANCES **Volume:** 4 **Issue:** 11 **Pages:** 5768-5781 **DOI:** 10.1039/c3ra46327c **Published:** 2014

Accession Number: WOS:000329579900063

ISSN: 2046-2069

16. Kuckova, S., Sandu, I.C.A., Crhova, M., Hynek, R., Fogas, I., Muralha, V.S.F., Sandu, A.V.: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques. *Microchem. J.* 110: 538-544, 2013. IF 2,746; SCI 13:

Record 1 of 13

Title: A new approach to the determination of the synthetic or natural origin of red pigments through spectroscopic analysis

Author(s): Franquelo, ML (Luisa Franquelo, Maria); Perez-Rodriguez, JL (Luis Perez-Rodriguez, Jose)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 166 **Pages:** 103-111 **DOI:** 10.1016/j.saa.2016.04.054 **Published:** SEP 5 2016

Accession Number: WOS:000378671600017

PubMed ID: 27219074

ISSN: 1386-1425

Record 2 of 13

Title: Raman spectroscopy of minerals and mineral pigments in archaeometry

Author(s): Bersani, D (Bersani, D.); Lottici, PP (Lottici, P. P.)

Source: JOURNAL OF RAMAN SPECTROSCOPY **Volume:** 47 **Issue:** 5 **Pages:** 499-530 **DOI:** 10.1002/jrs.4914 **Published:** MAY 2016

Accession Number: WOS:000380370400001

ISSN: 0377-0486

eISSN: 1097-4555

Record 3 of 13

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 4 of 13

Title: A multidisciplinary approach to the study of the brightening effects of white chalk ground layers in 15th and 16th century paintings

Author(s): Antunes, V (Antunes, Vanessa); Candeias, A (Candeias, Antonio); Coroado, J (Coroado, Joao); Serrao, V (Serrao, Vitor); Cachao, M (Cachao, Mario); Carvalho, ML (Carvalho, Maria L.)

Source: ANALYTICAL METHODS **Volume:** 8 **Issue:** 24 **Pages:** 4785-4797 **DOI:** 10.1039/c6ay00435k **Published:** 2016

Accession Number: WOS:000378231600002

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Carvalho, Maria Luisa	C-6782-2011	0000-0002-9004-1134

ISSN: 1759-9660

eISSN: 1759-9679

Record 5 of 13

Title: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Rambouskova, G (Rambouskova, Gabriela); Hynek, R (Hynek, Radovan); Cejnar, P (Cejnar, Pavel); Oltrogge, D (Oltrogge, Doris); Fuchs, R (Fuchs, Robert)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 50 **Issue:** 11 **Pages:** 1270-1278 **DOI:** 10.1002/jms.3699 **Published:** NOV 2015

Accession Number: WOS:000363772300010

ISSN: 1076-5174

eISSN: 1096-9888

Record 6 of 13

Title: Deglycosylation Step to Improve the Identification of Egg Proteins in Art Samples

Author(s): Vinciguerra, R (Vinciguerra, Roberto); Galano, E (Galano, Eugenio); Vallone, F (Vallone, Fabiana); Greco, G (Greco, Giovanna); Vergara, A (Vergara, Alessandro); Bonaduce, N (Bonaduce, Nada); Marino, G (Marino, Gennaro); Pucci, P (Pucci, Pietro); Amoresano, A (Amoresano, Angela); Birolo, L (Birolo, Leila)

Source: ANALYTICAL CHEMISTRY **Volume:** 87 **Issue:** 20 **Pages:** 10178-10182 **DOI:**

10.1021/acs.analchem.5b02423 **Published:** OCT 20 2015

Accession Number: WOS:000363348300004

PubMed ID: 26399393

ISSN: 0003-2700

eISSN: 1520-6882

Record 7 of 13

Title: Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration

Author(s): Bratu, I (Bratu, Ioan); Marutoiu, C (Marutoiu, Constantin); Moldovan, Z (Moldovan, Zaharie); Marutoiu, VC (Marutoiu, Victor Constantin); Trosan, L (Trosan, Laura); Pop, DT (Pop, Daniela Toader); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 10 **Pages:** 1628-1631 **Published:** OCT 2015

Accession Number: WOS:000368436300018

ISSN: 0034-7752

Record 8 of 13

Title: Identification of Organic Binders in Ancient Chinese Paintings by Immunological Techniques

Author(s): Hu, WJ (Hu, Wenjing); Zhang, H (Zhang, Hui); Zhang, BJ (Zhang, Bingjian)

Source: MICROSCOPY AND MICROANALYSIS **Volume:** 21 **Issue:** 5 **Pages:** 1278-1287 **DOI:** 10.1017/S1431927615015147 **Published:** OCT 2015

Accession Number: WOS:000362950300022

PubMed ID: 26428439

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Conference Location: Leoben, AUSTRIA

Conference Sponsors: European Microbeam Anal Soc

ISSN: 1431-9276

eISSN: 1435-8115

Record 9 of 13

Title: POLYCHROME SCULPTURES OF ST. FRANCIS OF ASSISI CHURCH, OLD GOA: A CHALLENGE IN SCIENTIFIC CONSERVATION

Author(s): Kumar, SV (Kumar, Selvam Vinodh); Singh, M (Singh, Manager); Wagh, SW (Wagh, Sudhir W.); Mahajan, NE (Mahajan, Nilesh E.)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 465-472 **Published:** SEP 2015

Accession Number: WOS:000364504100003

ISSN: 2067-533X

eISSN: 2067-8223

Record 10 of 13

Title: PROTEOMICS TOOLS FOR THE CONTEMPORARY IDENTIFICATION OF PROTEINACEOUS BINDERS IN GILDED SAMPLES

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Schultz, J (Schultz, Julia); Veiga, R (Veiga, Rita); Murta, E (Murta, Elsa); Sandu, ICA (Anca Sandu, Irina Crina)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 507-518 **Published:** SEP 2015

Accession Number: WOS:000364504100007

ISSN: 2067-533X

eISSN: 2067-8223

Record 11 of 13

Title: Application of matrix-assisted laser desorption and ionization time of flight mass spectrometry to the study of the proteinaceous binders in paint: blue paint composition in the series "The Life of Virgin" by Mons Cano (17th century) as a case study

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Rodriguez-Simon, L (Rodriguez-Simon, Luis); Lario-Simon, A (Lario-Simon, Antonio); Kuckova, S (Kuckova, Stepanka); Manzano, E (Manzano, Eloise)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 1 **Pages:** 19-26 **DOI:** 10.1255/ejms.1306 **Published:** 2015

Accession Number: WOS:000355233800003

PubMed ID: 25906031

ISSN: 1469-0667

eISSN: 1751-6838

Record 12 of 13

Title: Identification of lipid- and protein-based binders in paintings by direct on-plate wet chemistry and matrix-assisted laser desorption ionization mass spectrometry

Author(s): Calvano, CD (Calvano, Cosima Damiana); van der Werf, ID (van der Werf, Inez Dorothe); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 407 **Issue:** 3 **Pages:** 1015-1022 **DOI:** 10.1007/s00216-014-8359-6 **Published:** JAN 2015

Accession Number: WOS:000348435600037

PubMed ID: 25433687

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Calvano, Cosima Damiana		0000-0001-8832-7072
Sabbatini, Luigia		0000-0002-5099-2242
Palmisano, Francesco		0000-0003-3706-9397

ISSN: 1618-2642

eISSN: 1618-2650

Record 13 of 13

Title: Assessment of Cleaning Effectiveness for New Ecological Systems on Ancient Tempera Icon by Complementary Microscopy Techniques

Author(s): Pruteanu, S (Pruteanu, Silvea); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina); Budu, AM (Budu, Ana-Maria); Sandu, I (Sandu, Ion)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 12 **Pages:** 1060-1070 **DOI:** 10.1002/jemt.22437 **Published:** DEC 2014

Accession Number: WOS:000345571900015

PubMed ID: 25234164

ISSN: 1059-910X

eISSN: 1097-0029

17. Coufalova, L., Kuckova, S., Zeman, A., Smid, M., Velcovska, M., Hynek, R.:
Biomineralization of aortic valves. *Chem. Listy*. 107: 54-57, 2013. IF 0,272, SCI 1:

Record 1 of 1

Title: The structure and material composition of ossified aortic valves identified using a set of scientific methods

Author(s): Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Hynek, R (Hynek, Radovan) **Source:** JOURNAL OF ASIAN EARTH SCIENCES **Volume:** 77 **Special Issue:** SI **Pages:** 311-317 **DOI:** 10.1016/j.jseaes.2013.07.001 **Published:** NOV 15 2013 **Accession Number:** WOS:000326996800030

18. Junkova, P., Vermachova, M., Prchal, J., Kuckova, S., **Hynek, R.**: Improved approach for the labelling of arginine, glutamic and aspartic acid side chains in proteins using chromatographic techniques. *J. Liq. Chromatogr. R. T.* 36: 1221-1230, 2013. IF 0,606; SCI 1:

Record 1 of 1

Title: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification **Author(s):** Kuckova, SH (Kuckova, Stepanka Hrdlickova); Rambouskova, G (Rambouskova, Gabriela); Hynek, R (Hynek, Radovan); Cejnar, P (Cejnar, Pavel); Oltrogge, D (Oltrogge, Doris); Fuchs, R (Fuchs, Robert) **Source:** JOURNAL OF MASS SPECTROMETRY **Volume:** 50 **Issue:** 11 **Pages:** 1270-1278 **DOI:** 10.1002/jms.3699 **Published:** NOV 2015 **Accession Number:** WOS:000363772300010 **ISSN:** 1076-5174 **eISSN:** 1096-9888

19. Kuckova, S., Sandu, I.C.A., Crhova, M., **Hynek, R.**, Fogas, I., Schafer, S: Protein identification and localization using mass spectrometry and staining tests in cross-sections of polychrome samples. *J. Cult. Herit.* 14: 31-37, 2013. IF 1,533; SCI 26:

Record 1 of 26

Title: Immunological detection of denatured proteins as a method for rapid identification of food residues on archaeological pottery

Author(s): Pavelka, J (Pavelka, Jaroslav); Smejda, L (Smejda, Ladislav); Hynek, R (Hynek, Radovan); Kuckova, SH (Kuckova, Stepanka Hrdlickova)

Source: JOURNAL OF ARCHAEOLOGICAL SCIENCE **Volume:** 73 **Pages:** 25-35 **DOI:** 10.1016/j.jas.2016.07.004 **Published:** SEP 2016

Accession Number: WOS:000383525300003

ISSN: 0305-4403

eISSN: 1095-9238

Record 2 of 26

Title: Breaking down banners: analytical approaches to determining the materials of painted banners

Author(s): Smith, MJ (Smith, M. J.); Thompson, K (Thompson, K.); Hermens, E (Hermens, E.)

Source: HERITAGE SCIENCE **Volume:** 4 **Article Number:** 23 **DOI:** 10.1186/s40494-016-0095-0 **Published:** AUG 8 2016

Accession Number: WOS:000381570300001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Natarajan, Meena	J-9167-2012	0000-0001-5652-9681

ISSN: 2050-7445

Record 3 of 26

Title: An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid MALDI-TOF mass spectra profile

Author(s): Herrera, A (Herrera, A.); Navas, N (Navas, N.); Cardell, C (Cardell, C.)

Source: TALANTA **Volume:** 155 **Pages:** 53-61 **DOI:** 10.1016/j.talanta.2016.04.006 **Published:** AUG 1 2016

Accession Number: WOS:000377840200008

PubMed ID: 27216656

ISSN: 0039-9140

eISSN: 1873-3573

Record 4 of 26

Title: Testing the cleaning effectiveness of new ecological aqueous dispersions applied on old icons

Author(s): Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina); Pruteanu, S (Pruteanu, Silvea); Caldeira, AT (Caldeira, Ana Teresa); Simionescu, AE (Simionescu, Atena Elena); Sandu, I (Sandu, Ion)

Source: APPLIED SURFACE SCIENCE **Volume:** 367 **Pages:** 70-79 **DOI:** 10.1016/j.apsusc.2016.01.128 **Published:** MAR 30 2016

Accession Number: WOS:000372519300010

ISSN: 0169-4332

eISSN: 1873-5584

Record 5 of 26

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 6 of 26

Title: Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration

Author(s): Bratu, I (Bratu, Ioan); Marutoiu, C (Marutoiu, Constantin); Moldovan, Z (Moldovan, Zaharie); Marutoiu, VC (Marutoiu, Victor Constantin); Trosan, L (Trosan, Laura); Pop, DT (Pop, Daniela Toader); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 10 **Pages:** 1628-1631 **Published:** OCT 2015

Accession Number: WOS:000368436300018

ISSN: 0034-7752

Record 7 of 26

Title: Identification of Organic Binders in Ancient Chinese Paintings by Immunological Techniques

Author(s): Hu, WJ (Hu, Wenjing); Zhang, H (Zhang, Hui); Zhang, BJ (Zhang, Bingjian)

Source: MICROSCOPY AND MICROANALYSIS **Volume:** 21 **Issue:** 5 **Pages:** 1278-1287 **DOI:** 10.1017/S1431927615015147 **Published:** OCT 2015

Accession Number: WOS:000362950300022

PubMed ID: 26428439

Conference Title: 11th Region Workshop of the European-Microbeam-Analysis-Society (EMAS)

Conference Date: SEP 21-24, 2014

Conference Location: Leoben, AUSTRIA

Conference Sponsors: European Microbeam Anal Soc

ISSN: 1431-9276

eISSN: 1435-8115

Record 8 of 26

Title: CREATING THE ILLUSION: THE MARBLE AND STONE-LIKE DECORATION OF THE MAIN ALTARPIECE OF ST. FRANCIS CHURCH, IN VISEU

Author(s): Sandu, ICA (Anca Sandu, Irina Crina); Murta, E (Murta, Elsa); Eusebio, F (Eusebio, Fatima); Veiga, R (Veiga, Rita); Jorge, L (Jorge, Lia); Muralha, VS (Muralha, Vania Solange); Pereira, MFC (Costa Pereira, Manuel Francisco); Busani, T (Busani, Tito); Leal, N (Leal, Nuno); Ferreira, S (Ferreira, Silvia)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 473-486 **Published:** SEP 2015

Accession Number: WOS:000364504100004

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Record 9 of 26

Title: THE VERMEILLONNER, AN ORIGINAL SEVENTEENTH CENTURY FRENCH GILDING TECHNIQUE, ALSO USED IN SPAIN (BRONCEADO) AND PORTUGAL (FOSCADO) DURING THE EIGHTEENTH CENTURY

Author(s): Nodal, C (Nodal, Carlos); Sandu, ICA (Anca Sandu, Irina Crina); Veiga, R (Veiga, Rita)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 487-498 **Published:** SEP 2015

Accession Number: WOS:000364504100005

ISSN: 2067-533X

eISSN: 2067-8223

Record 10 of 26

Title: PROTEOMICS TOOLS FOR THE CONTEMPORARY IDENTIFICATION OF PROTEINACEOUS BINDERS IN GILDED SAMPLES

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Schultz, J (Schultz, Julia); Veiga, R (Veiga, Rita); Murta, E (Murta, Elsa); Sandu, ICA (Anca Sandu, Irina Crina)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 507-518 **Published:** SEP 2015

Accession Number: WOS:000364504100007

ISSN: 2067-533X

eISSN: 2067-8223

Record 11 of 26

Title: NEW RESEARCH ON MATERIALS USED IN THE PAINTING OF ICONS ON GLASS IN TRANSYLVANIA IN THE XIX CENTURY

Author(s): Munteanu, A (Munteanu, Anisoara); Simionescu, AE (Simionescu, Atena Elena); Urma, M (Urma, Maria)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 557-570 **Published:** SEP 2015

Accession Number: WOS:000364504100011

ISSN: 2067-533X

eISSN: 2067-8223

Record 12 of 26

Title: Study on the Consolidation of Degraded Pictural Layer with Acrylic Binder

Author(s): Hutanu, I (Hutanu, Ioana); Sandu, I (Sandu, Ion); Vasilache, V (Vasilache, Viorica); Nica, L (Nica, Liliana); Sandu, ICA (Sandu, Irina Crina Anca)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 6 **Pages:** 895-900 **Published:** JUN 2015

Accession Number: WOS:000357403600030

ISSN: 0034-7752

Record 13 of 26

Title: Study of Modifying the Level of Oxygen Inside the Cryptoclimat for Stopping the Xylophagous Attack on Old Icon Panel

Author(s): Munteanu, M (Munteanu, Marius); Sandu, I (Sandu, Ion); Vasilache, V (Vasilache, Viorica); Budu, AM (Budu, Ana-Maria); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 2 **Pages:** 187-190 **Published:** FEB 2015

Accession Number: WOS:000351659300008

ISSN: 0034-7752

Record 14 of 26

Title: Application of matrix-assisted laser desorption and ionization time of flight mass spectrometry to the study of the proteinaceous binders in paint: blue paint composition in the series "The Life of Virgin" by Mons Cano (17th century) as a case study

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Rodriguez-Simon, L (Rodriguez-Simon, Luis); Lario-Simon, A (Lario-Simon, Antonio); Kuckova, S (Kuckova, Stepanka); Manzano, E (Manzano, Eloise)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 1 **Pages:** 19-26 **DOI:** 10.1255/ejms.1306 **Published:** 2015

Accession Number: WOS:000355233800003

PubMed ID: 25906031

ISSN: 1469-0667

eISSN: 1751-6838

Record 15 of 26

Title: Ecological Systems Applied for Cleaning Gilding in Old Icons

Author(s): Pruteanu, S (Pruteanu, Silvea); Sandu, I (Sandu, Ion); Timar, MC (Timar, Maria Cristina); Munteanu, M (Munteanu, Marius); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 12 **Pages:** 1467-1472 **Published:** DEC 2014

Accession Number: WOS:000345946400014

ISSN: 0034-7752

Record 16 of 26

Title: Assessment of Cleaning Effectiveness for New Ecological Systems on Ancient Tempera Icon by Complementary Microscopy Techniques

Author(s): Pruteanu, S (Pruteanu, Silvea); Vasilache, V (Vasilache, Viorica); Sandu, ICA (Anca Sandu, Irina Crina); Budu, AM (Budu, Ana-Maria); Sandu, I (Sandu, Ion)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 12 **Pages:** 1060-1070 **DOI:** 10.1002/jemt.22437 **Published:** DEC 2014

Accession Number: WOS:000345571900015

PubMed ID: 25234164

ISSN: 1059-910X

eISSN: 1097-0029

Record 17 of 26

Title: Assessment of Green Cleaning Effectiveness on Polychrome Surfaces by MALDI-TOF Mass Spectrometry and Microscopic Imaging

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Krizkova, MC (Krizkova, Michaela Crhova); Pereira, CLC (Cortes Pereira, Catarina Luisa); Hynek, R (Hynek, Radovan); Lavrova, O (Lavrova, Olga); Busani, T (Busani, Tito); Branco, LC (Branco, Luis Cobra); Sandu, ICA (Anca Sandu, Irina Crina)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 8 **Pages:** 574-585 **DOI:** 10.1002/jemt.22376 **Published:** AUG 2014

Accession Number: WOS:000340582600004

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Branco, Luis	C-6426-2013	0000-0003-2520-1151
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1059-910X

eISSN: 1097-0029

Record 18 of 26

Title: Complementary analytical methods in identifying gilding and painting techniques of ancient clay-based polychromic sculptures

Author(s): Wang, N (Wang, Na); He, L (He, Ling); Egel, E (Egel, Ellen); Simon, S (Simon, Stefan); Rong, B (Rong,

Bo)

Source: MICROCHEMICAL JOURNAL **Volume:** 114 **Pages:** 125-140 **DOI:** 10.1016/j.microc.2013.12.011 **Published:** MAY 2014

Accession Number: WOS:000333495800018

Author Identifiers:

Author ResearcherID NumberORCID Number

He, Ling O-3575-2014

ISSN: 0026-265X

eISSN: 1095-9149

Record 19 of 26

Title: Application of Gas Chromatography-Mass Spectrometry for the Identification of Organic Compounds in Cultural Relics

Author(s): Wu, C (Wu Chen); Wang, LQ (Wang Li-Qin); Yang, L (Yang Lu); Ma, ZZ (Ma Zhen-Zhen)

Source: CHINESE JOURNAL OF ANALYTICAL CHEMISTRY **Volume:** 41 **Issue:** 11 **Pages:** 1773-1779 **DOI:** 10.1016/S1872-2040(13)60693-3 **Published:** NOV 2013

Accession Number: WOS:000327479300007

ISSN: 0253-3820

eISSN: 1872-2040

Record 20 of 26

Title: Innovative technique for the direct determination of proteins in calcified aortic valves

Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Hynek, R (Hynek, Radovan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 405 **Issue:** 27 **Pages:** 8781-8787 **DOI:** 10.1007/s00216-013-7306-2 **Published:** NOV 2013

Accession Number: WOS:000325823600013

PubMed ID: 23978938

Author Identifiers:

Author ResearcherID NumberORCID Number

Zeman, Antonin H-2154-2014

ISSN: 1618-2642

eISSN: 1618-2650

Record 21 of 26

Title: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Muralha, VS (Muralha, Vania Solange); Sandu, AV (Sandu, Andrei Victor)

Source: MICROCHEMICAL JOURNAL **Volume:** 110 **Pages:** 538-544 **DOI:** 10.1016/j.microc.2013.07.002 **Published:** SEP 2013

Accession Number: WOS:000326851200077

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Muralha, Vania	C-7018-2013	0000-0001-5488-9069
Sandu, Andrei Victor	I-9320-2012	0000-0002-9292-749X
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 0026-265X

eISSN: 1095-9149

Record 22 of 26

Title: An innovative, interdisciplinary, and multi-technique study of gilding and painting techniques in the decoration

of the main altarpiece of Miranda do Douro Cathedral (XVII-XVIIIth centuries, Portugal)

Author(s): Sandu, ICA (Anca Sandu, Irina Crina); Murta, E (Murta, Elsa); Veiga, R (Veiga, Rita); Muralha, VSF (Muralha, Vania Solange F.); Pereira, M (Pereira, Manuel); Kuckova, S (Kuckova, Stepanka); Busani, T (Busani, Tito)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 76 **Issue:** 7 **Pages:** 733-743 **DOI:** 10.1002/jemt.22224 **Published:** JUL 2013

Accession Number: WOS:000320934400009

PubMed ID: 23650028

Author Identifiers:

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Caparica, cqfb_staff	H-2611-2013	
REQUIMTE, AL	H-9106-2013	
Sandu, Irina	D-2905-2013	0000-0002-3307-3682
Muralha, Vania	C-7018-2013	0000-0001-5488-9069
Pereira, Manuel	H-7288-2012	0000-0002-7932-8062

ISSN: 1059-910X

Record 23 of 26

Title: Surface coating on Bertesi's wooden bas relief (seventeenth century)

Author(s): Malagodi, M (Malagodi, M.); Basso, E (Basso, E.); Avagliano, R (Avagliano, R.); Licchelli, M (Licchelli, M.)

Source: SURFACE ENGINEERING **Volume:** 29 **Issue:** 2 **Pages:** 107-113 **DOI:** 10.1179/1743294412Y.0000000067 **Published:** MAR 2013

Accession Number: WOS:000317349900004

ISSN: 0267-0844

Record 24 of 26

Title: Organic Residues in Archaeology: The Highs and Lows of Recent Research

Author(s): Steele, V (Steele, Val)

Edited by: Armitage RA; Burton JH

Source: ARCHAEOLOGICAL CHEMISTRY VIII **Book Series:** ACS Symposium Series **Volume:** 1147 **Pages:** 89-108 **Published:** 2013

Accession Number: WOS:000326249800005

Conference Title: 12th Archaeological Chemistry Symposium at the Spring American-Chemical-Society National Meeting

Conference Date: APR 07-11, 2013

Conference Location: New Orleans, LA

Conference Sponsors: Amer Chem Soc, Div Hist Chem

ISSN: 0097-6156

ISBN: 978-0-8412-2924-2

Record 25 of 26

Title: 18th-Century Glue Recipes: Towards Identifying Glue Residues from Ferry Farm, George Washington's Boyhood Home

Author(s): Fraser, D (Fraser, Daniel); Kaktins, M (Kaktins, Mara); Armitage, RA (Armitage, Ruth Ann)

Edited by: Armitage RA; Burton JH

Source: ARCHAEOLOGICAL CHEMISTRY VIII **Book Series:** ACS Symposium Series **Volume:** 1147 **Pages:** 109-121 **Published:** 2013

Accession Number: WOS:000326249800006

Conference Title: 12th Archaeological Chemistry Symposium at the Spring American-Chemical-Society National Meeting

Conference Date: APR 07-11, 2013

Conference Location: New Orleans, LA

Conference Sponsors: Amer Chem Soc, Div Hist Chem

Record 26 of 26

Title: Proteomics applied to the authentication of fish glue: application to a 17th century artwork sample

Author(s): Dallongeville, S (Dallongeville, Sophie); Richter, M (Richter, Mark); Schafer, S (Schaefer, Stephan); Kuhlenthal, M (Kuehlenthal, Michael); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYST **Volume:** 138 **Issue:** 18 **Pages:** 5357-5364 **DOI:** 10.1039/c3an00786c **Published:** 2013

Accession Number: WOS:000323115200025

PubMed ID: 23877283

20. Kuckova, S., **Hynek, R.**, Němec, I., Kodiček, M., Jehlička, J.: Critical comparison of spectrometric analyses of non-mineral blue dyes and pigments used in artworks. *Surf. Interface Anal.* 44: 963-967, 2012. IF 1,245; SCI 5:

Record 1 of 5

Title: Synthesis of Strongly Fluorescent Graphene Quantum Dots by Cage-Opening Buckminsterfullerene

Author(s): Chua, CK (Chua, Chun Kiang); Sofer, Z (Sofer, Zdenek); Simek, P (Simek, Petr); Jankovsky, O (Jankovsky, Ondrej); Klimova, K (Klimova, Katerina); Bakardjieva, S (Bakardjieva, Snejana); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Pumera, M (Pumera, Martin)

Source: ACS NANO **Volume:** 9 **Issue:** 3 **Pages:** 2548-2555 **DOI:** 10.1021/nn505639q **Published:** MAR 2015

Accession Number: WOS:000351791800031

PubMed ID: 25761306

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Pumera, Martin	F-2724-2010	0000-0001-5846-2951
Sofer, Zdenek	A-9690-2010	

ISSN: 1936-0851

eISSN: 1936-086X

Record 2 of 5

Title: Characterization of natural organic colorants in historical and art objects by high-performance liquid chromatography

Author(s): Pauk, V (Pauk, Volodymyr); Bartak, P (Bartak, Petr); Lemr, K (Lemr, Karel)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 37 **Issue:** 23 **Pages:** 3393-3410 **DOI:** 10.1002/jssc.201400650 **Published:** DEC 2014

Accession Number: WOS:000345829900001

PubMed ID: 25234708

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Lemr, Karel	C-6755-2008	0000-0003-3158-0637

ISSN: 1615-9306

eISSN: 1615-9314

Record 3 of 5

Title: Carbon fragments are ripped off from graphite oxide sheets during their thermal reduction

Author(s): Jankovsky, O (Jankovsky, Ondrej); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Pumera, M (Pumera, Martin); Simek, P (Simek, Petr); Sedmidubsky, D (Sedmidubsky, David); Sofer, Z (Sofer, Zdenek)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 38 **Issue:** 12 **Pages:** 5700-5705 **DOI:** 10.1039/c4nj00871e **Published:** DEC 2014

Accession Number: WOS:000345485000005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Pumera, Martin	F-2724-2010	0000-0001-5846-2951
Sofer, Zdenek	A-9690-2010	
Sedmidubsky, David	K-3874-2015	0000-0003-3191-8781

ISSN: 1144-0546

eISSN: 1369-9261

Record 4 of 5

Title: Evaluation of MidIR fibre optic reflectance: Detection limit, reproducibility and binary mixture discrimination

Author(s): Sessa, C (Sessa, Clarimma); Bagan, H (Bagan, Hector); Garcia, JF (Francisco Garcia, Jose)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR

SPECTROSCOPY **Volume:** 115 **Pages:** 617-628 **DOI:** 10.1016/j.saa.2013.06.088 **Published:** NOV 2013

Accession Number: WOS:000324152700078

PubMed ID: 23872021

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Bagan Navarro, Hector		0000-0002-2343-9759

ISSN: 1386-1425

Record 5 of 5

Title: Simultaneous identification of historical pigments Prussian blue and indigo in paintings by electrospray mass spectrometry

Author(s): Pauk, V (Pauk, Volodymyr); Havlicek, V (Havlicek, Vladimir); Papouskova, B (Papouskova, Barbora); Sulovsky, P (Sulovsky, Petr); Lemr, K (Lemr, Karel)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 48 **Issue:** 8 **Pages:** 927-930 **DOI:** 10.1002/jms.3228 **Published:** AUG 2013

Accession Number: WOS:000322341800005

PubMed ID: 23893639

21. **Hynek R.**, Marsalova L., Kuckova S., Konik P., Santrucek J., Martinec J., Novotna Z., Kodicek M.: A Novel Approach for the Determination of Membrane Protein Expression Level Based on LC-MS/MS. *Journal of Liquid Chromatography & Related Technologies* 34 (12), 1004-1013 (2011). IF 0,606.

22. Fremont W., Kuckova S., Crhova M. Sanyova J., Savrwyns S., **Hynek R.**, Kodicek M., Vandenebee M., Moens L.: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA). *Rapid Communications in Mass Spectrometry* 25 (11), 1631-1640 (2011). IF 2,253; SCI 20:

Record 1 of 20

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:**

10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665
eISSN: 1520-6890

Record 2 of 20

Title: Influence of pigments and protein aging on protein identification in historically representative casein-based paints using enzyme-linked immunosorbent assay

Author(s): Ren, F (Ren, Fang); Atlasevich, N (Atlasevich, Natalya); Baade, B (Baade, Brian); Loike, J (Loike, John); Arslanoglu, J (Arslanoglu, Julie)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 408 **Issue:** 1 **Pages:** 203-215 **DOI:** 10.1007/s00216-015-9089-0 **Published:** JAN 2016

Accession Number: WOS:000368016700021

PubMed ID: 26472321

ISSN: 1618-2642

eISSN: 1618-2650

Record 3 of 20

Title: Material Research of Gilding on Medieval Polychrome Sculpture

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, MK (Crhova, Michaela Krizkova); Coufalova, L (Coufalova, Lucie); Krizova, I (Krizova, Iva); Hynek, R (Hynek, Radovan); Muralha, SV (Muralha, Solange Vanha); Schafer, S (Schafer, Stephan); Fogas, I (Fogas, Igor)

Source: CHEMICKE LISTY **Volume:** 109 **Issue:** 11 **Pages:** 864-869 **Published:** NOV 2015

Accession Number: WOS:000368261500008

ISSN: 0009-2770

eISSN: 1213-7103

Record 4 of 20

Title: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Rambouskova, G (Rambouskova, Gabriela); Hynek, R (Hynek, Radovan); Cejnar, P (Cejnar, Pavel); Oltrogge, D (Oltrogge, Doris); Fuchs, R (Fuchs, Robert)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 50 **Issue:** 11 **Pages:** 1270-1278 **DOI:** 10.1002/jms.3699 **Published:** NOV 2015

Accession Number: WOS:000363772300010

ISSN: 1076-5174

eISSN: 1096-9888

Record 5 of 20

Title: Deglycosylation Step to Improve the Identification of Egg Proteins in Art Samples

Author(s): Vinciguerra, R (Vinciguerra, Roberto); Galano, E (Galano, Eugenio); Vallone, F (Vallone, Fabiana); Greco, G (Greco, Giovanna); Vergara, A (Vergara, Alessandro); Bonaduce, N (Bonaduce, Nada); Marino, G (Marino, Gennaro); Pucci, P (Pucci, Pietro); Amoresano, A (Amoresano, Angela); Birolo, L (Birolo, Leila)

Source: ANALYTICAL CHEMISTRY **Volume:** 87 **Issue:** 20 **Pages:** 10178-10182 **DOI:** 10.1021/acs.analchem.5b02423 **Published:** OCT 20 2015

Accession Number: WOS:000363348300004

PubMed ID: 26399393

ISSN: 0003-2700

eISSN: 1520-6882

Record 6 of 20

Title: Proteomic identification of adhesive on a bone sculpture-inlaid wooden artifact from the Xiaohe Cemetery, Xinjiang, China

Author(s): Rao, HY (Rao, Huiyun); Yang, YM (Yang, Yimin); Abuduresule, I (Abuduresule, Idelisi); Li, WY (Li, Wenying); Hu, XJ (Hu, Xingjun); Wang, CS (Wang, Changsui)

Source: JOURNAL OF ARCHAEOLOGICAL SCIENCE **Volume:** 53 **Pages:** 148-155 **DOI:** 10.1016/j.jas.2014.10.010 **Published:** JAN 2015

Accession Number: WOS:000348621400013

ISSN: 0305-4403

eISSN: 1095-9238

Record 7 of 20

Title: Identification of lipid- and protein-based binders in paintings by direct on-plate wet chemistry and matrix-assisted laser desorption ionization mass spectrometry

Author(s): Calvano, CD (Calvano, Cosima Damiana); van der Werf, ID (van der Werf, Inez Dorothe); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 407 **Issue:** 3 **Pages:** 1015-1022 **DOI:** 10.1007/s00216-014-8359-6 **Published:** JAN 2015

Accession Number: WOS:000348435600037

PubMed ID: 25433687

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Palmisano, Francesco		0000-0003-3706-9397

ISSN: 1618-2642

eISSN: 1618-2650

Record 8 of 20

Title: 2,5-Dihydroxybenzoic acid solution in MALDI-MS: ageing and use for mass calibration

Author(s): Teearu, A (Teearu, Anu); Vahur, S (Vahur, Signe); Haljasorg, U (Haljasorg, Uku); Leito, I (Leito, Ivo); Haljasorg, T (Haljasorg, Toiv); Toom, L (Toom, Lauri)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 49 **Issue:** 10 **Pages:** 970-979 **DOI:** 10.1002/jms.3395 **Published:** OCT 2014

Accession Number: WOS:000343800500002

PubMed ID: 25303386

Author Identifiers:

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Toom, Lauri	J-6078-2013	0000-0001-9693-8180
Leito, Ivo	K-8867-2012	

ISSN: 1076-5174

eISSN: 1096-9888

Record 9 of 20

Title: Characterisation and classification of binders used in art materials at the class and the subclass level

Author(s): Checa-Moreno, R (Checa-Moreno, R.); Manzano, E (Manzano, E.); Capitan-Vallvey, LF (Capitan-Vallvey, L. F.)

Source: ANALYTICAL METHODS **Volume:** 6 **Issue:** 12 **Pages:** 4009-4021 **DOI:** 10.1039/c4ay00444b **Published:** 2014

Accession Number: WOS:000337121800015

ISSN: 1759-9660

eISSN: 1759-9679

Record 10 of 20

Title: High-resolution time-of-flight mass spectrometry fingerprinting of metabolites from cecum and distal colon contents of rats fed resistant starch

Author(s): Anderson, TJ (Anderson, Timothy J.); Jones, RW (Jones, Roger W.); Ai, YF (Ai, Yongfeng); Houk, RS (Houk, Robert S.); Jane, JL (Jane, Jay-lin); Zhao, YS (Zhao, Yinsheng); Birt, DF (Birt, Diane F.); McClelland, JF (McClelland, John F.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 406 **Issue:** 3 **Pages:** 745-756 **DOI:** 10.1007/s00216-013-7523-8 **Published:** JAN 2014

Accession Number: WOS:000329625800010

PubMed ID: 24306331

ISSN: 1618-2642

eISSN: 1618-2650

Record 11 of 20

Title: Identification of protein binders in artworks by MALDI-TOF/TOF tandem mass spectrometry

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: TALANTA **Volume:** 113 **Pages:** 49-61 **DOI:** 10.1016/j.talanta.2013.03.071 **Published:** SEP 15 2013

Accession Number: WOS:000320416500009

PubMed ID: 23708623

ISSN: 0039-9140

eISSN: 1873-3573

Record 12 of 20

Title: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Muralha, VS (Muralha, Vania Solange); Sandu, AV (Sandu, Andrei Victor)

Source: MICROCHEMICAL JOURNAL **Volume:** 110 **Pages:** 538-544 **DOI:** 10.1016/j.microc.2013.07.002 **Published:** SEP 2013

Accession Number: WOS:000326851200077

Author Identifiers:

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Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 0026-265X

eISSN: 1095-9149

Record 13 of 20

Title: An innovative, interdisciplinary, and multi-technique study of gilding and painting techniques in the decoration of the main altarpiece of Miranda do Douro Cathedral (XVII-XVIIIth centuries, Portugal)

Author(s): Sandu, ICA (Anca Sandu, Irina Crina); Murta, E (Murta, Elsa); Veiga, R (Veiga, Rita); Muralha, VSF (Muralha, Vania Solange F.); Pereira, M (Pereira, Manuel); Kuckova, S (Kuckova, Stepanka); Busani, T (Busani, Tito)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 76 **Issue:** 7 **Pages:** 733-743 **DOI:** 10.1002/jemt.22224 **Published:** JUL 2013

Accession Number: WOS:000320934400009

PubMed ID: 23650028

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Pereira, Manuel	H-7288-2012	0000-0002-7932-8062

ISSN: 1059-910X

Record 14 of 20

Title: Multivariate analysis of combined Raman and fibre-optic reflectance spectra for the identification of binder

materials in simulated medieval paints

Author(s): Pallipurath, A (Pallipurath, Anuradha); Skelton, J (Skelton, Jonathan); Ricciardi, P (Ricciardi, Paola); Bucklow, S (Bucklow, Spike); Elliott, S (Elliott, Stephen)

Source: JOURNAL OF RAMAN SPECTROSCOPY **Volume:** 44 **Issue:** 6 **Pages:** 866-874 **DOI:** 10.1002/jrs.4291 **Published:** JUN 2013

Accession Number: WOS:000319935700011

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Pallipurath, Anuradha	I-4575-2014	0000-0002-9778-5160

ISSN: 0377-0486

Record 15 of 20

Title: Protein identification and localization using mass spectrometry and staining tests in cross-sections of polychrome samples

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Schafer, S (Schafer, Stephan)

Source: JOURNAL OF CULTURAL HERITAGE **Volume:** 14 **Issue:** 1 **Pages:** 31-37 **DOI:** 10.1016/j.culher.2012.03.004 **Published:** JAN-FEB 2013

Accession Number: WOS:000313741400005

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REQUIMTE, AL	H-9106-2013	
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1296-2074

Record 16 of 20

Title: Multi-technique chemical characterisation of a 12-13th-century painted Crucifix

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Laviano, R (Laviano, Rocco); Simonetti, A (Simonetti, Antonella); Sabbatini, L (Sabbatini, Luigia)

Source: MICROCHEMICAL JOURNAL **Volume:** 106 **Pages:** 87-94 **DOI:** 10.1016/j.microc.2012.05.011 **Published:** JAN 2013

Accession Number: WOS:000312826500012

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Calvano, Cosima Damiana		0000-0001-8832-7072
Sabbatini, Luigia		0000-0002-5099-2242

ISSN: 0026-265X

Record 17 of 20

Title: Development of a dedicated peptide tandem mass spectral library for conservation science

Author(s): Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyova, J (Sanyova, Jana); Vandenabeele, P (Vandenabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)

Source: ANALYTICA CHIMICA ACTA **Volume:** 728 **Pages:** 39-48 **DOI:** 10.1016/j.aca.2012.03.037 **Published:** MAY 30 2012

Accession Number: WOS:000304496000006

PubMed ID: 22560279

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Deforce, Dieter	J-4725-2013	0000-0002-0635-661X

ISSN: 0003-2670

Record 18 of 20

Title: Identification of Milk Component in Ancient Food Residue by Proteomics

Author(s): Hong, C (Hong, Chuan); Jiang, HG (Jiang, Hongen); Lu, EG (Lu, Enguo); Wu, YF (Wu, Yunfei); Guo, LH (Guo, Lihai); Xie, YM (Xie, Yongming); Wang, CS (Wang, Changsui); Yang, YM (Yang, Yimin)

Source: PLOS ONE **Volume:** 7 **Issue:** 5 **Special Issue:** 1 **Article Number:** e37053 **DOI:** 10.1371/journal.pone.0037053 **Published:** MAY 16 2012

Accession Number: WOS:000305341300058

PubMed ID: 22615887

ISSN: 1932-6203

Record 19 of 20

Title: Proteinaceous binders identification in the works of art using ion-pairing free reversed-phase liquid chromatography coupled with tandem mass spectrometry

Author(s): Witkowski, B (Witkowski, Bartomiej); Biesaga, M (Biesaga, Magdalena); Gierczak, T (Gierczak, Tomasz)

Source: ANALYTICAL METHODS **Volume:** 4 **Issue:** 5 **Pages:** 1221-1228 **DOI:** 10.1039/c2ay05605d **Published:** MAY 2012

Accession Number: WOS:000303603000006

ISSN: 1759-9660

Record 20 of 20

Title: A simple protocol for Matrix Assisted Laser Desorption Ionization- time of flight-mass spectrometry (MALDI-TOF-MS) analysis of lipids and proteins in single microsamples of paintings

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICA CHIMICA ACTA **Volume:** 718 **Pages:** 1-10 **DOI:** 10.1016/j.aca.2011.12.056 **Published:** MAR 9 2012

Accession Number: WOS:000301310700001

PubMed ID: 22305892

23. Prchal J., Junkova P., Strmiskova M., Lipov J., **Hynek R.**, Ruml T., Hrabal R.: Expression and purification of myristoylated matrix protein of Mason-Pfizer monkey virus for NMR and MS measurements. *Protein Expression and Purification* 79 (1) 122-127 (2011). IF 1,407; SCI 5:

Record 1 of 5

Title: Resonance assignments of the myristoylated Y28F/Y67F mutant of the Mason-Pfizer monkey virus matrix protein

Author(s): Dolezal, M (Dolezal, Michal); Hrabal, R (Hrabal, Richard); Ruml, T (Ruml, Tomas); Rumlova, M (Rumlova, Michaela)

Source: BIOMOLECULAR NMR ASSIGNMENTS **Volume:** 9 **Issue:** 2 **Pages:** 229-233 **DOI:** 10.1007/s12104-014-9580-0 **Published:** OCT 2015

Accession Number: WOS:000361440100002

PubMed ID: 25773138

ISSN: 1874-2718

eISSN: 1874-270X

Record 2 of 5

Title: Cost-effective method for the preparation of uniformly labeled myristoylated proteins for NMR measurements

Author(s): Kroupa, T (Kroupa, Tomas); Prchal, J (Prchal, Jan); Dolezal, M (Dolezal, Michal); Ruml, T (Ruml, Tomas); Hrabal, R (Hrabal, Richard)

Source: PROTEIN EXPRESSION AND PURIFICATION **Volume:** 99 **Pages:** 6-9 **DOI:**

10.1016/j.pep.2014.03.005 **Published:** JUL 2014

Accession Number: WOS:000336870800002

PubMed ID: 24662511

Author Identifiers:

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Kroupa, Tomas	O-9850-2015	0000-0002-5996-9057

ISSN: 1046-5928

eISSN: 1096-0279

Record 3 of 5

Title: A Mason-Pfizer Monkey Virus Gag-GFP Fusion Vector Allows Visualization of Capsid Transport in Live Cells and Demonstrates a Role for Microtubules

Author(s): Clark, J (Clark, Jasmine); Grznarova, P (Grznarova, Petra); Stansell, E (Stansell, Elizabeth); Diehl, W (Diehl, William); Lipov, J (Lipov, Jan); Spearman, P (Spearman, Paul); Ruml, T (Ruml, Tomas); Hunter, E (Hunter, Eric)

Source: PLOS ONE **Volume:** 8 **Issue:** 12 **Article Number:** e83863 **DOI:** 10.1371/journal.pone.0083863 **Published:** DEC 26 2013

Accession Number: WOS:000329116700084

PubMed ID: 24386297

ISSN: 1932-6203

Record 4 of 5

Title: One-step separation of myristoylated and nonmyristoylated retroviral matrix proteins

Author(s): Dolezal, M (Dolezal, Michal); Zabransky, A (Zabransky, Ales); Hrabal, R (Hrabal, Richard); Ruml, T (Ruml, Tomas); Pichova, I (Pichova, Iva); Rumlova, M (Rumlova, Michaela)

Source: PROTEIN EXPRESSION AND PURIFICATION **Volume:** 92 **Issue:** 1 **Pages:** 94-99 **DOI:** 10.1016/j.pep.2013.09.003 **Published:** NOV 2013

Accession Number: WOS:000326257000014

PubMed ID: 24056256

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Rumlova, Michaela	G-6140-2014	
Pichova, Iva	G-7917-2014	

ISSN: 1046-5928

eISSN: 1096-0279

Record 5 of 5

Title: The Structure of Myristoylated Mason-Pfizer Monkey Virus Matrix Protein and the Role of Phosphatidylinositol-(4,5)-Bisphosphate in Its Membrane Binding

Author(s): Prchal, J (Prchal, Jan); Srb, P (Srb, Pavel); Hunter, E (Hunter, Eric); Ruml, T (Ruml, Tomas); Hrabal, R (Hrabal, Richard)

Source: JOURNAL OF MOLECULAR BIOLOGY **Volume:** 423 **Issue:** 3 **Pages:** 427-438 **DOI:** 10.1016/j.jmb.2012.07.021 **Published:** OCT 26 2012

Accession Number: WOS:000310415400012

PubMed ID: 22863803

24. Krasny L., **Hynek R.**, Kodicek M., Disulfide bond decay during matrix-assisted laser desorption/ionization time-of-flight mass spectrometry experiments, *Rapid Communications in Mass Spectrometry* 25 (17), 2468-2474 (2011). IF 2,253.

25. **Hynek R., Svensson B., Jensen O.N., Barkholt V., Finnie C.:** The plasma membrane proteome of germinating barley embryos. *Proteomics* 9, 3787-3794 (2009). IF 3,807; SCI 18:

Record 1 of 18

Title: Barley germination: Spatio-temporal considerations for designing and interpreting 'omics' experiments
Author(s): Daneri-Castro, SN (Daneri-Castro, Sergio N.); Svensson, B (Svensson, Birte); Roberts, TH (Roberts, Thomas H.)
Source: JOURNAL OF CEREAL SCIENCE **Volume:** 70 **Pages:** 29-37 **DOI:** 10.1016/j.jcs.2016.05.012 **Published:** JUL 2016
Accession Number: WOS:000381950600006
ISSN: 0733-5210
eISSN: 1095-9963

Record 2 of 18

Title: Gel-based and gel-free search for plasma membrane proteins in chickpea (*Cicer arietinum* L.) augments the comprehensive data sets of membrane protein repertoire
Author(s): Barua, P (Barua, Pragya); Subba, P (Subba, Pratigya); Lande, NV (Lande, Nilesch Vikram); Mangalparthi, KK (Mangalparthi, Kiran K.); Prasad, TSK (Prasad, T. S. Keshava); Chakraborty, S (Chakraborty, Subhra); Chakraborty, N (Chakraborty, Niranjana)
Source: JOURNAL OF PROTEOMICS **Volume:** 143 **Special Issue:** SI **Pages:** 199-208 **DOI:** 10.1016/j.jprot.2016.04.015 **Published:** JUN 30 2016
Accession Number: WOS:000381231400019
PubMed ID: 27109347
ISSN: 1874-3919
eISSN: 1876-7737

Record 3 of 18

Title: Advances in plant proteomics toward improvement of crop productivity and stress resistance
Author(s): Hu, JJ (Hu, Junjie); Rampitsch, C (Rampitsch, Christof); Bykova, NV (Bykova, Natalia V.)
Source: FRONTIERS IN PLANT SCIENCE **Volume:** 6 **Article Number:** 209 **DOI:** 10.3389/fpls.2015.00209 **Published:** APR 14 2015
Accession Number: WOS:000353577500001
PubMed ID: 25926838
ISSN: 1664-462X

Record 4 of 18

Title: Omics-Based Approaches for Improvement of the Common Bean
Author(s): Zargar, SM (Zargar, Sajad Majeed); Bhattacharjee, C (Bhattacharjee, Chumki); Rai, R (Rai, Rashmi); Nazir, M (Nazir, Muslima); Fukao, Y (Fukao, Yoichiro); Agrawal, GK (Agrawal, Ganesh Kumar); Rakwal, R (Rakwal, Randeep)
Edited by: Benkeblia N
Source: OMICS TECHNOLOGIES AND CROP IMPROVEMENT **Pages:** 271-301 **Published:** 2015
Accession Number: WOS:000362223500013
ISBN: 978-1-4665-8669-7; 978-1-4665-8668-0

Record 5 of 18

Title: A systematic proteomic analysis of NaCl-stressed germinating maize seeds
Author(s): Meng, LB (Meng, Ling-Bo); Chen, YB (Chen, Yi-Bo); Lu, TC (Lu, Tian-Cong); Wang, YF (Wang, Yue-Feng); Qian, CR (Qian, Chun-Rong); Yu, Y (Yu, Yang); Ge, XL (Ge, Xuan-Liang); Li, XH (Li, Xiao-Hui); Wang, BC (Wang, Bai-Chen)
Source: MOLECULAR BIOLOGY REPORTS **Volume:** 41 **Issue:** 5 **Pages:** 3431-3443 **DOI:** 10.1007/s11033-

014-3205-7 **Published:** MAY 2014
Accession Number: WOS:000335734400076
PubMed ID: 24700167
ISSN: 0301-4851
eISSN: 1573-4978

Record 6 of 18

Title: Functional proteomics of barley and barley chloroplasts - strategies, methods and perspectives
Author(s): Petersen, J (Petersen, Jorgen); Rogowska-Wrzesinska, A (Rogowska-Wrzesinska, Adelina); Jensen, ON (Jensen, Ole N.)
Source: FRONTIERS IN PLANT SCIENCE **Volume:** 4 **Article Number:** 52 **DOI:** 10.3389/fpls.2013.00052 **Published:** MAR 18 2013
Accession Number: WOS:000329605600001
PubMed ID: 23515231

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Rogowska-Wrzesinska, Adelina	F-2888-2013	0000-0002-9876-0061

ISSN: 1664-462X

Record 7 of 18

Title: Early carbon mobilization and radicle protrusion in maize germination
Author(s): Sanchez-Linares, L (Sanchez-Linares, Luis); Gavilanes-Ruiz, M (Gavilanes-Ruiz, Marina); Diaz-Pontones, D (Diaz-Pontones, David); Guzman-Chavez, F (Guzman-Chavez, Fernando); Calzada-Alejo, V (Calzada-Alejo, Viridiana); Zurita-Villegas, V (Zurita-Villegas, Viridiana); Luna-Loaiza, V (Luna-Loaiza, Viridiana); Moreno-Sanchez, R (Moreno-Sanchez, Rafael); Bernal-Lugo, I (Bernal-Lugo, Irma); Sanchez-Nieto, S (Sanchez-Nieto, Sobeida)
Source: JOURNAL OF EXPERIMENTAL BOTANY **Volume:** 63 **Issue:** 12 **Pages:** 4513-4526 **DOI:** 10.1093/jxb/ers130 **Published:** JUL 2012
Accession Number: WOS:000307821100016
PubMed ID: 22611232

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Moreno-Sanchez, Rafael	A-3158-2011	0000-0002-9587-7184
Diaz-Pontones, David		0000-0001-8335-0580

ISSN: 0022-0957

Record 8 of 18

Title: Challenges and solutions for the identification of membrane proteins in non-model plants
Author(s): Vertommen, A (Vertommen, A.); Panis, B (Panis, B.); Swennen, R (Swennen, R.); Carpentier, SC (Carpentier, S. C.)
Source: JOURNAL OF PROTEOMICS **Volume:** 74 **Issue:** 8 **Special Issue:** SI **Pages:** 1165-1181 **DOI:** 10.1016/j.jprot.2011.02.016 **Published:** AUG 12 2011
Accession Number: WOS:000294591500002
PubMed ID: 21354347

ISSN: 1874-3919

eISSN: 1876-7737

Record 9 of 18

Title: A workflow for peptide-based proteomics in a poorly sequenced plant: A case study on the plasma membrane proteome of banana
Author(s): Vertommen, A (Vertommen, A.); Moller, ALB (Moller, A. L. B.); Cordewener, JHG (Cordewener, J. H. G.); Swennen, R (Swennen, R.); Panis, B (Panis, B.); Finnie, C (Finnie, C.); America, AHP (America, A. H. P.); Carpentier, SC (Carpentier, S. C.)

Source: JOURNAL OF PROTEOMICS **Volume:** 74 **Issue:** 8 **Special Issue:** SI **Pages:** 1218-1229 **DOI:** 10.1016/j.jprot.2011.02.008 **Published:** AUG 12 2011

Accession Number: WOS:000294591500006

PubMed ID: 21334471

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1874-3919

Record 10 of 18

Title: Recent progress in liquid chromatography-based separation and label-free quantitative plant proteomics

Author(s): Matros, A (Matros, A.); Kaspar, S (Kaspar, S.); Witzel, K (Witzel, K.); Mock, HP (Mock, H-P)

Source: PHYTOCHEMISTRY **Volume:** 72 **Issue:** 10 **Special Issue:** SI **Pages:** 963-974 **DOI:** 10.1016/j.phytochem.2010.11.009 **Published:** JUL 2011

Accession Number: WOS:000292536100002

PubMed ID: 21176926

ISSN: 0031-9422

Record 11 of 18

Title: From protein catalogues towards targeted proteomics approaches in cereal grains

Author(s): Finnie, C (Finnie, Christine); Sultan, A (Sultan, Abida); Grasser, KD (Grasser, Klaus D.)

Source: PHYTOCHEMISTRY **Volume:** 72 **Issue:** 10 **Special Issue:** SI **Pages:** 1145-1153 **DOI:** 10.1016/j.phytochem.2010.11.014 **Published:** JUL 2011

Accession Number: WOS:000292536100016

PubMed ID: 21134685

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 0031-9422

Record 12 of 18

Title: Kinetics of the H⁺-ATPase from Dry and 5-Hours-Imbibed Maize Embryos in Its Native, Solubilized, and Reconstituted Forms

Author(s): Sanchez-Nieto, S (Sanchez-Nieto, Sobeida); Enriquez-Arredondo, C (Enriquez-Arredondo, Consuelo); Guzman-Chavez, F (Guzman-Chavez, Fernando); Hernandez-Munoz, R (Hernandez-Munoz, Rolando); Ramirez, J (Ramirez, Jorge); Gavilanes-Ruiz, M (Gavilanes-Ruiz, Marina)

Source: MOLECULAR PLANT **Volume:** 4 **Issue:** 3 **Pages:** 505-515 **DOI:** 10.1093/mp/ssr010 **Published:** MAY 2011

Accession Number: WOS:000290813600011

PubMed ID: 21367847

ISSN: 1674-2052

Record 13 of 18

Title: Proteomes of the barley aleurone layer: A model system for plant signalling and protein secretion

Author(s): Finnie, C (Finnie, Christine); Andersen, B (Andersen, Birgit); Shahpiri, A (Shahpiri, Azar); Svensson, B (Svensson, Birte)

Source: PROTEOMICS **Volume:** 11 **Issue:** 9 **Special Issue:** SI **Pages:** 1595-1605 **DOI:** 10.1002/pmic.201000656 **Published:** MAY 2011

Accession Number: WOS:000290051000005

PubMed ID: 21433287

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1615-9853

Record 14 of 18

Title: Seed proteomics

Author(s): Miernyk, JA (Miernyk, Jan A.); Hajduch, M (Hajduch, Martin)

Source: JOURNAL OF PROTEOMICS **Volume:** 74 **Issue:** 4 **Pages:** 389-400 **DOI:** 10.1016/j.jprot.2010.12.004 **Published:** APR 1 2011

Accession Number: WOS:000289022900002

PubMed ID: 21172463

ISSN: 1874-3919

Record 15 of 18

Title: Using proteomics to study sexual reproduction in angiosperms

Author(s): Miernyk, JA (Miernyk, Jan A.); Pretova, A (Pretova, Anna); Olmedilla, A (Olmedilla, Adela); Klubicova, K (Klubicova, Katarina); Obert, B (Obert, Bohus); Hajduch, M (Hajduch, Martin)

Source: SEXUAL PLANT REPRODUCTION **Volume:** 24 **Issue:** 1 **Pages:** 9-22 **DOI:** 10.1007/s00497-010-0149-5 **Published:** MAR 2011

Accession Number: WOS:000287511600002

PubMed ID: 20830489

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Adela, Olmedilla	K-6554-2014	
Obert, Bohus		0000-0002-0695-5575

ISSN: 0934-0882

Record 16 of 18

Title: Plant Plasma Membrane Proteomics: Challenges and Possibilities

Author(s): Moller, ALB (Moller, Anders Laurell Blom); Witzel, K (Witzel, Katja); Vertommen, A (Vertommen, Annelies); Barkholt, V (Barkholt, Vibeke); Svensson, B (Svensson, Birte); Carpentier, S (Carpentier, Sebastien); Mock, HP (Mock, Hans-Peter); Finnie, C (Finnie, Christine)

Edited by: Ivanov AR; Lazarev AV

Source: SAMPLE PREPARATION IN BIOLOGICAL MASS SPECTROMETRY **Pages:** 411-434 **DOI:** 10.1007/978-94-007-0828-0_21 **Published:** 2011

Accession Number: WOS:000293148700022

ISBN: 978-94-007-0758-0

Book DOI: 10.1007/978-94-007-0828-0

Record 17 of 18

Title: A NOVEL APPROACH FOR THE DETERMINATION OF MEMBRANE PROTEIN EXPRESSION LEVELS BASED ON LC-MS/MS

Author(s): Hynek, R (Hynek, Radovan); Marsalova, L (Marsalova, Lucie); Kuckova, S (Kuckova, Stepanka); Konik, P (Konik, Peter); Santrucek, J (Santrucek, Jiri); Martinec, J (Martinec, Jan); Novotna, Z (Novotna, Zuzana); Kodicek, M (Kodicek, Milan)

Source: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES **Volume:** 34 **Issue:** 12 **Pages:** 1004-1013 **Article Number:** PII 938694780 **DOI:** 10.1080/10826076.2011.569808 **Published:** 2011

Accession Number: WOS:000291807100005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Martinec, Jan	F-4147-2014	0000-0002-5675-1706

ISSN: 1082-6076

Record 18 of 18

Title: The Green proteome: challenges in plant proteomics

Author(s): Heazlewood, JL (Heazlewood, Joshua L.)

Source: FRONTIERS IN PLANT SCIENCE **Volume:** 2 **Article Number:** 6 **DOI:** 10.3389/fpls.2011.00006 **Published:** 2011

Accession Number: WOS:000208837500006

PubMed ID: 22639573

26. Kuckova S., Crhova M., Vankova L., Hnizda A., **Hynek R.**, Kodicek M.: Towards proteomic analysis of milk proteins in historical building materials. *International Journal of Mass Spectrometry* 284, 42-46 (2009). IF1,972; SCI 23.

Record 1 of 23

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 2 of 23

Title: Electrospray ionization linear trap quadrupole Orbitrap in analysis of old tempera paintings: application to nineteenth-century Orthodox icons

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 4 **Pages:** 679-692 **DOI:** 10.1255/ejms.1346 **Published:** 2015

Accession Number: WOS:000361852100005

PubMed ID: 26353990

ISSN: 1469-0667

eISSN: 1751-6838

Record 3 of 23

Title: Application of matrix-assisted laser desorption and ionization time of flight mass spectrometry to the study of the proteinaceous binders in paint: blue paint composition in the series "The Life of Virgin" by Mons Cano (17th century) as a case study

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Rodriguez-Simon, L (Rodriguez-Simon, Luis); Lario-Simon, A (Lario-Simon, Antonio); Kuckova, S (Kuckova, Stepanka); Manzano, E (Manzano, Eloise)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 1 **Pages:** 19-26 **DOI:** 10.1255/ejms.1306 **Published:** 2015

Accession Number: WOS:000355233800003

PubMed ID: 25906031

ISSN: 1469-0667

eISSN: 1751-6838

Record 4 of 23

Title: Proteomic identification of adhesive on a bone sculpture-inlaid wooden artifact from the Xiaohe Cemetery,

Xinjiang, China

Author(s): Rao, HY (Rao, Huiyun); Yang, YM (Yang, Yimin); Abuduresule, I (Abuduresule, Idelisi); Li, WY (Li, Wenying); Hu, XJ (Hu, Xingjun); Wang, CS (Wang, Changsui)

Source: JOURNAL OF ARCHAEOLOGICAL SCIENCE **Volume:** 53 **Pages:** 148-155 **DOI:** 10.1016/j.jas.2014.10.010 **Published:** JAN 2015

Accession Number: WOS:000348621400013

ISSN: 0305-4403

eISSN: 1095-9238

Record 5 of 23

Title: Proteomic identification of organic additives in the mortars of ancient Chinese wooden buildings

Author(s): Rao, HY (Rao, Huiyun); Li, B (Li, Bo); Yang, YM (Yang, Yimin); Ma, QL (Ma, Qinglin); Wang, CS (Wang, Changsui)

Source: ANALYTICAL METHODS **Volume:** 7 **Issue:** 1 **Pages:** 143-149 **DOI:** 10.1039/c4ay01766h **Published:** 2015

Accession Number: WOS:000346249600019

ISSN: 1759-9660

eISSN: 1759-9679

Record 6 of 23

Title: Identification of proteinaceous binding media for the polychrome terracotta army of Emperor Qin Shihuang by MALDI-TOF-MS

Author(s): Yan, HT (Yan, Hongtao); An, JJ (An, Jingjing); Zhou, T (Zhou, Tie); Xia, Y (Xia, Yin); Rong, B (Rong, Bo)

Source: CHINESE SCIENCE BULLETIN **Volume:** 59 **Issue:** 21 **Pages:** 2574-2581 **DOI:** 10.1007/s11434-014-0372-9 **Published:** JUL 2014

Accession Number: WOS:000338127100011

ISSN: 1001-6538

eISSN: 1861-9541

Record 7 of 23

Title: Peptide mass mapping as an effective tool for historical mortar analysis

Author(s): Krizkova, MC (Krizkova, Michaela Crhova); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Santrucek, J (Santrucek, Jiri); Hynek, R (Hynek, Radovan)

Source: CONSTRUCTION AND BUILDING MATERIALS **Volume:** 50 **Pages:** 219-225 **DOI:** 10.1016/j.conbuildmat.2013.09.059 **Published:** JAN 15 2014

Accession Number: WOS:000330489200026

ISSN: 0950-0618

eISSN: 1879-0526

Record 8 of 23

Title: Innovative technique for the direct determination of proteins in calcified aortic valves

Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Hynek, R (Hynek, Radovan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 405 **Issue:** 27 **Pages:** 8781-8787 **DOI:** 10.1007/s00216-013-7306-2 **Published:** NOV 2013

Accession Number: WOS:000325823600013

PubMed ID: 23978938

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Zeman, Antonin	H-2154-2014	

ISSN: 1618-2642

Record 9 of 23

Title: Identification of protein binders in artworks by MALDI-TOF/TOF tandem mass spectrometry

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: TALANTA **Volume:** 113 **Pages:** 49-61 **DOI:** 10.1016/j.talanta.2013.03.071 **Published:** SEP 15 2013

Accession Number: WOS:000320416500009

PubMed ID: 23708623

ISSN: 0039-9140

eISSN: 1873-3573

Record 10 of 23

Title: Organic Residues in Archaeology: The Highs and Lows of Recent Research

Author(s): Steele, V (Steele, Val)

Edited by: Armitage RA; Burton JH

Source: ARCHAEOLOGICAL CHEMISTRY VIII **Book Series:** ACS Symposium Series **Volume:** 1147 **Pages:** 89-108 **Published:** 2013

Accession Number: WOS:000326249800005

Conference Title: 12th Archaeological Chemistry Symposium at the Spring American-Chemical-Society National Meeting

Conference Date: APR 07-11, 2013

Conference Location: New Orleans, LA

Conference Sponsors: Amer Chem Soc, Div Hist Chem

ISSN: 0097-6156

ISBN: 978-0-8412-2924-2

Record 11 of 23

Title: Reconstruction of a Baroque Open Beam Ceiling Based on Material Analysis

Author(s): Kloiber, M (Kloiber, Michal); Valek, J (Valek, Jan); Blaha, J (Blaha, Jiri); Cechova, J (Cechova, Jitka)

Edited by: Drochytka R; Vanerek J

Source: PROCEEDINGS OF THE CONFERENCE ON THE REHABILITATION AND RECONSTRUCTION OF BUILDINGS CRRB 2012 **Book Series:** Advanced Materials Research **Volume:** 688 **Pages:** 10-19 **DOI:** 10.4028/www.scientific.net/AMR.688.10 **Published:** 2013

Accession Number: WOS:000323184100002

Conference Title: 14th Conference on the Rehabilitation and Reconstruction of Buildings (CRRB 2012)

Conference Date: NOV 06-07, 2012

Conference Location: Brno, CZECH REPUBLIC

Author Identifiers:

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Kloiber, Michal	H-2125-2014	

ISSN: 1022-6680

ISBN: 978-3-03785-679-6

Record 12 of 23

Title: Biomineralization of Aortic Valves

Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Velcovska, M (Velcovska, Martina); Hynek, R (Hynek, Radovan)

Source: CHEMICKE LISTY **Volume:** 107 **Issue:** 1 **Pages:** 54-57 **Published:** 2013

Accession Number: WOS:000314263100009

Author Identifiers:

Author ResearcherID NumberORCID Number
Zeman, Antonin H-2154-2014
ISSN: 0009-2770

Record 13 of 23

Title: Multi-technique chemical characterisation of a 12-13th-century painted Crucifix

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Laviano, R (Laviano, Rocco); Simonetti, A (Simonetti, Antonella); Sabbatini, L (Sabbatini, Luigia)

Source: MICROCHEMICAL JOURNAL **Volume:** 106 **Pages:** 87-94 **DOI:** 10.1016/j.microc.2012.05.011 **Published:** JAN 2013

Accession Number: WOS:000312826500012

Author Identifiers:

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Calvano, Cosima Damiana		0000-0001-8832-7072
Sabbatini, Luigia		0000-0002-5099-2242

ISSN: 0026-265X

Record 14 of 23

Title: IMPACTS OF VARIOUS ORGANIC ADDITIVES ON CARBONIZATION OF LIME

Author(s): Tekin, C (Tekin, Cigdem); Kurugol, S (Kurugol, Sedat)

Source: JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY **Volume:** 27 **Issue:** 4 **Pages:** 717-728 **Published:** DEC 2012

Accession Number: WOS:000314494700004

ISSN: 1300-1884

Record 15 of 23

Title: Identification of Milk Component in Ancient Food Residue by Proteomics

Author(s): Hong, C (Hong, Chuan); Jiang, HG (Jiang, Hongen); Lu, EG (Lu, Enguo); Wu, YF (Wu, Yunfei); Guo, LH (Guo, Lihai); Xie, YM (Xie, Yongming); Wang, CS (Wang, Changsui); Yang, YM (Yang, Yimin)

Source: PLOS ONE **Volume:** 7 **Issue:** 5 **Special Issue:** 1 **Article Number:** e37053 **DOI:** 10.1371/journal.pone.0037053 **Published:** MAY 16 2012

Accession Number: WOS:000305341300058

PubMed ID: 22615887

ISSN: 1932-6203

Record 16 of 23

Title: A simple protocol for Matrix Assisted Laser Desorption Ionization- time of flight-mass spectrometry (MALDI-TOF-MS) analysis of lipids and proteins in single microsamples of paintings

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICA CHIMICA ACTA **Volume:** 718 **Pages:** 1-10 **DOI:** 10.1016/j.aca.2011.12.056 **Published:** MAR 9 2012

Accession Number: WOS:000301310700001

PubMed ID: 22305892

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Calvano, Cosima Damiana		0000-0001-8832-7072
Sabbatini, Luigia		0000-0002-5099-2242

ISSN: 0003-2670

Record 17 of 23

Title: Collagen-based proteinaceous binder-pigment interaction study under UV ageing conditions by MALDI-TOF-MS and principal component analysis

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Kuckova, S (Kuckova, Stepanka); Rodriguez-Navarro, A (Rodriguez-Navarro, Alejandro); Cardell, C (Cardell, Carolina)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 47 **Issue:** 3 **Pages:** 322-330 **DOI:** 10.1002/jms.2966 **Published:** MAR 2012

Accession Number: WOS:000301575200007

PubMed ID: 22431458

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Romero-Pastor, Julia	L-7941-2014	0000-0003-0058-5590

ISSN: 1076-5174

Record 18 of 23

Title: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA)

Author(s): Fremout, W (Fremout, Wim); Kuckova, S (Kuckova, Stepanka); Crhova, M (Crhova, Michaela); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan); Vandenabeele, P (Vandenabeele, Peter); Moens, L (Moens, Luc)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 11 **Pages:** 1631-1640 **DOI:** 10.1002/rcm.5027 **Published:** JUN 15 2011

Accession Number: WOS:000290773800023

PubMed ID: 21594939

ISSN: 0951-4198

Record 19 of 23

Title: Fingerprinting of egg and oil binders in painted artworks by matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of lipid oxidation by-products

Author(s): Calvano, CD (Calvano, C. D.); van der Werf, ID (van der Werf, I. D.); Palmisano, F (Palmisano, F.); Sabbatini, L (Sabbatini, L.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 400 **Issue:** 7 **Pages:** 2229-2240 **DOI:** 10.1007/s00216-011-4919-1 **Published:** JUN 2011

Accession Number: WOS:000290801000041

PubMed ID: 21491111

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Calvano, Cosima Damiana		0000-0001-8832-7072

ISSN: 1618-2642

Record 20 of 23

Title: Spatially resolved mass spectrometry in the study of art and archaeological objects

Author(s): Spoto, G (Spoto, Giuseppe); Grasso, G (Grasso, Giuseppe)

Source: TRAC-TRENDS IN ANALYTICAL CHEMISTRY **Volume:** 30 **Issue:** 6 **Pages:** 856-863 **DOI:** 10.1016/j.trac.2011.01.016 **Published:** JUN 2011

Accession Number: WOS:000291903900015

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Grasso, Giuseppe	E-3893-2010	0000-0002-7179-4835

ISSN: 0165-9936

Record 21 of 23

Title: Dealing with the identification of protein species in ancient amphorae

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Casasola, DB (Bernal Casasola,

Dario); Bonifay, M (Bonifay, Michel); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 399 **Issue:** 9 **Pages:** 3053-3063 **DOI:** 10.1007/s00216-010-4218-2 **Published:** MAR 2011

Accession Number: WOS:000287703000016

PubMed ID: 20890751

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 1618-2642

Record 22 of 23

Title: Proteomic Quantification of Disulfide-Linked Polymers in Raw and Heated Bovine Milk

Author(s): Chevalier, F (Chevalier, Francois); Kelly, AL (Kelly, Alan L.)

Source: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY **Volume:** 58 **Issue:** 12 **Pages:** 7437-7444 **DOI:** 10.1021/jf1010879 **Published:** JUN 23 2010

Accession Number: WOS:000278704000047

PubMed ID: 20504025

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Chevalier, Francois	B-1714-2010	0000-0002-8488-2324

ISSN: 0021-8561

eISSN: 1520-5118

Record 23 of 23

Title: Improved procedure for protein binder analysis in mural painting by LC-ESI/Q-q-TOF mass spectrometry: detection of different milk species by casein proteotypic peptides

Author(s): Chambery, A (Chambery, Angela); Di Maro, A (Di Maro, Antimo); Sanges, C (Sanges, Carmen); Severino, V (Severino, Valeria); Tarantino, M (Tarantino, Maura); Lamberti, A (Lamberti, Annalisa); Parente, A (Parente, Augusto); Arcari, P (Arcari, Paolo)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2281-2291 **DOI:** 10.1007/s00216-009-3183-0 **Published:** DEC 2009

Accession Number: WOS:000272017000036

PubMed ID: 19898838

27. Kuckova S., Hynek R., Kodicek M.: Application of peptide mass mapping on proteins in historical mortars. *Journal of Cultural Heritage* 10, 244-247 (2009). IF 1,533; SCI 18.

Record 1 of 18

Title: Immunological detection of denatured proteins as a method for rapid identification of food residues on archaeological pottery

Author(s): Pavelka, J (Pavelka, Jaroslav); Smejda, L (Smejda, Ladislav); Hynek, R (Hynek, Radovan); Kuckova, SH (Kuckova, Stepanka Hrdlickova)

Source: JOURNAL OF ARCHAEOLOGICAL SCIENCE **Volume:** 73 **Pages:** 25-35 **DOI:** 10.1016/j.jas.2016.07.004 **Published:** SEP 2016

Accession Number: WOS:000383525300003

ISSN: 0305-4403

eISSN: 1095-9238

Record 2 of 18

Title: Multi-analytical approach to the material characterization of 16th century wall paintings from Ribeira Sacra (Galicia, NW Spain): Pictorial palette, technique and alterations

Author(s): Pereira-Pardo, L (Pereira-Pardo, Lucia); Gil, M (Gil, Milene); Prieto, B (Prieto, Beatriz); Silva, B (Silva, Benita)

Source: COLOR RESEARCH AND APPLICATION **Volume:** 41 **Issue:** 3 **Special Issue:** SI **Pages:** 263-269 **DOI:** 10.1002/col.22029 **Published:** JUN 2016

Accession Number: WOS:000374044800008

ISSN: 0361-2317

eISSN: 1520-6378

Record 3 of 18

Title: TECHNOLOGY OF MEDIEVAL MORTARS: AN INVESTIGATION INTO THE USE OF ORGANIC ADDITIVES

Author(s): Rampazzi, L (Rampazzi, L.); Colombini, MP (Colombini, M. P.); Conti, C (Conti, C.); Corti, C (Corti, C.); Lluveras-Tenorio, A (Lluveras-Tenorio, A.); Sansonetti, A (Sansonetti, A.); Zanaboni, M (Zanaboni, M.)

Source: ARCHAEOLOGY **Volume:** 58 **Issue:** 1 **Pages:** 115-130 **DOI:** 10.1111/arc.12155 **Published:** FEB 2016

Accession Number: WOS:000372924900007

Author Identifiers:

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ISSN: 0003-813X

eISSN: 1475-4754

Record 4 of 18

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

eISSN: 1520-6890

Record 5 of 18

Title: Material Research of Gilding on Medieval Polychrome Sculpture

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, MK (Crhova, Michaela Krizkova); Coufalova, L (Coufalova, Lucie); Krizova, I (Krizova, Iva); Hynek, R (Hynek, Radovan); Muralha, SV (Muralha, Solange Vanha); Schafer, S (Schafer, Stephan); Fogas, I (Fogas, Igor)

Source: CHEMICKE LISTY **Volume:** 109 **Issue:** 11 **Pages:** 864-869 **Published:** NOV 2015

Accession Number: WOS:000368261500008

ISSN: 0009-2770

eISSN: 1213-7103

Record 6 of 18

Title: Peptide mass mapping as an effective tool for historical mortar analysis

Author(s): Krizkova, MC (Krizkova, Michaela Crhova); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Santrucek, J (Santrucek, Jiri); Hynek, R (Hynek, Radovan)

Source: CONSTRUCTION AND BUILDING MATERIALS **Volume:** 50 **Pages:** 219-225 **DOI:** 10.1016/j.conbuildmat.2013.09.059 **Published:** JAN 15 2014

Accession Number: WOS:000330489200026

ISSN: 0950-0618

Record 7 of 18

Title: The structure and material composition of ossified aortic valves identified using a set of scientific methods

Author(s): Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Hynek, R (Hynek, Radovan)

Source: JOURNAL OF ASIAN EARTH SCIENCES **Volume:** 77 **Special Issue:** SI **Pages:** 311-317 **DOI:** 10.1016/j.jseas.2013.07.001 **Published:** NOV 15 2013

Accession Number: WOS:000326996800030

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Zeman, Antonin	H-2154-2014	

ISSN: 1367-9120

eISSN: 1878-5786

Record 8 of 18

Title: Application of Gas Chromatography-Mass Spectrometry for the Identification of Organic Compounds in Cultural Relics

Author(s): Wu, C (Wu Chen); Wang, LQ (Wang Li-Qin); Yang, L (Yang Lu); Ma, ZZ (Ma Zhen-Zhen)

Source: CHINESE JOURNAL OF ANALYTICAL CHEMISTRY **Volume:** 41 **Issue:** 11 **Pages:** 1773-1779 **DOI:** 10.1016/S1872-2040(13)60693-3 **Published:** NOV 2013

Accession Number: WOS:000327479300007

ISSN: 0253-3820

eISSN: 1872-2040

Record 9 of 18

Title: Innovative technique for the direct determination of proteins in calcified aortic valves

Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Hynek, R (Hynek, Radovan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 405 **Issue:** 27 **Pages:** 8781-8787 **DOI:** 10.1007/s00216-013-7306-2 **Published:** NOV 2013

Accession Number: WOS:000325823600013

PubMed ID: 23978938

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Zeman, Antonin	H-2154-2014	

ISSN: 1618-2642

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Record 10 of 18

Title: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Muralha, VS (Muralha, Vania Solange); Sandu, AV (Sandu, Andrei Victor)

Source: MICROCHEMICAL JOURNAL **Volume:** 110 **Pages:** 538-544 **DOI:** 10.1016/j.microc.2013.07.002 **Published:** SEP 2013

Accession Number: WOS:000326851200077

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Sandu, Irina D-2905-2013 0000-0002-3307-3682
ISSN: 0026-265X
eISSN: 1095-9149

Record 11 of 18

Title: Analysis of proteinaceous binding media used in Tang Dynasty polychrome pottery by MALDI-TOF-MS
Author(s): Yan, HT (Yan HongTao); An, JJ (An JingJing); Zhou, T (Zhou Tie); Li, YH (Li YuHu)
Source: CHINESE SCIENCE BULLETIN **Volume:** 58 **Issue:** 24 **Pages:** 2932-2937 **DOI:** 10.1007/s11434-013-5781-7 **Published:** AUG 2013
Accession Number: WOS:000323343800005
ISSN: 1001-6538

Record 12 of 18

Title: Organic Residues in Archaeology: The Highs and Lows of Recent Research
Author(s): Steele, V (Steele, Val)
Edited by: Armitage RA; Burton JH
Source: ARCHAEOLOGICAL CHEMISTRY VIII **Book Series:** ACS Symposium Series **Volume:** 1147 **Pages:** 89-108 **Published:** 2013
Accession Number: WOS:000326249800005
Conference Title: 12th Archaeological Chemistry Symposium at the Spring American-Chemical-Society National Meeting
Conference Date: APR 07-11, 2013
Conference Location: New Orleans, LA
Conference Sponsors: Amer Chem Soc, Div Hist Chem
ISSN: 0097-6156
ISBN: 978-0-8412-2924-2

Record 13 of 18

Title: Biomineralization of Aortic Valves
Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Velcovska, M (Velcovska, Martina); Hynek, R (Hynek, Radovan)
Source: CHEMICKÉ LISTY **Volume:** 107 **Issue:** 1 **Pages:** 54-57 **Published:** 2013
Accession Number: WOS:000314263100009
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Zeman, Antonin	H-2154-2014	

ISSN: 0009-2770

Record 14 of 18

Title: Protein identification and localization using mass spectrometry and staining tests in cross-sections of polychrome samples
Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Schafer, S (Schafer, Stephan)
Source: JOURNAL OF CULTURAL HERITAGE **Volume:** 14 **Issue:** 1 **Pages:** 31-37 **DOI:** 10.1016/j.culher.2012.03.004 **Published:** JAN-FEB 2013
Accession Number: WOS:000313741400005
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Caparica, cqfb_staff	H-2611-2013	
REQUIMTE, AL	H-9106-2013	
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1296-2074

Record 15 of 18

Title: Development of a dedicated peptide tandem mass spectral library for conservation science

Author(s): Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyova, J (Sanyova, Jana); Vandenabeele, P (Vandenabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)

Source: ANALYTICA CHIMICA ACTA **Volume:** 728 **Pages:** 39-48 **DOI:** 10.1016/j.aca.2012.03.037 **Published:** MAY 30 2012

Accession Number: WOS:000304496000006

PubMed ID: 22560279

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Deforce, Dieter	J-4725-2013	0000-0002-0635-661X

ISSN: 0003-2670

Record 16 of 18

Title: Proteinaceous binders identification in the works of art using ion-pairing free reversed-phase liquid chromatography coupled with tandem mass spectrometry

Author(s): Witkowski, B (Witkowski, Bartomiej); Biesaga, M (Biesaga, Magdalena); Gierczak, T (Gierczak, Tomasz)

Source: ANALYTICAL METHODS **Volume:** 4 **Issue:** 5 **Pages:** 1221-1228 **DOI:** 10.1039/c2ay05605d **Published:** MAY 2012

Accession Number: WOS:000303603000006

ISSN: 1759-9660

Record 17 of 18

Title: Mass Spectrometry

Author(s): Kuleff, I (Kuleff, Ivelin); Djingova, R (Djingova, Rumyana)

Edited by: Edwards H; Vandenabeele P

Source: ANALYTICAL ARCHAEOLOGY: SELECTED TOPICS **Pages:** 163-209 **DOI:** 10.1039/9781849732741-00163 **Published:** 2012

Accession Number: WOS:000327022200007

ISBN: 978-1-84973-274-1; 978-1-84973-162-1

Book DOI: 10.1039/9781849732741

Record 18 of 18

Title: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA)

Author(s): Fremout, W (Fremout, Wim); Kuckova, S (Kuckova, Stepanka); Crhova, M (Crhova, Michaela); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan); Vandenabeele, P (Vandenabeele, Peter); Moens, L (Moens, Luc)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 11 **Pages:** 1631-1640 **DOI:** 10.1002/rcm.5027 **Published:** JUN 15 2011

Accession Number: WOS:000290773800023

PubMed ID: 21594939

28. Kuckova S., Hynek R., Kodicek M.: Identification of proteinaceous binders used in artworks by MALDI-TOF mass spectrometry. *Analytical and Bioanalytical Chemistry* 388, 201-206 (2007). IF 3,436; SCI 44:

Record 1 of 44

Title: An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid MALDI-TOF mass spectra profile

Author(s): Herrera, A (Herrera, A.); Navas, N (Navas, N.); Cardell, C (Cardell, C.)

Source: TALANTA **Volume:** 155 **Pages:** 53-61 **DOI:** 10.1016/j.talanta.2016.04.006 **Published:** AUG 1 2016
Accession Number: WOS:000377840200008
PubMed ID: 27216656
ISSN: 0039-9140
eISSN: 1873-3573

Record 2 of 44

Title: The efficiency of micro-Raman spectroscopy in the analysis of complicated mixtures in modern paints: Munch's and Kupka's paintings under study

Author(s): Kosarova, V (Kosarova, Veronika); Hradil, D (Hradil, David); Hradilova, J (Hradilova, Janka); Cermakova, Z (Cermakova, Zdenka); Nemeč, I (Nemeč, Ivan); Schreiner, M (Schreiner, Manfred)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 156 **Pages:** 36-46 **DOI:** 10.1016/j.saa.2015.11.027 **Published:** MAR 5 2016

Accession Number: WOS:000369201200006

PubMed ID: 26641284

ISSN: 1386-1425

Record 3 of 44

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

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ISSN: 0009-2665

eISSN: 1520-6890

Record 4 of 44

Title: Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Rambouskova, G (Rambouskova, Gabriela); Hynek, R (Hynek, Radovan); Cejnar, P (Cejnar, Pavel); Oltrogge, D (Oltrogge, Doris); Fuchs, R (Fuchs, Robert)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 50 **Issue:** 11 **Pages:** 1270-1278 **DOI:** 10.1002/jms.3699 **Published:** NOV 2015

Accession Number: WOS:000363772300010

ISSN: 1076-5174

eISSN: 1096-9888

Record 5 of 44

Title: Interactions between inorganic pigments and rabbit skin glue in reference paint reconstructions

Author(s): Ghezzi, L (Ghezzi, Lisa); Duce, C (Duce, Celia); Bernazzani, L (Bernazzani, Luca); Bramanti, E (Bramanti, Emilia); Colombini, MP (Colombini, Maria Perla); Tine, MR (Tine, Maria Rosaria); Bonaduce, I (Bonaduce, Ilaria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 122 **Issue:** 1 **Pages:** 315-322 **DOI:** 10.1007/s10973-015-4759-x **Published:** OCT 2015

Accession Number: WOS:000361431200034

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ISSN: 1388-6150
eISSN: 1572-8943

Record 6 of 44

Title: PROTEOMICS TOOLS FOR THE CONTEMPORARY IDENTIFICATION OF PROTEINACEOUS BINDERS IN GILDED SAMPLES

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Schultz, J (Schultz, Julia); Veiga, R (Veiga, Rita); Murta, E (Murta, Elsa); Sandu, ICA (Anca Sandu, Irina Crina)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 507-518 **Published:** SEP 2015

Accession Number: WOS:000364504100007

ISSN: 2067-533X

eISSN: 2067-8223

Record 7 of 44

Title: Electrospray ionization linear trap quadrupole Orbitrap in analysis of old tempera paintings: application to nineteenth-century Orthodox icons

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 4 **Pages:** 679-692 **DOI:** 10.1255/ejms.1346 **Published:** 2015

Accession Number: WOS:000361852100005

PubMed ID: 26353990

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eISSN: 1751-6838

Record 8 of 44

Title: Application of matrix-assisted laser desorption and ionization time of flight mass spectrometry to the study of the proteinaceous binders in paint: blue paint composition in the series "The Life of Virgin" by Mons Cano (17th century) as a case study

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Rodriguez-Simon, L (Rodriguez-Simon, Luis); Lario-Simon, A (Lario-Simon, Antonio); Kuckova, S (Kuckova, Stepanka); Manzano, E (Manzano, Eloise)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 1 **Pages:** 19-26 **DOI:** 10.1255/ejms.1306 **Published:** 2015

Accession Number: WOS:000355233800003

PubMed ID: 25906031

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eISSN: 1751-6838

Record 9 of 44

Title: Identification of lipid- and protein-based binders in paintings by direct on-plate wet chemistry and matrix-assisted laser desorption ionization mass spectrometry

Author(s): Calvano, CD (Calvano, Cosima Damiana); van der Werf, ID (van der Werf, Inez Dorothe); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 407 **Issue:** 3 **Pages:** 1015-1022 **DOI:** 10.1007/s00216-014-8359-6 **Published:** JAN 2015

Accession Number: WOS:000348435600037

PubMed ID: 25433687

Author Identifiers:

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Palmisano, Francesco		0000-0003-3706-9397

ISSN: 1618-2642

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Record 10 of 44

Title: Assessment of Green Cleaning Effectiveness on Polychrome Surfaces by MALDI-TOF Mass Spectrometry and Microscopic Imaging

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Krizkova, MC (Krizkova, Michaela Crhova); Pereira, CLC (Cortes Pereira, Catarina Luisa); Hynek, R (Hynek, Radovan); Lavrova, O (Lavrova, Olga); Busani, T (Busani, Tito); Branco, LC (Branco, Luis Cobra); Sandu, ICA (Anca Sandu, Irina Crina)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 8 **Pages:** 574-585 **DOI:** 10.1002/jemt.22376 **Published:** AUG 2014

Accession Number: WOS:000340582600004

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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ISSN: 1059-910X

eISSN: 1097-0029

Record 11 of 44

Title: Identification of proteinaceous binding media for the polychrome terracotta army of Emperor Qin Shihuang by MALDI-TOF-MS

Author(s): Yan, HT (Yan, Hongtao); An, JJ (An, Jingjing); Zhou, T (Zhou, Tie); Xia, Y (Xia, Yin); Rong, B (Rong, Bo)

Source: CHINESE SCIENCE BULLETIN **Volume:** 59 **Issue:** 21 **Pages:** 2574-2581 **DOI:** 10.1007/s11434-014-0372-9 **Published:** JUL 2014

Accession Number: WOS:000338127100011

ISSN: 1001-6538

eISSN: 1861-9541

Record 12 of 44

Title: Characterisation and classification of binders used in art materials at the class and the subclass level

Author(s): Checa-Moreno, R (Checa-Moreno, R.); Manzano, E (Manzano, E.); Capitan-Vallvey, LF (Capitan-Vallvey, L. F.)

Source: ANALYTICAL METHODS **Volume:** 6 **Issue:** 12 **Pages:** 4009-4021 **DOI:** 10.1039/c4ay00444b **Published:** 2014

Accession Number: WOS:000337121800015

ISSN: 1759-9660

eISSN: 1759-9679

Record 13 of 44

Title: Identification of protein binders in artworks by MALDI-TOF/TOF tandem mass spectrometry

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: TALANTA **Volume:** 113 **Pages:** 49-61 **DOI:** 10.1016/j.talanta.2013.03.071 **Published:** SEP 15 2013

Accession Number: WOS:000320416500009

PubMed ID: 23708623

ISSN: 0039-9140

eISSN: 1873-3573

Record 14 of 44

Title: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Muralha, VS (Muralha, Vania Solange); Sandu, AV (Sandu, Andrei Victor)

Source: MICROCHEMICAL JOURNAL **Volume:** 110 **Pages:** 538-544 **DOI:** 10.1016/j.microc.2013.07.002 **Published:** SEP 2013

Accession Number: WOS:000326851200077

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Muralha, Vania	C-7018-2013	0000-0001-5488-9069
Sandu, Andrei Victor	I-9320-2012	0000-0002-9292-749X
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 0026-265X

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Record 15 of 44

Title: An innovative, interdisciplinary, and multi-technique study of gilding and painting techniques in the decoration of the main altarpiece of Miranda do Douro Cathedral (XVII-XVIIIth centuries, Portugal)

Author(s): Sandu, ICA (Anca Sandu, Irina Crina); Murta, E (Murta, Elsa); Veiga, R (Veiga, Rita); Muralha, VSF (Muralha, Vania Solange F.); Pereira, M (Pereira, Manuel); Kuckova, S (Kuckova, Stepanka); Busani, T (Busani, Tito)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 76 **Issue:** 7 **Pages:** 733-743 **DOI:** 10.1002/jemt.22224 **Published:** JUL 2013

Accession Number: WOS:000320934400009

PubMed ID: 23650028

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Pereira, Manuel	H-7288-2012	0000-0002-7932-8062

ISSN: 1059-910X

Record 16 of 44

Title: A simple and reliable methodology to detect egg white in art samples

Author(s): Gambino, M (Gambino, Michela); Cappitelli, F (Cappitelli, Francesca); Catto, C (Catto, Cristina); Carpen, A (Carpen, Aristodemo); Principi, P (Principi, Pamela); Ghezzi, L (Ghezzi, Lisa); Bonaduce, I (Bonaduce, Ilaria); Galano, E (Galano, Eugenio); Pucci, P (Pucci, Pietro); Birolo, L (Birolo, Leila); Villa, F (Villa, Federica); Forlani, F (Forlani, Fabio)

Source: JOURNAL OF BIOSCIENCES **Volume:** 38 **Issue:** 2 **Pages:** 397-408 **DOI:** 10.1007/s12038-013-9321-z **Published:** JUN 2013

Accession Number: WOS:000319153600023

PubMed ID: 23673671

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Record 17 of 44

Title: Proteomics applied to the authentication of fish glue: application to a 17th century artwork sample

Author(s): Dallongeville, S (Dallongeville, Sophie); Richter, M (Richter, Mark); Schafer, S (Schaefer, Stephan); Kuhlenthal, M (Kuehlenthal, Michael); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYST **Volume:** 138 **Issue:** 18 **Pages:** 5357-5364 **DOI:** 10.1039/c3an00786c **Published:** 2013

Accession Number: WOS:000323115200025

PubMed ID: 23877283

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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ISSN: 0003-2654

Record 18 of 44

Title: Identification of collagen-based materials in cultural heritage

Author(s): Kirby, DP (Kirby, Daniel P.); Buckley, M (Buckley, Michael); Promise, E (Promise, Ellen); Trauger, SA (Trauger, Sunia A.); Holdcraft, TR (Holdcraft, T. Rose)

Source: ANALYST **Volume:** 138 **Issue:** 17 **Pages:** 4849-4858 **DOI:** 10.1039/c3an00925d **Published:** 2013

Accession Number: WOS:000322389600022

PubMed ID: 23807214

ISSN: 0003-2654

Record 19 of 44

Title: Protein identification and localization using mass spectrometry and staining tests in cross-sections of polychrome samples

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Schafer, S (Schaefer, Stephan)

Source: JOURNAL OF CULTURAL HERITAGE **Volume:** 14 **Issue:** 1 **Pages:** 31-37 **DOI:** 10.1016/j.culher.2012.03.004 **Published:** JAN-FEB 2013

Accession Number: WOS:000313741400005

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Author	ResearcherID Number	ORCID Number
Caparica, cqfb_staff	H-2611-2013	
REQUIMTE, AL	H-9106-2013	
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1296-2074

Record 20 of 44

Title: Multi-technique chemical characterisation of a 12-13th-century painted Crucifix

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Laviano, R (Laviano, Rocco); Simonetti, A (Simonetti, Antonella); Sabbatini, L (Sabbatini, Luigia)

Source: MICROCHEMICAL JOURNAL **Volume:** 106 **Pages:** 87-94 **DOI:** 10.1016/j.microc.2012.05.011 **Published:** JAN 2013

Accession Number: WOS:000312826500012

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Sabbatini, Luigia		0000-0002-5099-2242

ISSN: 0026-265X

Record 21 of 44

Title: An Optimized Approach for Protein Residue Extraction and Identification from Ceramics After Cooking
Author(s): Barker, A (Barker, Andrew); Venables, B (Venables, Barney); Stevens, SM (Stevens, Stanley M., Jr.); Seeley, KW (Seeley, Kent W.); Wang, P (Wang, Peggy); Wolverton, S (Wolverton, Steve)
Source: JOURNAL OF ARCHAEOLOGICAL METHOD AND THEORY **Volume:** 19 **Issue:** 3 **Pages:** 407-439 **DOI:** 10.1007/s10816-011-9120-5 **Published:** SEP 2012
Accession Number: WOS:000307331400003

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Stevens Jr., Stanley	E-4120-2013	

ISSN: 1072-5369

Record 22 of 44

Title: A simple protocol for Matrix Assisted Laser Desorption Ionization- time of flight-mass spectrometry (MALDI-TOF-MS) analysis of lipids and proteins in single microsamples of paintings
Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)
Source: ANALYTICA CHIMICA ACTA **Volume:** 718 **Pages:** 1-10 **DOI:** 10.1016/j.aca.2011.12.056 **Published:** MAR 9 2012
Accession Number: WOS:000301310700001

PubMed ID: 22305892

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ISSN: 0003-2670

Record 23 of 44

Title: Collagen-based proteinaceous binder-pigment interaction study under UV ageing conditions by MALDI-TOF-MS and principal component analysis
Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Kuckova, S (Kuckova, Stepanka); Rodriguez-Navarro, A (Rodriguez-Navarro, Alejandro); Cardell, C (Cardell, Carolina)
Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 47 **Issue:** 3 **Pages:** 322-330 **DOI:** 10.1002/jms.2966 **Published:** MAR 2012
Accession Number: WOS:000301575200007

PubMed ID: 22431458

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Romero-Pastor, Julia	L-7941-2014	0000-0003-0058-5590

ISSN: 1076-5174

Record 24 of 44

Title: Laser spectroscopies for elemental and molecular analysis in art and archaeology
Author(s): Nevin, A (Nevin, Austin); Spoto, G (Spoto, Giuseppe); Anglos, D (Anglos, Demetrios)
Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 106 **Issue:** 2 **Pages:** 339-361 **DOI:** 10.1007/s00339-011-6699-z **Published:** FEB 2012
Accession Number: WOS:000299749000007

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Anglos, Demetrios	A-2548-2014	
Nevin, Austin	G-7000-2011	0000-0003-1911-1045

ISSN: 0947-8396
eISSN: 1432-0630

Record 25 of 44

Title: THE CONSERVATION OF EASEL PAINTINGS FOREWORD

Author(s): Rushfield, R (Rushfield, Rebecca)

Edited by: Stoner JH; Rushfield R

Source: CONSERVATION OF EASEL PAINTINGS **Book Series:** Routledge Series in Conservation and Museology **Pages:** XXXVI+ **Published:** 2012

Accession Number: WOS:000321677000001

ISBN: 978-0-08-094169-1; 978-0-7506-8199-5

Record 26 of 44

Title: Elemental labeling for the identification of proteinaceous-binding media in art works by ICP-MS

Author(s): Crotti, S (Crotti, S.); Granzotto, C (Granzotto, C.); Cairns, WRL (Cairns, W. R. L.); Cescon, P (Cescon, P.); Barbante, C (Barbante, C.)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 46 **Issue:** 12 **Pages:** 1297-1303 **DOI:** 10.1002/jms.2021 **Published:** DEC 2011

Accession Number: WOS:000298601000014

PubMed ID: 22223422

ISSN: 1076-5174

Record 27 of 44

Title: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA)

Author(s): Fremout, W (Fremout, Wim); Kuckova, S (Kuckova, Stepanka); Crhova, M (Crhova, Michaela); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan); Vandabeele, P (Vandabeele, Peter); Moens, L (Moens, Luc)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 11 **Pages:** 1631-1640 **DOI:** 10.1002/rcm.5027 **Published:** JUN 15 2011

Accession Number: WOS:000290773800023

PubMed ID: 21594939

ISSN: 0951-4198

Record 28 of 44

Title: Fingerprinting of egg and oil binders in painted artworks by matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of lipid oxidation by-products

Author(s): Calvano, CD (Calvano, C. D.); van der Werf, ID (van der Werf, I. D.); Palmisano, F (Palmisano, F.); Sabbatini, L (Sabbatini, L.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 400 **Issue:** 7 **Pages:** 2229-2240 **DOI:** 10.1007/s00216-011-4919-1 **Published:** JUN 2011

Accession Number: WOS:000290801000041

PubMed ID: 21491111

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Sabbatini, Luigia		0000-0002-5099-2242
Palmisano, Francesco		0000-0003-3706-9397
Calvano, Cosima Damiana		0000-0001-8832-7072

ISSN: 1618-2642

Record 29 of 44

Title: Spatially resolved mass spectrometry in the study of art and archaeological objects

Author(s): Spoto, G (Spoto, Giuseppe); Grasso, G (Grasso, Giuseppe)

Source: TRAC-TRENDS IN ANALYTICAL CHEMISTRY **Volume:** 30 **Issue:** 6 **Pages:** 856-863 **DOI:** 10.1016/j.trac.2011.01.016 **Published:** JUN 2011

Accession Number: WOS:000291903900015

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
Grasso, Giuseppe E-3893-2010 0000-0002-7179-4835
ISSN: 0165-9936

Record 30 of 44

Title: Evaluation of microwave-assisted enzymatic digestion and tandem mass spectrometry for the identification of protein residues from an inorganic solid matrix: implications in archaeological research

Author(s): Stevens, SM (Stevens, Stanley M.); Wolverson, S (Wolverson, Steve); Venables, B (Venables, Barney); Barker, A (Barker, Andrew); Seeley, KW (Seeley, Kent W.); Adhikari, P (Adhikari, Prem)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 396 **Issue:** 4 **Pages:** 1491-1499 **DOI:** 10.1007/s00216-009-3341-4 **Published:** FEB 2010

Accession Number: WOS:000274140500014

PubMed ID: 20052580

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
Stevens Jr., Stanley E-4120-2013
ISSN: 1618-2642

Record 31 of 44

Title: Tryptic peptide analysis of protein binders in works of art by liquid chromatography-tandem mass spectrometry

Author(s): Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyvova, J (Sanyvova, Jana); Vandenabeele, P (Vandenabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)

Source: ANALYTICA CHIMICA ACTA **Volume:** 658 **Issue:** 2 **Pages:** 156-162 **DOI:** 10.1016/j.aca.2009.11.010 **Published:** JAN 25 2010

Accession Number: WOS:000273802300007

PubMed ID: 20103089

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
Deforce, Dieter J-4725-2013 0000-0002-0635-661X
ISSN: 0003-2670

Record 32 of 44

Title: Preparation by Prato Reaction and UV- Characterization of Several Fulleropyrrolidines

Author(s): Gomez, MAJ (Jimenez Gomez, M. A.); Castanon, MG (Garza Castanon, Mauricio); Kharissova, OV (Kharissova, O., V); Kharisov, BI (Kharisov, B., I); Mendez, UO (Ortiz Mendez, U.)

Source: JOURNAL OF NANO RESEARCH **Volume:** 9 **Pages:** 69-75 **DOI:** 10.4028/www.scientific.net/JNanoR.9.69 **Published:** 2010

Accession Number: WOS:000276763000010

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
Kharisov, Boris E-3056-2013
Kharissova, Oxana E-3058-2013
ISSN: 1662-5250

Record 33 of 44

Title: Investigation of Materials Used by Edvard Munch

Author(s): Singer, B (Singer, Brian); Aslaksby, TE (Aslaksby, Trond E.); Topalova-Casadiago, B (Topalova-Casadiago, Biljana); Tveit, ES (Tveit, Eva Storevik)

Source: STUDIES IN CONSERVATION **Volume:** 55 **Issue:** 4 **Pages:** 274-292 **Published:** 2010

Accession Number: WOS:000288232600008

ISSN: 0039-3630

Record 34 of 44

Title: Spectroscopic Studies of Atypically Illuminated Medieval Hebrew Bible in Comparison to a XV Century Western Manuscript

Author(s): Gruchalska, A (Gruchalska, Agnieszka); Rogulska, A (Rogulska, Anna); Rusek, G (Rusek, Grzegorz); Lydzba-Kopczynska, BI (Lydzba-Kopczynska, Barbara I.)

Edited by: Champion PM; Ziegler LD

Source: XXII INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY **Book Series:** AIP Conference Proceedings **Volume:** 1267 **Pages:** 238-239 **Published:** 2010

Accession Number: WOS:000281210900131

Conference Title: 22nd International Conference on Raman Spectroscopy

Conference Date: AUG 08-13, 2010

Conference Location: Boston, MA

Conference Sponsors: NE Univ, Boston Univ & Photon Ctr, Horiba Sci, Thermo Sci, Bruker Opt

ISSN: 0094-243X

ISBN: 978-0-7354-0818-0

Record 35 of 44

Title: Micro-analytical evidence of origin and degradation of copper pigments found in Bohemian Gothic murals

Author(s): Svarcova, S (Svarcova, Silvie); Hradil, D (Hradil, David); Hradilova, J (Hradilova, Janka); Koci, E (Koci, Eva); Bezdicka, P (Bezdicka, Petr)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2037-2050 **DOI:** 10.1007/s00216-009-3144-7 **Published:** DEC 2009

Accession Number: WOS:000272017000012

PubMed ID: 19813007

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Hradil, David	G-6201-2014	
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Bezdicka, Petr	G-5948-2014	
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ISSN: 1618-2642

Record 36 of 44

Title: Proteomic strategies for the identification of proteinaceous binders in paintings

Author(s): Leo, G (Leo, Gabriella); Cartechini, L (Cartechini, Laura); Pucci, P (Pucci, Piero); Sgamellotti, A (Sgamellotti, Antonio); Marino, G (Marino, Gennaro); Birolo, L (Birolo, Leila)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2269-2280 **DOI:** 10.1007/s00216-009-3185-y **Published:** DEC 2009

Accession Number: WOS:000272017000035

PubMed ID: 19806345

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Cartechini, Laura	C-6067-2009	0000-0001-9834-0801
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PUCCI, Pietro		0000-0002-5885-1495
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ISSN: 1618-2642

Record 37 of 44

Title: Improved procedure for protein binder analysis in mural painting by LC-ESI/Q-q-TOF mass spectrometry: detection of different milk species by casein proteotypic peptides

Author(s): Chambery, A (Chambery, Angela); Di Maro, A (Di Maro, Antimo); Sanges, C (Sanges, Carmen); Severino, V (Severino, Valeria); Tarantino, M (Tarantino, Maura); Lamberti, A (Lamberti, Annalisa); Parente, A (Parente, Augusto); Arcari, P (Arcari, Paolo)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2281-2291 **DOI:** 10.1007/s00216-009-3183-0 **Published:** DEC 2009

Accession Number: WOS:000272017000036

PubMed ID: 19898838

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
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Chambery, Angela 0000-0002-5136-0941
Di Maro, Antimo 0000-0002-9595-9665
ISSN: 1618-2642

Record 38 of 44

Title: Towards proteomic analysis of milk proteins in historical building materials

Author(s): Kuckova, S (Kuckova, S.); Crhova, M (Crhova, M.); Vankova, L (Vankova, L.); Hnizda, A (Hnizda, A.); Hynek, R (Hynek, R.); Kodicek, M (Kodicek, M.)

Source: INTERNATIONAL JOURNAL OF MASS SPECTROMETRY **Volume:** 284 **Issue:** 1-3 **Pages:** 42-46 **DOI:** 10.1016/j.ijms.2009.01.011 **Published:** JUL 1 2009

Accession Number: WOS:000268059100006

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
Hnizda, Ales H-9433-2014
ISSN: 1387-3806

Record 39 of 44

Title: Identification of protein binders in works of art by high-performance liquid chromatography-diode array detector analysis of their tryptic digests

Author(s): Fremout, W (Fremout, Wim); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Vandenaabeele, P (Vandenaabeele, Peter); Moens, L (Moens, Luc)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 393 **Issue:** 8 **Pages:** 1991-1999 **DOI:** 10.1007/s00216-009-2686-z **Published:** APR 2009

Accession Number: WOS:000264697900021

PubMed ID: 19259647

Conference Title: 15th Biennial Conference on Applied Surface Analysis

Conference Date: SEP 08-10, 2008

Conference Location: Soest, GERMANY

Conference Sponsors: Inst Technol Wissenstransfer TWS, Univ Appl Sci S Westphalia, Deutsch Vakuum Gesell, Deutsch Phys Gesell, Fachverband Mikrosonden, Osterreich Gesell Mikrochem & Analy Chem, GOCh, Deutsch Arbeitskreis Angewandte Spektroskop, DASp GDCh-Fachgruppe Analy Chem, European Microbeam Anal Soc, EMAS, SCADEG Sekt Strukturelle & Chem Dunnsch & Grenzflächenanaly Kgl, Niederland Chem Vereinig, Schweizer Arbeits Gemeinsch Oberfläch & Grenzfläch SAOG, Deutsch Verband Mat Forsch & Prof DVM, Verein Deutsch Eisenhüttenleute VDEh

ISSN: 1618-2642

Record 40 of 44

Title: Identification of proteins in painting cross-sections by immunofluorescence microscopy

Author(s): Vagnini, M (Vagnini, M.); Pitzurra, L (Pitzurra, L.); Cartechini, L (Cartechini, L.); Miliani, C (Miliani, C.); Brunetti, BG (Brunetti, B. G.); Sgamellotti, A (Sgamellotti, A.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 392 **Issue:** 1-2 **Pages:** 57-64 **DOI:** 10.1007/s00216-008-2041-9 **Published:** SEP 2008

Accession Number: WOS:000258554300010

PubMed ID: 18392811

Author Identifiers:

Author **ResearcherID Number** **ORCID Number**
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miliani, costanza O-2888-2015 0000-0001-6091-9922
Pitzurra, Lucia 0000-0002-6866-7982

ISSN: 1618-2642

Record 41 of 44

Title: The analysis of naturally and artificially aged protein-based paint media using Raman spectroscopy combined with Principal Component Analysis

Author(s): Nevin, A (Nevin, Austin); Osticioli, I (Osticioli, Iacopo); Anglos, D (Anglos, Demetrios); Burnstock, A (Burnstock, Aviva); Cather, S (Cather, Sharon); Castellucci, E (Castellucci, Emilio)

Source: JOURNAL OF RAMAN SPECTROSCOPY **Volume:** 39 **Issue:** 8 **Pages:** 993-1000 **DOI:** 10.1002/jrs.1951 **Published:** AUG 2008

Accession Number: WOS:000259242100006

Conference Title: 4th International Conference on the Application of Raman Spectroscopy in Art and Archaeology

Conference Date: SEP 05-08, 2007

Conference Location: Modena, ITALY

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Anglos, Demetrios	A-2548-2014	
Osticioli, Iacopo	N-6539-2015	0000-0002-5357-8346
Nevin, Austin	G-7000-2011	0000-0003-1911-1045

ISSN: 0377-0486

Record 42 of 44

Title: Novel analytical methods for characterising binding media and protective coatings in artworks

Author(s): Domenech-Carbo, MT (Domenech-Carbo, Maria Teresa)

Source: ANALYTICA CHIMICA ACTA **Volume:** 621 **Issue:** 2 **Pages:** 109-139 **DOI:** 10.1016/j.aca.2008.05.056 **Published:** JUL 28 2008

Accession Number: WOS:000257941300002

PubMed ID: 18573376

ISSN: 0003-2670

Record 43 of 44

Title: Atmospheric Pressure Laser Desorption Mass Spectrometry based methods for the study of traditional painting materials

Author(s): Licciardello, MP (Licciardello, M. P.); D'Agata, R (D'Agata, R.); Grasso, G (Grasso, G.); Simone, S (Simone, S.); Spoto, G (Spoto, G.)

Edited by: Castillejo M; Moreno P; Oujja M; Radvan R; Ruiz J

Source: LASERS IN THE CONSERVATION OF ARTWORKS **Pages:** 67-72 **DOI:** 10.1201/9780203882085.ch11 **Published:** 2008

Accession Number: WOS:000266158600011

Conference Title: 7th International Conference on Lasers in the Conservation of Artworks

Conference Date: SEP 17-21, 2007

Conference Location: Madrid, SPAIN

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Grasso, Giuseppe	E-3893-2010	0000-0002-7179-4835

ISBN: 978-0-415-47596-9

Record 44 of 44

Title: The use of atmospheric pressure laser desorption mass spectrometry for the study of iron-gall ink

Author(s): D'agata, R (D'agata, R.); Grasso, G (Grasso, G.); Parlato, S (Parlato, S.); Simone, S (Simone, S.); Spoto, G (Spoto, G.)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 89 **Issue:** 1 **Pages:** 91-95 **DOI:** 10.1007/s00339-007-4171-x **Published:** OCT 2007

Accession Number: WOS:000248830500014

29. **Hynek R.**, Svensson B., Jensen O.N., Barkholt V., Finnie C.: Enrichment and identification of integral membrane proteins from barley aleurone layers by reversed-phase chromatography, SDS-PAGE and LC-MS/MS. *Journal of Proteome Research* 5, 3105-3113 (2006). IF 4,173; SCI 28.

Record 1 of 28

Title: Barley germination: Spatio-temporal considerations for designing and interpreting 'omics' experiments

Author(s): Daneri-Castro, SN (Daneri-Castro, Sergio N.); Svensson, B (Svensson, Birte); Roberts, TH (Roberts, Thomas H.)

Source: JOURNAL OF CEREAL SCIENCE **Volume:** 70 **Pages:** 29-37 **DOI:** 10.1016/j.jcs.2016.05.012 **Published:** JUL 2016

Accession Number: WOS:000381950600006

ISSN: 0733-5210

eISSN: 1095-9963

Record 2 of 28

Title: Gel-based and gel-free search for plasma membrane proteins in chickpea (*Cicer arietinum* L.) augments the comprehensive data sets of membrane protein repertoire

Author(s): Barua, P (Barua, Pragya); Subba, P (Subba, Pratigya); Lande, NV (Lande, Nilesh Vikram); Mangalparthi, KK (Mangalparthi, Kiran K.); Prasad, TSK (Prasad, T. S. Keshava); Chakraborty, S (Chakraborty, Subhra); Chakraborty, N (Chakraborty, Niranjana)

Source: JOURNAL OF PROTEOMICS **Volume:** 143 **Special Issue:** SI **Pages:** 199-208 **DOI:** 10.1016/j.jprot.2016.04.015 **Published:** JUN 30 2016

Accession Number: WOS:000381231400019

PubMed ID: 27109347

ISSN: 1874-3919

eISSN: 1876-7737

Record 3 of 28

Title: Advances in plant proteomics toward improvement of crop productivity and stress resistance

Author(s): Hu, JJ (Hu, Junjie); Rampitsch, C (Rampitsch, Christof); Bykova, NV (Bykova, Natalia V.)

Source: FRONTIERS IN PLANT SCIENCE **Volume:** 6 **Article Number:** 209 **DOI:** 10.3389/fpls.2015.00209 **Published:** APR 14 2015

Accession Number: WOS:000353577500001

PubMed ID: 25926838

ISSN: 1664-462X

Record 4 of 28

Title: HPLC Bottom-Up MS-Based Proteomics for Mapping of Specific Proteins in Several European Spring Barley Varieties

Author(s): Flodrova, D (Flodrova, Dana); Benkovska, D (Benkovska, Dagmar); Lastovickova, M (Lastovickova, Marketa); Bobalova, J (Bobalova, Janette)

Source: JOURNAL OF THE AMERICAN SOCIETY OF BREWING CHEMISTS **Volume:** 73 **Issue:** 1 **Pages:** 71-77 **DOI:** 10.1094/ASBCJ-2015-0107-01 **Published:** 2015

Accession Number: WOS:000350833800007

ISSN: 0361-0470

eISSN: 1943-7854

Record 5 of 28

Title: The dynamic behavior of storage organelles in developing cereal seeds and its impact on the production of recombinant proteins

Author(s): Arcalis, E (Arcalis, Elsa); Ibl, V (Ibl, Verena); Peters, J (Peters, Jenny); Melnik, S (Melnik, Stanislav); Stoger, E (Stoger, Eva)

Source: FRONTIERS IN PLANT SCIENCE **Volume:** 5 **Article Number:** 439 **DOI:**

10.3389/fpls.2014.00439 **Published:** SEP 3 2014

Accession Number: WOS:000343157500001

PubMed ID: 25232360

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Ibl, Verena		0000-0002-4612-1313

ISSN: 1664-462X

Record 6 of 28

Title: Gibberellic Acid-Induced Aleurone Layers Responding to Heat Shock or Tunicamycin Provide Insight into the N-Glycoproteome, Protein Secretion, and Endoplasmic Reticulum Stress

Author(s): Barba-Espin, G (Barba-Espin, Gregorio); Dedvisitsakul, P (Dedvisitsakul, Plaipol); Hagglund, P (Hagglund, Per); Svensson, B (Svensson, Birte); Finnie, C (Finnie, Christine)

Source: PLANT PHYSIOLOGY **Volume:** 164 **Issue:** 2 **Pages:** 951-965 **DOI:** 10.1104/pp.113.233163 **Published:** FEB 2014

Accession Number: WOS:000331132300035

PubMed ID: 24344171

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Barba-Espin, Gregorio	G-5331-2011	0000-0001-9229-9668
Hagglund, Per		0000-0002-6627-7518
Finnie, Christine		0000-0003-0657-5174

ISSN: 0032-0889

eISSN: 1532-2548

Record 7 of 28

Title: MS based proteomic approaches for analysis of barley malt

Author(s): Lastovickova, M (Lastovickova, Marketa); Bobalova, J (Bobalova, Janette)

Source: JOURNAL OF CEREAL SCIENCE **Volume:** 56 **Issue:** 3 **Pages:** 519-530 **DOI:** 10.1016/j.jcs.2012.07.013 **Published:** NOV 2012

Accession Number: WOS:000311594700001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Bobalova, Janette	H-6244-2014	
Lastovickova, Marketa	H-7070-2014	

ISSN: 0733-5210

Record 8 of 28

Title: Improving the Comprehensiveness and Sensitivity of Sheath less Capillary Electrophoresis-Tandem Mass Spectrometry for Proteomic Analysis

Author(s): Wang, Y (Wang, Yueju); Fonslow, BR (Fonslow, Bryan R.); Wong, CCL (Wong, Catherine C. L.); Nakorchevsky, A (Nakorchevsky, Aleksey); Yates, JR (Yates, John R., III)

Source: ANALYTICAL CHEMISTRY **Volume:** 84 **Issue:** 20 **Pages:** 8505-8513 **DOI:** 10.1021/ac301091m **Published:** OCT 16 2012

Accession Number: WOS:000309805200013

PubMed ID: 23004022

ISSN: 0003-2700

eISSN: 1520-6882

Record 9 of 28

Title: Plasma membrane H⁺-ATPase gene expression, protein level and activity in growing and non-growing regions of barley (*Hordeum vulgare*) leaves

Author(s): Visnovitz, T (Visnovitz, Tamas); Solti, A (Solti, Adam); Csikos, G (Csikos, Gyoergy); Fricke, W (Fricke, Wieland)

Source: PHYSIOLOGIA PLANTARUM **Volume:** 144 **Issue:** 4 **Pages:** 382-393 **DOI:** 10.1111/j.1399-3054.2012.01578.x **Published:** APR 2012

Accession Number: WOS:000301486400007

PubMed ID: 22257033

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Solti, Adam K	3025-2014	0000-0003-1479-5492

ISSN: 0031-9317

Record 10 of 28

Title: Challenges and solutions for the identification of membrane proteins in non-model plants

Author(s): Vertommen, A (Vertommen, A.); Panis, B (Panis, B.); Swennen, R (Swennen, R.); Carpentier, SC (Carpentier, S. C.)

Source: JOURNAL OF PROTEOMICS **Volume:** 74 **Issue:** 8 **Special Issue:** SI **Pages:** 1165-1181 **DOI:** 10.1016/j.jprot.2011.02.016 **Published:** AUG 12 2011

Accession Number: WOS:000294591500002

PubMed ID: 21354347

ISSN: 1874-3919

eISSN: 1876-7737

Record 11 of 28

Title: A workflow for peptide-based proteomics in a poorly sequenced plant: A case study on the plasma membrane proteome of banana

Author(s): Vertommen, A (Vertommen, A.); Moller, ALB (Moller, A. L. B.); Cordewener, JHG (Cordewener, J. H. G.); Swennen, R (Swennen, R.); Panis, B (Panis, B.); Finnie, C (Finnie, C.); America, AHP (America, A. H. P.); Carpentier, SC (Carpentier, S. C.)

Source: JOURNAL OF PROTEOMICS **Volume:** 74 **Issue:** 8 **Special Issue:** SI **Pages:** 1218-1229 **DOI:** 10.1016/j.jprot.2011.02.008 **Published:** AUG 12 2011

Accession Number: WOS:000294591500006

PubMed ID: 21334471

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1874-3919

Record 12 of 28

Title: Recent progress in liquid chromatography-based separation and label-free quantitative plant proteomics

Author(s): Matros, A (Matros, A.); Kaspar, S (Kaspar, S.); Witzel, K (Witzel, K.); Mock, HP (Mock, H-P)

Source: PHYTOCHEMISTRY **Volume:** 72 **Issue:** 10 **Special Issue:** SI **Pages:** 963-974 **DOI:** 10.1016/j.phytochem.2010.11.009 **Published:** JUL 2011

Accession Number: WOS:000292536100002

PubMed ID: 21176926

ISSN: 0031-9422

Record 13 of 28

Title: Phylogeny, topology, structure and functions of membrane-bound class III peroxidases in vascular plants

Author(s): Luthje, S (Luthje, Sabine); Meisrimler, CN (Meisrimler, Claudia-Nicole); Hopff, D (Hopff, David); Moller, B (Moeller, Benjamin)

Source: PHYTOCHEMISTRY **Volume:** 72 **Issue:** 10 **Special Issue:** SI **Pages:** 1124-1135 **DOI:** 10.1016/j.phytochem.2010.11.023 **Published:** JUL 2011

Accession Number: WOS:000292536100014

PubMed ID: 21211808

ISSN: 0031-9422

Record 14 of 28

Title: From protein catalogues towards targeted proteomics approaches in cereal grains

Author(s): Finnie, C (Finnie, Christine); Sultan, A (Sultan, Abida); Grasser, KD (Grasser, Klaus D.)

Source: PHYTOCHEMISTRY **Volume:** 72 **Issue:** 10 **Special Issue:** SI **Pages:** 1145-1153 **DOI:** 10.1016/j.phytochem.2010.11.014 **Published:** JUL 2011

Accession Number: WOS:000292536100016

PubMed ID: 21134685

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 0031-9422

Record 15 of 28

Title: Proteomes of the barley aleurone layer: A model system for plant signalling and protein secretion

Author(s): Finnie, C (Finnie, Christine); Andersen, B (Andersen, Birgit); Shahpiri, A (Shahpiri, Azar); Svensson, B (Svensson, Birte)

Source: PROTEOMICS **Volume:** 11 **Issue:** 9 **Special Issue:** SI **Pages:** 1595-1605 **DOI:** 10.1002/pmic.201000656 **Published:** MAY 2011

Accession Number: WOS:000290051000005

PubMed ID: 21433287

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1615-9853

Record 16 of 28

Title: Mapping of quantitative trait loci associated with protein expression variation in barley grains

Author(s): Witzel, K (Witzel, Katja); Pietsch, C (Pietsch, Christof); Strickert, M (Strickert, Marc); Matros, A (Matros, Andrea); Roder, M (Roeder, Marion S.); Weschke, W (Weschke, Winfriede); Wobus, U (Wobus, Ulrich); Mock, HP (Mock, Hans-Peter)

Source: MOLECULAR BREEDING **Volume:** 27 **Issue:** 3 **Pages:** 301-314 **DOI:** 10.1007/s11032-010-9432-2 **Published:** MAR 2011

Accession Number: WOS:000287754700003

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Roder, Marion B-1448-2013		0000-0002-9313-0650

ISSN: 1380-3743

Record 17 of 28

Title: Plant Plasma Membrane Proteomics: Challenges and Possibilities

Author(s): Moller, ALB (Moller, Anders Laurell Blom); Witzel, K (Witzel, Katja); Vertommen, A (Vertommen, Annelies); Barkholt, V (Barkholt, Vibeke); Svensson, B (Svensson, Birte); Carpentier, S (Carpentier, Sebastien); Mock, HP (Mock, Hans-Peter); Finnie, C (Finnie, Christine)

Edited by: Ivanov AR; Lazarev AV

Source: SAMPLE PREPARATION IN BIOLOGICAL MASS SPECTROMETRY **Pages:** 411-434 **DOI:** 10.1007/978-94-007-0828-0_21 **Published:** 2011

Accession Number: WOS:000293148700022

ISBN: 978-94-007-0758-0

Book DOI: 10.1007/978-94-007-0828-0

Record 18 of 28

Title: A NOVEL APPROACH FOR THE DETERMINATION OF MEMBRANE PROTEIN EXPRESSION

LEVELS BASED ON LC-MS/MS

Author(s): Hynek, R (Hynek, Radovan); Marsalova, L (Marsalova, Lucie); Kuckova, S (Kuckova, Stepanka); Konik, P (Konik, Peter); Santrucek, J (Santrucek, Jiri); Martinec, J (Martinec, Jan); Novotna, Z (Novotna, Zuzana); Kodicek, M (Kodicek, Milan)

Source: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES **Volume:** 34 **Issue:** 12 **Pages:** 1004-1013 **Article Number:** PII 938694780 **DOI:** 10.1080/10826076.2011.569808 **Published:** 2011

Accession Number: WOS:000291807100005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Martinec, Jan F	4147-2014	0000-0002-5675-1706

ISSN: 1082-6076

Record 19 of 28

Title: Multi-dimensional liquid chromatography in proteomics-A review

Author(s): Zhang, X (Zhang, Xiang); Fang, AQ (Fang, Aiqin); Riley, CP (Riley, Catherine P.); Wang, M (Wang, Mu); Regnier, FE (Regnier, Fred E.); Buck, C (Buck, Charles)

Source: ANALYTICA CHIMICA ACTA **Volume:** 664 **Issue:** 2 **Pages:** 101-113 **DOI:** 10.1016/j.aca.2010.02.001 **Published:** APR 7 2010

Accession Number: WOS:000277630300001

PubMed ID: 20363391

ISSN: 0003-2670

eISSN: 1873-4324

Record 20 of 28

Title: Analysis of Plasma Membrane Proteome in Soybean and Application to Flooding Stress Response

Author(s): Komatsu, S (Komatsu, Setsuko); Wada, T (Wada, Takuya); Abalea, Y (Abalea, Yann); Nouri, MZ (Nouri, Mohammad-Zaman); Nanjo, Y (Nanjo, Yohei); Nakayama, N (Nakayama, Norikazu); Shimamura, S (Shimamura, Satoshi); Yamamoto, R (Yamamoto, Ryo); Nakamura, T (Nakamura, Takuji); Furukawa, K (Furukawa, Kiyoshi)

Source: JOURNAL OF PROTEOME RESEARCH **Volume:** 8 **Issue:** 10 **Pages:** 4487-4499 **DOI:** 10.1021/pr9002883 **Published:** OCT 2009

Accession Number: WOS:000270353900009

PubMed ID: 19658398

ISSN: 1535-3893

Record 21 of 28

Title: The plasma membrane proteome of germinating barley embryos

Author(s): Hynek, R (Hynek, Radovan); Svensson, B (Svensson, Birte); Jensen, ON (Jensen, Ole Norregaard); Barkholt, V (Barkholt, Vibeke); Finnie, C (Finnie, Christine)

Source: PROTEOMICS **Volume:** 9 **Issue:** 14 **Pages:** 3787-3794 **DOI:** 10.1002/pmic.200800745 **Published:** JUL 2009

Accession Number: WOS:000268971000016

PubMed ID: 19639596

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Jensen, Ole	J-1763-2012	0000-0003-1862-8528
Finnie, Christine		0000-0003-0657-5174

ISSN: 1615-9853

Record 22 of 28

Title: From Proteomics to Structural Studies of Cytosolic/Mitochondrial-Type Thioredoxin Systems in Barley Seeds

Author(s): Shahpiri, A (Shahpiri, Azar); Svensson, B (Svensson, Birte); Finnie, C (Finnie, Christine)

Source: MOLECULAR PLANT **Volume:** 2 **Issue:** 3 **Pages:** 378-389 **DOI:** 10.1093/mp/ssn096 **Published:** MAY 2009

Accession Number: WOS:000266353600003

PubMed ID: 19825623

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1674-2052

Record 23 of 28

Title: Barley seed proteomics from spots to structures

Author(s): Finnie, C (Finnie, Christine); Svensson, B (Svensson, Birte)

Source: JOURNAL OF PROTEOMICS **Volume:** 72 **Issue:** 3 **Pages:** 315-324 **DOI:** 10.1016/j.jprot.2008.12.001 **Published:** APR 13 2009

Accession Number: WOS:000265804800003

PubMed ID: 19118654

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 1874-3919

Record 24 of 28

Title: Isolation of the wheat aleurone layer for 2D electrophoresis and proteomics analysis

Author(s): Laubin, B (Laubin, B.); Lullien-Pellerin, V (Lullien-Pellerin, V.); Nadaud, I (Nadaud, I.); Gaillard-Martinie, B (Gaillard-Martinie, B.); Chambon, C (Chambon, C.); Branlard, G (Branlard, G.)

Source: JOURNAL OF CEREAL SCIENCE **Volume:** 48 **Issue:** 3 **Pages:** 709-714 **DOI:** 10.1016/j.jcs.2008.03.004 **Published:** NOV 2008

Accession Number: WOS:000261087300021

ISSN: 0733-5210

eISSN: 1095-9963

Record 25 of 28

Title: The NADPH-dependent thioredoxin reductase/thioredoxin system in germinating barley seeds: Gene expression, protein profiles, and interactions between isoforms of thioredoxin h and thioredoxin reductase

Author(s): Shahpiri, A (Shahpiri, Azar); Svensson, B (Svensson, Birte); Finnie, C (Finnie, Christine)

Source: PLANT PHYSIOLOGY **Volume:** 146 **Issue:** 2 **Pages:** 789-799 **DOI:** 10.1104/pp.107.113639 **Published:** FEB 2008

Accession Number: WOS:000252892700039

PubMed ID: 18162587

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Finnie, Christine		0000-0003-0657-5174

ISSN: 0032-0889

Record 26 of 28

Title: Plant proteome analysis: A 2006 update

Author(s): Jorriin, JV (Jorriin, Jesus V.); Maldonado, AM (Maldonado, Ana M.); Castillejo, MA (Castillejo, M. Angeles)

Source: PROTEOMICS **Volume:** 7 **Issue:** 16 **Pages:** 2947-2962 **DOI:** 10.1002/pmic.200700135 **Published:** AUG 2007

Accession Number: WOS:000249295500021

PubMed ID: 17654459

ISSN: 1615-9853

Record 27 of 28

Title: Crop proteomics: Aim at sustainable agriculture of tomorrow

Author(s): Salekdeh, GH (Salekdeh, Ghasem Hosseini); Komatsu, S (Komatsu, Setsuko)

Source: PROTEOMICS **Volume:** 7 **Issue:** 16 **Pages:** 2976-2996 **DOI:** 10.1002/pmic.200700181 **Published:** AUG 2007

Accession Number: WOS:000249295500023

PubMed ID: 17639607

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Salekdeh, Ghasem Hosseini	E-4198-2012	

ISSN: 1615-9853

Record 28 of 28

Title: Plant proton pumps

Author(s): Gaxiola, RA (Gaxiola, Roberto A.); Palmgren, MG (Palmgren, Michael G.); Schumacher, K (Schumacher, Karin)

Source: FEBS LETTERS **Volume:** 581 **Issue:** 12 **Special Issue:** SI **Pages:** 2204-2214 **DOI:** 10.1016/j.febslet.2007.03.050 **Published:** MAY 25 2007

Accession Number: WOS:000247147600002

PubMed ID: 17412324

30. Platenik J., Balcar J. V., Yoneda Y., Mioduszezewska B., Buchal R., **Hynek R.**, Kilianek L., Kuramoto N., Wilczynski G., Ogita K, Nakamura Y. and Kaczmarek L.: Apparent presence of Ser133-phosphorylated cyclic AMP response element binding protein (pCREB) in brain mitochondria is due to cross-reactivity of pCREB antibodies with pyruvate dehydrogenase. *Journal of Neurochemistry* 95, 1446-1460 (2005). IF 3,842, SCI 12.

Record 1 of 12

Title: Metabolomics of Neurotransmitters and Related Metabolites in Post-Mortem Tissue from the Dorsal and Ventral Striatum of Alcoholic Human Brain

Author(s): Kashem, MA (Kashem, Mohammed Abul); Ahmed, S (Ahmed, Selina); Sultana, N (Sultana, Nilufa); Ahmed, EU (Ahmed, Eakhlas U.); Pickford, R (Pickford, Russell); Rae, C (Rae, Caroline); Sery, O (Sery, Omar); McGregor, IS (McGregor, Iain S.); Balcar, VJ (Balcar, Vladimir J.)

Source: NEUROCHEMICAL RESEARCH **Volume:** 41 **Issue:** 1-2 **Special Issue:** SI **Pages:** 385-397 **DOI:** 10.1007/s11064-016-1830-3 **Published:** FEB 2016

Accession Number: WOS:000371412800037

PubMed ID: 26801172

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rae, Caroline	B-7537-2008	0000-0003-0673-8084
Pickford, Russell		0000-0001-8982-7618

ISSN: 0364-3190

eISSN: 1573-6903

Record 2 of 12

Title: Betaine prevents homocysteine-induced memory impairment via matrix metalloproteinase-9 in the frontal cortex

Author(s): Kunisawa, K (Kunisawa, K.); Nakashima, N (Nakashima, N.); Nagao, M (Nagao, M.); Nomura, T (Nomura, T.); Kinoshita, S (Kinoshita, S.); Hiramatsu, M (Hiramatsu, M.)

Source: BEHAVIOURAL BRAIN RESEARCH **Volume:** 292 **Pages:** 36-43 **DOI:** 10.1016/j.bbr.2015.06.004 **Published:** OCT 1 2015

Accession Number: WOS:000361583500005

PubMed ID: 26057356

Record 3 of 12

Title: NMDA Receptors Are Upregulated and Trafficked to the Plasma Membrane after Sigma-1 Receptor Activation in the Rat Hippocampus

Author(s): Pabba, M (Pabba, Mohan); Wong, AYC (Wong, Adrian Y. C.); Ahlskog, N (Ahlskog, Nina); Hristova, E (Hristova, Elitza); Biscaro, D (Biscaro, Dante); Nassrallah, W (Nassrallah, Wissam); Ngsee, JK (Ngsee, Johnny K.); Snyder, M (Snyder, Melissa); Beique, JC (Beique, Jean-Claude); Bergeron, R (Bergeron, Richard)

Source: JOURNAL OF NEUROSCIENCE **Volume:** 34 **Issue:** 34 **Pages:** 11325-11338 **DOI:** 10.1523/JNEUROSCI.0458-14.2014 **Published:** AUG 20 2014

Accession Number: WOS:000341312600017

PubMed ID: 25143613

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Bergeron, Richard		0000-0002-5632-750X

ISSN: 0270-6474

Record 4 of 12

Title: GSK3 beta, CREB, and BDNF in peripheral blood of patients with Alzheimer's disease and depression

Author(s): Platenik, J (Platenik, Jan); Fisar, Z (Fisar, Zdenek); Buchal, R (Buchal, Richard); Jirak, R (Jirak, Roman); Kitzlerova, E (Kitzlerova, Eva); Zverova, M (Zverova, Martina); Raboch, J (Raboch, Jiri)

Source: PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY **Volume:** 50 **Pages:** 83-93 **DOI:** 10.1016/j.pnpbp.2013.12.001 **Published:** APR 3 2014

Accession Number: WOS:000330574000010

PubMed ID: 24334212

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Fisar, Zdenek		0000-0002-3389-0287

ISSN: 0278-5846

Record 5 of 12

Title: ENHANCED GABAERGIC TONE IN THE VENTRAL PALLIDUM: MEMORY OF UNPLEASANT EXPERIENCES?

Author(s): Skirzewski, M (Skirzewski, M.); Lopez, W (Lopez, W.); Mosquera, E (Mosquera, E.); Betancourt, L (Betancourt, L.); Catlow, B (Catlow, B.); Chiurillo, M (Chiurillo, M.); Loureiro, N (Loureiro, N.); Hernandez, L (Hernandez, L.); Rada, P (Rada, P.)

Source: NEUROSCIENCE **Volume:** 196 **Pages:** 131-146 **DOI:** 10.1016/j.neuroscience.2011.08.058 **Published:** NOV 24 2011

Accession Number: WOS:000296213300012

PubMed ID: 21914462

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Skirzewski, Miguel		0000-0002-0980-0878

ISSN: 0306-4522

Record 6 of 12

Title: Nociceptin and its metabolite attenuate U0126-induced memory impairment through a nociceptin opioid peptide (NOP) receptor-independent mechanism

Author(s): Miwa, M (Miwa, Masaya); Uchida, S (Uchida, Shogo); Horiba, F (Horiba, Fumika); Takeshima, H (Takeshima, Hiroshi); Nabeshima, T (Nabeshima, Toshitaka); Hiramatsu, M (Hiramatsu, Masayuki)

Source: NEUROBIOLOGY OF LEARNING AND MEMORY **Volume:** 93 **Issue:** 3 **Pages:** 396-405 **DOI:** 10.1016/j.nlm.2009.12.006 **Published:** MAR 2010

Accession Number: WOS:000276447600012

PubMed ID: 20026233

ISSN: 1074-7427

Record 7 of 12

Title: Nuclear transcription factors in mammalian mitochondria

Author(s): Leigh-Brown, S (Leigh-Brown, Sarah); Enriquez, JA (Antonio Enriquez, Jose); Odom, DT (Odom, Duncan T.)

Source: GENOME BIOLOGY **Volume:** 11 **Issue:** 7 **Article Number:** 215 **DOI:** 10.1186/gb-2010-11-7-215 **Published:** 2010

Accession Number: WOS:000283776300014

PubMed ID: 20670382

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Enriquez, Jose Antonio	M-8468-2016	0000-0002-3671-2961
Odom, Duncan		0000-0001-6201-5599

ISSN: 1474-7596

Record 8 of 12

Title: cAMP response element-binding protein (CREB) is imported into mitochondria and promotes protein synthesis

Author(s): De Rasmio, D (De Rasmio, Domenico); Signorile, A (Signorile, Anna); Roca, E (Roca, Emilio); Papa, S (Papa, Sergio)

Source: FEBS JOURNAL **Volume:** 276 **Issue:** 16 **Pages:** 4325-4333 **DOI:** 10.1111/j.1742-4658.2009.07133.x **Published:** AUG 2009

Accession Number: WOS:000268466600005

PubMed ID: 19614745

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Signorile, Anna		0000-0001-9045-891X
De Rasmio, Domenico		0000-0002-3917-2411

ISSN: 1742-464X

Record 9 of 12

Title: Differential distribution of Ca²⁺-activated potassium channel beta 4 subunit in rat brain: Immunolocalization in neuronal mitochondria

Author(s): Piwonska, M (Piwonska, M.); Wilczek, E (Wilczek, E.); Szewczyk, A (Szewczyk, A.); Wilczynski, GM (Wilczynski, G. M.)

Source: NEUROSCIENCE **Volume:** 153 **Issue:** 2 **Pages:** 446-460 **DOI:** 10.1016/j.neuroscience.2008.01.050 **Published:** MAY 2 2008

Accession Number: WOS:000255763800010

PubMed ID: 18359571

ISSN: 0306-4522

Record 10 of 12

Title: Synaptic localization of seizure-induced matrix metalloproteinase-9 mRNA

Author(s): Konopacki, FA (Konopacki, F. A.); Rylski, M (Rylski, M.); Wilczek, E (Wilczek, E.); Amborska, R (Amborska, R.); Detka, D (Detka, D.); Kaczmarek, L (Kaczmarek, L.); Wilczynski, GM (Wilczynski, G. M.)

Source: NEUROSCIENCE **Volume:** 150 **Issue:** 1 **Pages:** 31-39 **DOI:** 10.1016/j.neuroscience.2007.08.026 **Published:** NOV 30 2007

Accession Number: WOS:000251696500005

PubMed ID: 17928157

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Kaczmarek, Leszek	B-6171-2008	0000-0002-7207-3490

Record 11 of 12

Title: Restoration of CREB function is linked to completion and stabilization of adaptive cardiac hypertrophy in response to exercise

Author(s): Watson, PA (Watson, Peter A.); Reusch, JEB (Reusch, Jane E. B.); McCune, SA (McCune, Sylvia A.); Leinwand, LA (Leinwand, Leslie A.); Luckey, SW (Luckey, Stephen W.); Konhilas, JP (Konhilas, John P.); Brown, DA (Brown, David A.); Chicco, AJ (Chicco, Adam J.); Sparagna, GC (Sparagna, Genevieve C.); Long, CS (Long, Carlin S.); Moore, RL (Moore, Russell L.)

Source: AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY **Volume:** 293 **Issue:** 1 **Pages:** H246-H259 **DOI:** 10.1152/ajpheart.00734.2006 **Published:** JUL 2007

Accession Number: WOS:000247968800031

PubMed ID: 17337597

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Moore, Russell	D-1040-2013	0000-0002-6727-8985
LEINWAND, LESLIE		0000-0003-1470-4810

ISSN: 0363-6135

Record 12 of 12

Title: Does cAMP play a part in the regulation of the mitochondrial electron transport chain in mammalian cells?

Author(s): Papa, S (Papa, S)

Source: IUBMB LIFE **Volume:** 58 **Issue:** 3 **Pages:** 173-175 **DOI:** 10.1080/15216540500494516 **Published:** MAR 2006

Accession Number: WOS:000237550300008

PubMed ID: 16766385

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Title: An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid MALDI-TOF mass spectra profile

Author(s): Herrera, A (Herrera, A.); Navas, N (Navas, N.); Cardell, C (Cardell, C.)

Source: TALANTA **Volume:** 155 **Pages:** 53-61 **DOI:** 10.1016/j.talanta.2016.04.006 **Published:** AUG 1 2016

Accession Number: WOS:000377840200008

PubMed ID: 27216656

ISSN: 0039-9140

eISSN: 1873-3573

Record 2 of 42

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0009-2665

Record 3 of 42

Title: Material Research of Gilding on Medieval Polychrome Sculpture

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, MK (Crhova, Michaela Krizkova); Coufalova, L (Coufalova, Lucie); Krizova, I (Krizova, Iva); Hynek, R (Hynek, Radovan); Muralha, SV (Muralha, Solange Vanha); Schafer, S (Schafer, Stephan); Fogas, I (Fogas, Igor)

Source: CHEMICKE LISTY **Volume:** 109 **Issue:** 11 **Pages:** 864-869 **Published:** NOV 2015

Accession Number: WOS:000368261500008

ISSN: 0009-2770

eISSN: 1213-7103

Record 4 of 42

Title: A COMPARATIVE MULTI-TECHNIQUE INVESTIGATION ON MATERIAL IDENTIFICATION OF GILDING LAYERS AND THE CONSERVATION STATE OF 7 PORTUGUESE MANNERIST ALTARPIECES

Author(s): Sandu, ICA (Anca Sandu, Irina Crina); Murta, E (Murta, Elsa); Ferreira, S (Ferreira, Silvia); Pereira, MFC (Costa Pereira, Manuel F.); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Valbi, V (Valbi, Valentina); Dias, L (Dias, Luis); Prazeres, C (Prazeres, Catia); Cardoso, AM (Cardoso, Ana Margarida); Mirao, J (Mirao, Jose); Candeias, AEG (Grande Candeias, Antonio Esteveao)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 439-454 **Published:** SEP 2015

Accession Number: WOS:000364504100001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Pereira, Manuel	H-7288-2012	0000-0002-7932-8062
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Mirao, Jose		0000-0003-0103-3448

ISSN: 2067-533X

eISSN: 2067-8223

Record 5 of 42

Title: PROTEOMICS TOOLS FOR THE CONTEMPORARY IDENTIFICATION OF PROTEINACEOUS BINDERS IN GILDED SAMPLES

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Schultz, J (Schultz, Julia); Veiga, R (Veiga, Rita); Murta, E (Murta, Elsa); Sandu, ICA (Anca Sandu, Irina Crina)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 507-518 **Published:** SEP 2015

Accession Number: WOS:000364504100007

ISSN: 2067-533X

eISSN: 2067-8223

Record 6 of 42

Title: Assessment of Green Cleaning Effectiveness on Polychrome Surfaces by MALDI-TOF Mass Spectrometry and Microscopic Imaging

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Krizkova, MC (Krizkova, Michaela Crhova); Pereira, CLC (Cortes Pereira, Catarina Luisa); Hynek, R (Hynek, Radovan); Lavrova, O (Lavrova, Olga); Busani, T (Busani, Tito); Branco, LC (Branco, Luis Cobra); Sandu, ICA (Anca Sandu, Irina Crina)

Source: MICROSCOPY RESEARCH AND TECHNIQUE **Volume:** 77 **Issue:** 8 **Pages:** 574-585 **DOI:** 10.1002/jemt.22376 **Published:** AUG 2014

Accession Number: WOS:000340582600004

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Branco, Luis	C-6426-2013	0000-0003-2520-1151
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1059-910X
eISSN: 1097-0029

Record 7 of 42

Title: Analysis of Organic Dyes and Pigments Used in Works of Art by Laser Desorption Mass Spectrometry

Author(s): Krizova, I (Krizova, I.); Styblova, M (Styblova, M.); Coufalova, L (Coufalova, L.); Hynek, R (Hynek, R.); Kuckova, S (Kuckova, S.)

Source: CHEMICKE LISTY **Volume:** 108 **Issue:** 6 **Pages:** 604-609 **Published:** JUN 2014

Accession Number: WOS:000344828700008

ISSN: 0009-2770

eISSN: 1213-7103

Record 8 of 42

Title: Peptide mass mapping as an effective tool for historical mortar analysis

Author(s): Krizkova, MC (Krizkova, Michaela Crhova); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Santrucek, J (Santrucek, Jiri); Hynek, R (Hynek, Radovan)

Source: CONSTRUCTION AND BUILDING MATERIALS **Volume:** 50 **Pages:** 219-225 **DOI:** 10.1016/j.conbuildmat.2013.09.059 **Published:** JAN 15 2014

Accession Number: WOS:000330489200026

ISSN: 0950-0618

eISSN: 1879-0526

Record 9 of 42

Title: TEN YEARS OF ACTIVITY OF THE ALMA LABORATORY (2004-2014)

Author(s): Hradilova, J (Hradilova, Janka); Hradil, D (Hradil, David)

Edited by: Hradil D; Hradilova J

Source: ACTA ARTIS ACADEMICA 2014: INTERPRETATION OF FINE ART'S ANALYSES IN DIVERSE CONTEXTS **Pages:** 5-12 **Published:** 2014

Accession Number: WOS:000351115100001

Conference Title: 5th Interdisciplinary Conference of ALMA

Conference Date: NOV 20-21, 2014

Conference Location: Dominican Monastery St Giles, Prague, CZECH REPUBLIC

Conference Sponsors: Acad Mat Res Lab Painted Artworks

Conference Host: Dominican Monastery St Giles

ISBN: 978-80-87108-48-2

Record 10 of 42

Title: Infrared Microspectroscopy Applications - Review

Author(s): Bunaciu, AA (Bunaciu, Andrei A.); Fleschin, S (Fleschin, Serban); Aboul-Enein, HY (Aboul-Enein, Hassan Y.)

Source: CURRENT ANALYTICAL CHEMISTRY **Volume:** 10 **Issue:** 1 **Pages:** 132-139 **Published:** JAN 2014

Accession Number: WOS:000326245500010

ISSN: 1573-4110

eISSN: 1875-6727

Record 11 of 42

Title: Evaluation of MidIR fibre optic reflectance: Detection limit, reproducibility and binary mixture discrimination

Author(s): Sessa, C (Sessa, Clarimma); Bagan, H (Bagan, Hector); Garcia, JF (Francisco Garcia, Jose)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 115 **Pages:** 617-628 **DOI:** 10.1016/j.saa.2013.06.088 **Published:** NOV 2013

Accession Number: WOS:000324152700078

PubMed ID: 23872021

Author Identifiers:

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Bagan Navarro, Hector		0000-0002-2343-9759

ISSN: 1386-1425

Record 12 of 42

Title: Identification of protein binders in artworks by MALDI-TOF/TOF tandem mass spectrometry

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: TALANTA **Volume:** 113 **Pages:** 49-61 **DOI:** 10.1016/j.talanta.2013.03.071 **Published:** SEP 15 2013

Accession Number: WOS:000320416500009

PubMed ID: 23708623

ISSN: 0039-9140

eISSN: 1873-3573

Record 13 of 42

Title: Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Muralha, VS (Muralha, Vania Solange); Sandu, AV (Sandu, Andrei Victor)

Source: MICROCHEMICAL JOURNAL **Volume:** 110 **Pages:** 538-544 **DOI:** 10.1016/j.microc.2013.07.002 **Published:** SEP 2013

Accession Number: WOS:000326851200077

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Muralha, Vania	C-7018-2013	0000-0001-5488-9069
Sandu, Andrei Victor	I-9320-2012	0000-0002-9292-749X
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 0026-265X

eISSN: 1095-9149

Record 14 of 42

Title: Proteomics applied to the authentication of fish glue: application to a 17th century artwork sample

Author(s): Dallongeville, S (Dallongeville, Sophie); Richter, M (Richter, Mark); Schafer, S (Schaefer, Stephan); Kuhlenthal, M (Kuehlenthal, Michael); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYST **Volume:** 138 **Issue:** 18 **Pages:** 5357-5364 **DOI:** 10.1039/c3an00786c **Published:** 2013

Accession Number: WOS:000323115200025

PubMed ID: 23877283

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0003-2654

Record 15 of 42

Title: Protein identification and localization using mass spectrometry and staining tests in cross-sections of polychrome samples

Author(s): Kuckova, S (Kuckova, Stepanka); Sandu, ICA (Anca Sandu, Irina Crina); Crhova, M (Crhova, Michaela); Hynek, R (Hynek, Radovan); Fogas, I (Fogas, Igor); Schafer, S (Schaefer, Stephan)

Source: JOURNAL OF CULTURAL HERITAGE **Volume:** 14 **Issue:** 1 **Pages:** 31-37 **DOI:** 10.1016/j.culher.2012.03.004 **Published:** JAN-FEB 2013

Accession Number: WOS:000313741400005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Caparica, cqfb_staff	H-2611-2013	
REQUIMTE, AL	H-9106-2013	
Sandu, Irina	D-2905-2013	0000-0002-3307-3682

ISSN: 1296-2074

Record 16 of 42

Title: Multi-technique chemical characterisation of a 12-13th-century painted Crucifix

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Laviano, R (Laviano, Rocco); Simonetti, A (Simonetti, Antonella); Sabbatini, L (Sabbatini, Luigia)

Source: MICROCHEMICAL JOURNAL **Volume:** 106 **Pages:** 87-94 **DOI:** 10.1016/j.microc.2012.05.011 **Published:** JAN 2013

Accession Number: WOS:000312826500012

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Laviano, Rocco		0000-0001-6074-7729
Calvano, Cosima Damiana		0000-0001-8832-7072
Sabbatini, Luigia		0000-0002-5099-2242

ISSN: 0026-265X

Record 17 of 42

Title: The use of infrared and Raman microspectroscopy for identification of selected red organic dyes in model colour layers of works of art

Author(s): Svobodova, E (Svobodova, Eva); Bosakova, Z (Bosakova, Zuzana); Ohlidalova, M (Ohlidalova, Martina); Novotna, M (Novotna, Miroslava); Nemeč, I (Nemeč, Ivan)

Source: VIBRATIONAL SPECTROSCOPY **Volume:** 63 **Pages:** 380-389 **DOI:** 10.1016/j.vibspec.2012.09.003 **Published:** NOV 2012

Accession Number: WOS:000312921800009

ISSN: 0924-2031

eISSN: 1873-3697

Record 18 of 42

Title: Critical comparison of spectrometric analyses of non-mineral blue dyes and pigments used in artworks

Author(s): Kuckova, S (Kuckova, S.); Hynek, R (Hynek, R.); Nemeč, I (Nemeč, I.); Kodicek, M (Kodicek, M.); Jehlicka, J (Jehlicka, J.)

Source: SURFACE AND INTERFACE ANALYSIS **Volume:** 44 **Issue:** 8 **Special Issue:** SI **Pages:** 963-967 **DOI:** 10.1002/sia.4828 **Published:** AUG 2012

Accession Number: WOS:000306662600019

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Jehlicka, Jan	H-9357-2016	0000-0002-4294-876X

ISSN: 0142-2421

Record 19 of 42

Title: A simple protocol for Matrix Assisted Laser Desorption Ionization- time of flight-mass spectrometry (MALDI-TOF-MS) analysis of lipids and proteins in single microsamples of paintings

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICA CHIMICA ACTA **Volume:** 718 **Pages:** 1-10 **DOI:** 10.1016/j.aca.2011.12.056 **Published:** MAR 9 2012

Accession Number: WOS:000301310700001

PubMed ID: 22305892

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Calvano, Cosima Damiana
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ISSN: 0003-2670

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0000-0002-5099-2242

Record 20 of 42

Title: Collagen-based proteinaceous binder-pigment interaction study under UV ageing conditions by MALDI-TOF-MS and principal component analysis

Author(s): Romero-Pastor, J (Romero-Pastor, Julia); Navas, N (Navas, Natalia); Kuckova, S (Kuckova, Stepanka); Rodriguez-Navarro, A (Rodriguez-Navarro, Alejandro); Cardell, C (Cardell, Carolina)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 47 **Issue:** 3 **Pages:** 322-330 **DOI:** 10.1002/jms.2966 **Published:** MAR 2012

Accession Number: WOS:000301575200007

PubMed ID: 22431458

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Romero-Pastor, Julia	L-7941-2014	0000-0003-0058-5590

ISSN: 1076-5174

Record 21 of 42

Title: Laser spectroscopies for elemental and molecular analysis in art and archaeology

Author(s): Nevin, A (Nevin, Austin); Spoto, G (Spoto, Giuseppe); Anglos, D (Anglos, Demetrios)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 106 **Issue:** 2 **Pages:** 339-361 **DOI:** 10.1007/s00339-011-6699-z **Published:** FEB 2012

Accession Number: WOS:000299749000007

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Anglos, Demetrios	A-2548-2014	
Nevin, Austin	G-7000-2011	0000-0003-1911-1045

ISSN: 0947-8396

eISSN: 1432-0630

Record 22 of 42

Title: Canvas and Panel Paintings: Techniques and Analyses

Author(s): Kouloumpi, E (Kouloumpi, Eleni); Moutsatsou, AP (Moutsatsou, Anna P.); Terlix, AV (Terlix, Agni-Vasileia)

Edited by: Edwards H; Vandenabeele P

Source: ANALYTICAL ARCHAEOLOGY: SELECTED TOPICS **Pages:** 361-398 **DOI:** 10.1039/9781849732741-00361 **Published:** 2012

Accession Number: WOS:000327022200014

ISBN: 978-1-84973-274-1; 978-1-84973-162-1

Book DOI: 10.1039/9781849732741

Record 23 of 42

Title: THE CONSERVATION OF EASEL PAINTINGS FOREWORD

Author(s): Rushfield, R (Rushfield, Rebecca)

Edited by: Stoner JH; Rushfield R

Source: CONSERVATION OF EASEL PAINTINGS **Book Series:** Routledge Series in Conservation and Museology **Pages:** XXXVI+ **Published:** 2012

Accession Number: WOS:000321677000001

ISBN: 978-0-08-094169-1; 978-0-7506-8199-5

Record 24 of 42

Title: Identification of Animal Glue Species in Artworks Using Proteomics: Application to a 18th Century Gilt

Sample

Author(s): Dallongeville, S (Dallongeville, Sophie); Koperska, M (Koperska, Monika); Garnier, N (Garnier, Nicolas); Reille-Tailefert, G (Reille-Tailefert, Genevieve); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYTICAL CHEMISTRY **Volume:** 83 **Issue:** 24 **Pages:** 9431-9437 **DOI:**

10.1021/ac201978j **Published:** DEC 15 2011

Accession Number: WOS:000297946900036

PubMed ID: 22014085

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0003-2700

Record 25 of 42

Title: Elemental labeling for the identification of proteinaceous-binding media in art works by ICP-MS

Author(s): Crotti, S (Crotti, S.); Granzotto, C (Granzotto, C.); Cairns, WRL (Cairns, W. R. L.); Cescon, P (Cescon, P.); Barbante, C (Barbante, C.)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 46 **Issue:** 12 **Pages:** 1297-1303 **DOI:**

10.1002/jms.2021 **Published:** DEC 2011

Accession Number: WOS:000298601000014

PubMed ID: 22223422

ISSN: 1076-5174

Record 26 of 42

Title: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA)

Author(s): Fremout, W (Fremout, Wim); Kuckova, S (Kuckova, Stepanka); Crhova, M (Crhova, Michaela); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan); Vandenaabeele, P (Vandenaabeele, Peter); Moens, L (Moens, Luc)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 11 **Pages:** 1631-1640 **DOI:** 10.1002/rcm.5027 **Published:** JUN 15 2011

Accession Number: WOS:000290773800023

PubMed ID: 21594939

ISSN: 0951-4198

Record 27 of 42

Title: Fingerprinting of egg and oil binders in painted artworks by matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of lipid oxidation by-products

Author(s): Calvano, CD (Calvano, C. D.); van der Werf, ID (van der Werf, I. D.); Palmisano, F (Palmisano, F.); Sabbatini, L (Sabbatini, L.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 400 **Issue:** 7 **Pages:** 2229-2240 **DOI:** 10.1007/s00216-011-4919-1 **Published:** JUN 2011

Accession Number: WOS:000290801000041

PubMed ID: 21491111

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Palmisano, Francesco		0000-0003-3706-9397
Calvano, Cosima Damiana		0000-0001-8832-7072

ISSN: 1618-2642

Record 28 of 42

Title: Multivariate chemical mapping of pigments and binders in easel painting cross-sections by micro IR reflection spectroscopy

Author(s): Rosi, F (Rosi, Francesca); Federici, A (Federici, Arianna); Brunetti, BG (Brunetti, Brunetto G.); Sgamellotti, A (Sgamellotti, Antonio); Clementi, S (Clementi, Sergio); Miliani, C (Miliani, Costanza)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 399 **Issue:** 9 **Pages:** 3133-3145 **DOI:** 10.1007/s00216-010-4239-x **Published:** MAR 2011

Accession Number: WOS:000287703000022

PubMed ID: 20936268

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Brunetti, Brunetto	F-2235-2014	
miliani, costanza	O-2888-2015	0000-0001-6091-9922
ROSI, FRANCESCA	P-5396-2015	0000-0002-1518-4784

ISSN: 1618-2642

Record 29 of 42

Title: Voltammetric methods applied to identification, speciation, and quantification of analytes from works of art: an overview

Author(s): Domenech-Carbo, A (Domenech-Carbo, Antonio)

Source: JOURNAL OF SOLID STATE ELECTROCHEMISTRY **Volume:** 14 **Issue:** 3 **Pages:** 363-379 **DOI:** 10.1007/s10008-009-0858-6 **Published:** MAR 2010

Accession Number: WOS:000273175600004

ISSN: 1432-8488

eISSN: 1433-0768

Record 30 of 42

Title: Tryptic peptide analysis of protein binders in works of art by liquid chromatography-tandem mass spectrometry

Author(s): Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyvova, J (Sanyvova, Jana); Vandenabeele, P (Vandenabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)

Source: ANALYTICA CHIMICA ACTA **Volume:** 658 **Issue:** 2 **Pages:** 156-162 **DOI:** 10.1016/j.aca.2009.11.010 **Published:** JAN 25 2010

Accession Number: WOS:000273802300007

PubMed ID: 20103089

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Deforce, Dieter	J-4725-2013	0000-0002-0635-661X

ISSN: 0003-2670

Record 31 of 42

Title: Proteomic strategies for the identification of proteinaceous binders in paintings

Author(s): Leo, G (Leo, Gabriella); Cartechini, L (Cartechini, Laura); Pucci, P (Pucci, Piero); Sgamellotti, A (Sgamellotti, Antonio); Marino, G (Marino, Gennaro); Birolo, L (Birolo, Leila)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2269-2280 **DOI:** 10.1007/s00216-009-3185-y **Published:** DEC 2009

Accession Number: WOS:000272017000035

PubMed ID: 19806345

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Cartechini, Laura	C-6067-2009	0000-0001-9834-0801
PUCCI, Pietro		0000-0002-5885-1495

ISSN: 1618-2642

Record 32 of 42

Title: Improved procedure for protein binder analysis in mural painting by LC-ESI/Q-q-TOF mass spectrometry: detection of different milk species by casein proteotypic peptides

Author(s): Chambery, A (Chambery, Angela); Di Maro, A (Di Maro, Antimo); Sanges, C (Sanges, Carmen); Severino, V (Severino, Valeria); Tarantino, M (Tarantino, Maura); Lamberti, A (Lamberti, Annalisa); Parente, A (Parente, Augusto); Arcari, P (Arcari, Paolo)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2281-2291 **DOI:** 10.1007/s00216-009-3183-0 **Published:** DEC 2009

Accession Number: WOS:000272017000036

PubMed ID: 19898838

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Severino, Valeria		0000-0001-5275-1007
Chambery, Angela		0000-0002-5136-0941
Di Maro, Antimo		0000-0002-9595-9665

ISSN: 1618-2642

Record 33 of 42

Title: Towards proteomic analysis of milk proteins in historical building materials

Author(s): Kuckova, S (Kuckova, S.); Crhova, M (Crhova, M.); Vankova, L (Vankova, L.); Hnizda, A (Hnizda, A.); Hynek, R (Hynek, R.); Kodicek, M (Kodicek, M.)

Source: INTERNATIONAL JOURNAL OF MASS SPECTROMETRY **Volume:** 284 **Issue:** 1-3 **Pages:** 42-46 **DOI:** 10.1016/j.ijms.2009.01.011 **Published:** JUL 1 2009

Accession Number: WOS:000268059100006

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Hnizda, Ales	H-9433-2014	

ISSN: 1387-3806

Record 34 of 42

Title: Identification of protein binders in works of art by high-performance liquid chromatography-diode array detector analysis of their tryptic digests

Author(s): Fremout, W (Fremout, Wim); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Vandenaabeele, P (Vandenaabeele, Peter); Moens, L (Moens, Luc)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 393 **Issue:** 8 **Pages:** 1991-1999 **DOI:** 10.1007/s00216-009-2686-z **Published:** APR 2009

Accession Number: WOS:000264697900021

PubMed ID: 19259647

Conference Title: 15th Biennial Conference on Applied Surface Analysis

Conference Date: SEP 08-10, 2008

Conference Location: Soest, GERMANY

Conference Sponsors: Inst Technol Wissenstransfer TWS, Univ Appl Sci S Westphalia, Deutsch Vakuum Gesell, Deutsch Phys Gesell, Fachverband Mikrosonden, Osterreich Gesell Mikrochem & Analy Chem, GOCh, Deutsch Arbeitskreis Angewandte Spektroskop, DASp GDCh-Fachgruppe Analy Chem, European Microbeam Anal Soc, EMAS, SCADEG Sekt Strukturelle & Chem Dunnsch & Grenzflächenanaly Kgl, Niederland Chem Vereinig, Schweizer Arbeits Gemeinsch Oberfläch & Grenzfläch SAOG, Deutsch Verband Mat Forsch & Pruf DVM, Verein Deutsch Eisenhüttenleute VDEh

ISSN: 1618-2642

Record 35 of 42

Title: Application of peptide mass mapping on proteins in historical mortars

Author(s): Kuckova, S (Kuckova, Stepanka); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan)

Source: JOURNAL OF CULTURAL HERITAGE **Volume:** 10 **Issue:** 2 **Pages:** 244-247 **DOI:** 10.1016/j.culher.2008.06.013 **Published:** APR-JUN 2009

Accession Number: WOS:000267025400010

ISSN: 1296-2074

Record 36 of 42

Title: Total Synchronous Fluorescence Spectroscopy Combined with Multivariate Analysis: Method for the Classification of Selected Resins, Oils, and Protein-Based Media Used in Paintings

Author(s): Nevin, A (Nevin, Austin); Comelli, D (Comelli, Daniela); Valentini, G (Valentini, Gianluca); Cubeddu, R (Cubeddu, Rinaldo)

Source: ANALYTICAL CHEMISTRY **Volume:** 81 **Issue:** 5 **Pages:** 1784-1791 **DOI:** 10.1021/ac8019152 **Published:** MAR 1 2009

Accession Number: WOS:000263765100014

PubMed ID: 19193037

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Comelli, Daniela	E-3672-2012	
Nevin, Austin	G-7000-2011	0000-0003-1911-1045
Valentini, Gianluca	G-4594-2011	0000-0002-6340-3021

ISSN: 0003-2700

Record 37 of 42

Title: Novel analytical methods for characterising binding media and protective coatings in artworks

Author(s): Domenech-Carbo, MT (Domenech-Carbo, Maria Teresa)

Source: ANALYTICA CHIMICA ACTA **Volume:** 621 **Issue:** 2 **Pages:** 109-139 **DOI:** 10.1016/j.aca.2008.05.056 **Published:** JUL 28 2008

Accession Number: WOS:000257941300002

PubMed ID: 18573376

ISSN: 0003-2670

Record 38 of 42

Title: Identification of protein remains in archaeological potsherds by proteomics

Author(s): Solazzo, C (Solazzo, Caroline); Fitzhugh, WW (Fitzhugh, William W.); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYTICAL CHEMISTRY **Volume:** 80 **Issue:** 12 **Pages:** 4590-4597 **DOI:** 10.1021/ac800515v **Published:** JUN 15 2008

Accession Number: WOS:000256763400020

PubMed ID: 18494502

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Rolando, Christian	E-8278-2011	0000-0002-3266-8860

ISSN: 0003-2700

Record 39 of 42

Title: Mass spectrometry in identification of color components of natural organic dyestuffs used in art

Author(s): Lech, K (Lech, K.); Polec-Pawlak, K (Polec-Pawlak, K.); Jarosz, M (Jarosz, M.)

Source: CHEMIA ANALITYCZNA **Volume:** 53 **Issue:** 4 **Pages:** 479-509 **Published:** 2008

Accession Number: WOS:000259163800001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Pawlak, Katarzyna	E-3611-2013	
Pawlak, Katarzyna		0000-0002-7200-3468

ISSN: 0009-2223

Record 40 of 42

Title: Application of Synchrotron Infrared Radiation in the Study of Organic Coatings in Cross-Sections

Author(s): Bartoll, J (Bartoll, Jens); Hahn, O (Hahn, Oliver); Schade, U (Schade, Ulrich)

Source: STUDIES IN CONSERVATION **Volume:** 53 **Issue:** 1 **Pages:** 1-8 **Published:** 2008

Accession Number: WOS:000260817500001

Author Identifiers:

Author ResearchID NumberORCID Number

Schade, Ulrich D-9341-2013

ISSN: 0039-3630

Record 41 of 42

Title: Identification of proteinaceous binders used in artworks by MALDI-TOF mass spectrometry

Author(s): Kuckova, S (Kuckova, Stepanka); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 388 **Issue:** 1 **Pages:** 201-206 **DOI:** 10.1007/s00216-007-1206-2 **Published:** MAY 2007

Accession Number: WOS:000245292200025

PubMed ID: 17340079

ISSN: 1618-2642

Record 42 of 42

Title: An evaluation of GC-MS and HPLC-FD methods for analysis of protein binders in paintings

Author(s): Prikryl, P (Prikryl, Petr); Havlickova, L (Havlickova, Lenka); Pacakova, V (Pacakova, Vera); Hradilova, J (Hradilova, Janka); Stulik, K (Stulik, Karel); Hofta, P (Hofta, Petr)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 29 **Issue:** 17 **Pages:** 2653-2663 **DOI:** 10.1002/jssc.200600171 **Published:** NOV 2006

Accession Number: WOS:000243338600012

PubMed ID: 17313106

32. Santrucek J., Strohal M., Kadlcik V., **Hynek R.**, Kodicek M.: Tyrosine residues modification studied by MALDI-TOF mass spectrometry. *Biochemical and Biophysical Research Communications* 323, 1151-1156 (2004). IF 2,297; SCI 30:

Record 1 of 30

Title: Unravelling viral camouflage: approaches to the study and characterization of conformational epitopes

Author(s): Augustin, T (Augustin, T.); Cehlar, O (Cehlar, O.); Skrabana, R (Skrabana, R.); Majerova, P (Majerova, P.); Hanes, J (Hanes, J.)

Source: ACTA VIROLOGICA **Volume:** 59 **Issue:** 2 **Pages:** 103-116 **DOI:** 10.4149/av_2015_02_103 **Published:** 2015

Accession Number: WOS:000361340800001

PubMed ID: 26104327

ISSN: 0001-723X

eISSN: 1336-2305

Record 2 of 30

Title: Introduction to the Chemical Modification of Proteins

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: CHEMICAL REAGENTS FOR PROTEIN MODIFICATION, 4TH EDITION **Pages:** 1-33 **Published:** 2014

Accession Number: WOS:000356623400002

ISBN: 978-1-4665-7191-4; 978-1-4665-7190-7

Book DOI: 10.1201/b16867

Record 3 of 30

Title: Modification of Tyrosine Residues

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: CHEMICAL REAGENTS FOR PROTEIN MODIFICATION, 4TH EDITION **Pages:** 435-487 **Published:** 2014

Accession Number: WOS:000356623400012

ISBN: 978-1-4665-7191-4; 978-1-4665-7190-7

Book DOI: 10.1201/b16867

Record 4 of 30

Title: IMPROVED APPROACH FOR THE LABELING OF ARGININE, GLUTAMIC, AND ASPARTIC ACID SIDE CHAINS IN PROTEINS USING CHROMATOGRAPHIC TECHNIQUES

Author(s): Junkova, P (Junkova, Petra); Vermachova, M (Vermachova, Martina); Prchal, J (Prchal, Jan); Kuckova, S (Kuckova, Stepanka); Hrabal, R (Hrabal, Richard); Hynek, R (Hynek, Radovan)

Source: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES **Volume:** 36 **Issue:** 9 **Pages:** 1221-1230 **DOI:** 10.1080/10826076.2012.685918 **Published:** MAR 1 2013

Accession Number: WOS:000317274800006

Author Identifiers:

Author ResearcherID NumberORCID Number

Prchal, Jan H-9756-2014

ISSN: 1082-6076

Record 5 of 30

Title: Albumin

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: BIOTECHNOLOGY OF PLASMA PROTEINS **Book Series:** Protein Science-CRC **Pages:** 83-181 **Published:** 2013

Accession Number: WOS:000362272500005

ISSN: 2155-0530

ISBN: 978-1-4398-5027-5; 978-1-4398-5026-8

Record 6 of 30

Title: Facile identification of photocleavable reactive metabolites and oxidative stress biomarkers in proteins via mass spectrometry

Author(s): Diedrich, JK (Diedrich, Jolene K.); Julian, RR (Julian, Ryan R.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 403 **Issue:** 8 **Pages:** 2269-2277 **DOI:** 10.1007/s00216-012-5867-0 **Published:** JUN 2012

Accession Number: WOS:000305127200018

PubMed ID: 22526633

ISSN: 1618-2642

Record 7 of 30

Title: Modification of Hydroxyl and Carboxyl Functional Groups in Proteins

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: CHEMICAL MODIFICATION OF BIOLOGICAL POLYMERS **Book Series:** Protein Science-CRC **Pages:** 115-165 **Published:** 2012

Accession Number: WOS:000361721100004

ISSN: 2155-0530

ISBN: 978-1-4398-4900-2; 978-1-4398-4898-2

Record 8 of 30

Title: Disulfide bond decay during matrix-assisted laser desorption/ionization time-of-flight mass spectrometry experiments

Author(s): Krasny, L (Krasny, Lukas); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan)
Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 17 **Pages:** 2468-2474 **DOI:** 10.1002/rcm.5140 **Published:** SEP 15 2011
Accession Number: WOS:000294267200014
PubMed ID: 21818807
Author Identifiers:
Author ResearcherID Number ORCID Number
Krasny, Lukas J-8016-2014
ISSN: 0951-4198

Record 9 of 30

Title: Probing sites of histidine phosphorylation with iodination and tandem mass spectrometry
Author(s): Sun, QY (Sun, Qingyu); Julian, RR (Julian, Ryan R.)
Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 15 **Pages:** 2240-2246 **DOI:** 10.1002/rcm.5116 **Published:** AUG 15 2011
Accession Number: WOS:000292552800015
PubMed ID: 21732455
ISSN: 0951-4198
eISSN: 1097-0231

Record 10 of 30

Title: Nonresonant femtosecond laser vaporization of aqueous protein preserves folded structure
Author(s): Brady, JJ (Brady, John J.); Judge, EJ (Judge, Elizabeth J.); Levis, RJ (Levis, Robert J.)
Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA **Volume:** 108 **Issue:** 30 **Pages:** 12217-12222 **DOI:** 10.1073/pnas.1105673108 **Published:** JUL 26 2011
Accession Number: WOS:000293129900012
PubMed ID: 21746908
ISSN: 0027-8424

Record 11 of 30

Title: Radical Directed Dissociation for Facile Identification of Iodotyrosine Residues Using Electrospray Ionization Mass Spectrometry
Author(s): Sun, QY (Sun, Qingyu); Yin, S (Yin, Sheng); Loo, JA (Loo, Joseph A.); Julian, RR (Julian, Ryan R.)
Source: ANALYTICAL CHEMISTRY **Volume:** 82 **Issue:** 9 **Pages:** 3826-3833 **DOI:** 10.1021/ac100256v **Published:** MAY 1 2010
Accession Number: WOS:000277213400063
PubMed ID: 20356054
ISSN: 0003-2700

Record 12 of 30

Title: Use of Chemical Modification for the Conformational Analysis of Biopharmaceuticals
Author(s): Lundblad, RL (Lundblad, Roger L.)
Book Author(s): Lundblad, RL (Lundblad, RL)
Source: APPROACHES TO THE CONFORMATIONAL ANALYSIS OF BIOPHARMACEUTICALS **Book Series:** Protein Science-CRC **Pages:** 251-297 **Published:** 2010
Accession Number: WOS:000362198800020
ISSN: 2155-0530
ISBN: 978-1-4398-0781-1; 978-1-4398-0780-4

Record 13 of 30

Title: Correlating the Chemical Modification of Escherichia coli Ribosomal Proteins with Crystal Structure Data

Author(s): Liu, XH (Liu, Xiaohui); Reilly, JP (Reilly, James P.)

Source: JOURNAL OF PROTEOME RESEARCH **Volume:** 8 **Issue:** 10 **Pages:** 4466-4478 **DOI:** 10.1021/pr9002382 **Published:** OCT 2009

Accession Number: WOS:000270353900007

PubMed ID: 19658437

ISSN: 1535-3893

Record 14 of 30

Title: PROBING PROTEIN STRUCTURE BY AMINO ACID-SPECIFIC COVALENT LABELING AND MASS SPECTROMETRY

Author(s): Mendoza, VL (Mendoza, Vanessa Leah); Vachet, RW (Vachet, Richard W.)

Source: MASS SPECTROMETRY REVIEWS **Volume:** 28 **Issue:** 5 **Pages:** 785-815 **DOI:** 10.1002/mas.20203 **Published:** SEP-OCT 2009

Accession Number: WOS:000268991700003

PubMed ID: 19016300

ISSN: 0277-7037

Record 15 of 30

Title: Introduction to the Solution Chemistry of Proteins

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: APPLICATION OF SOLUTION PROTEIN CHEMISTRY TO BIOTECHNOLOGY **Book Series:** Protein Science-CRC **Pages:** 1-130 **Published:** 2009

Accession Number: WOS:000268462600001

ISBN: 978-1-4200-7341-6

Book DOI: 10.1201/9781420073423

Record 16 of 30

Title: Identifying Residues in Antigenic Determinants by Chemical Modification

Author(s): Reisner, HM (Reisner, Howard M.); Lundblad, RL (Lundblad, Roger L.)

Edited by: Reineke U; Schutkowski M

Source: EPITOPE MAPPING PROTOCOLS, SECOND EDITION **Book Series:** Methods in Molecular Biology **Volume:** 524 **Pages:** 103-117 **DOI:** 10.1007/978-1-59745-450-6_8 **Published:** 2009

Accession Number: WOS:000268335800008

PubMed ID: 19377940

ISSN: 1064-3745

ISBN: 978-1-934115-17-6

Book DOI: 10.1007/978-1-59745-450-6

Record 17 of 30

Title: Epitope Mapping by Differential Chemical Modification of Antigens

Author(s): Dhungana, S (Dhungana, Suraj); Fessler, MB (Fessler, Michael B.); Tomer, KB (Tomer, Kenneth B.)

Edited by: Reineke U; Schutkowski M

Source: EPITOPE MAPPING PROTOCOLS, SECOND EDITION **Book Series:** Methods in Molecular Biology **Volume:** 524 **Pages:** 119-+ **DOI:** 10.1007/978-1-59745-450-6_9 **Published:** 2009

Accession Number: WOS:000268335800009

PubMed ID: 19377941

ISSN: 1064-3745

ISBN: 978-1-934115-17-6

Book DOI: 10.1007/978-1-59745-450-6

Record 18 of 30

Title: Reactivity of histidine and lysine side-chains with diethylpyrocarbonate - A method to identify surface exposed residues in proteins

Author(s): Hnizda, A (Hnizda, Ales); Santrucek, J (Santrucek, Jiri); Sanda, M (Sanda, Miloslav); Strohal, M (Strohal, Martin); Kodicek, M (Kodicek, Milan)

Source: JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS **Volume:** 70 **Issue:** 6 **Pages:** 1091-1097 **DOI:** 10.1016/j.jbbm.2007.07.004 **Published:** APR 24 2008

Accession Number: WOS:000256393200043

PubMed ID: 17765977

Author Identifiers:

Author ResearchID NumberORCID Number

Hnizda, Ales H-9433-2014

ISSN: 0165-022X

Record 19 of 30

Title: Protein surface mapping using diethylpyrocarbonate with mass spectrometric detection

Author(s): Mendoza, VL (Mendoza, Vanessa Leah); Vachet, RW (Vachet, Richard W.)

Source: ANALYTICAL CHEMISTRY **Volume:** 80 **Issue:** 8 **Pages:** 2895-2904 **DOI:** 10.1021/ac701999b **Published:** APR 15 2008

Accession Number: WOS:000254969100033

PubMed ID: 18338903

ISSN: 0003-2700

Record 20 of 30

Title: Nitrosative protein tyrosine modifications: biochemistry and functional significance

Author(s): Yeo, WS (Yeo, Woon-Seok); Lee, SJ (Lee, Soo Jae); Lee, JR (Lee, Jung Rok); Kim, KP (Kim, Kwang Pyo)

Source: BMB REPORTS **Volume:** 41 **Issue:** 3 **Pages:** 194-203 **Published:** MAR 31 2008

Accession Number: WOS:000255359600003

PubMed ID: 18377722

Author Identifiers:

Author ResearchID NumberORCID Number

Yeo, Woon-Seok D-8303-2011

ISSN: 1976-6696

Record 21 of 30

Title: Assessment of solvent residues accessibility using three Sulfo-NHS-biotin reagents in parallel: application to footprint changes of a methyltransferase upon binding its substrate

Author(s): Gabant, G (Gabant, Guillaume); Augier, J (Augier, Julie); Armengaud, J (Armengaud, Jean)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 43 **Issue:** 3 **Pages:** 360-370 **DOI:** 10.1002/jms.1328 **Published:** MAR 2008

Accession Number: WOS:000254270900008

PubMed ID: 17968972

Author Identifiers:

Author ResearchID Number ORCID Number

ARMENGAUD, Jean 0000-0003-1589-445X

ISSN: 1076-5174

Record 22 of 30

Title: Residue-specific radical-directed dissociation of whole proteins in the gas phase

Author(s): Ly, T (Ly, Tony); Julian, RR (Julian, Ryan R.)

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY **Volume:** 130 **Issue:** 1 **Pages:** 351-358 **DOI:** 10.1021/ja076535a **Published:** JAN 9 2008

Accession Number: WOS:000252127500057

PubMed ID: 18078340

Author Identifiers:

Author ResearcherID NumberORCID Number

Ly, Tony F-1883-2010

Ly, Tony H-5441-2011

ISSN: 0002-7863

Record 23 of 30

Title: Probing the structure and activity of trypsin with amidination

Author(s): Liu, XH (Liu, Xiaohu); Broshears, WC (Broshears, William C.); Reilly, JP (Reilly, James P.)

Source: ANALYTICAL BIOCHEMISTRY **Volume:** 367 **Issue:** 1 **Pages:** 13-19 **DOI:** 10.1016/j.ab.2007.04.037 **Published:** AUG 1 2007

Accession Number: WOS:000247868800002

PubMed ID: 17560535

ISSN: 0003-2697

Record 24 of 30

Title: Development of indole chemistry to label tryptophan residues in protein for determination of tryptophan surface accessibility

Author(s): Ladner, CL (Ladner, Carol L.); Turner, RJ (Turner, Raymond J.); Edwards, RA (Edwards, Robert A.)

Source: PROTEIN SCIENCE **Volume:** 16 **Issue:** 6 **Pages:** 1204-1213 **DOI:** 10.1110/ps.062728407 **Published:** JUN 2007

Accession Number: WOS:000246727100019

PubMed ID: 17525468

Author Identifiers:

Author ResearcherID Number ORCID Number

Turner, Raymond M-3961-2015 0000-0002-9263-0776

Ladner, Carol 0000-0003-0273-713X

ISSN: 0961-8368

Record 25 of 30

Title: Nitrite-assisted peptide iodination and conjugation

Author(s): Deng, HT (Deng, Haiteng)

Source: JOURNAL OF PEPTIDE SCIENCE **Volume:** 13 **Issue:** 2 **Pages:** 107-112 **DOI:** 10.1002/psc.806 **Published:** FEB 2007

Accession Number: WOS:000244370900005

PubMed ID: 17117376

ISSN: 1075-2617

Record 26 of 30

Title: A short-chain dehydrogenase/reductase from *Vibrio vulnificus* with both blue fluorescence and oxidoreductase activity

Author(s): Polizzi, KM (Polizzi, Karen Marie); Moore, DA (Moore, Desmond Antoine); Bommarius, AS (Bommarius, Andreas Sebastian)

Source: CHEMICAL COMMUNICATIONS **Issue:** 18 **Pages:** 1843-1845 **DOI:** 10.1039/b616763b **Published:** 2007

Accession Number: WOS:000246207900018

PubMed ID: 17476406

ISSN: 1359-7345

Record 27 of 30

Title: Investigation of tyrosine nitration and nitrosylation of angiotensin II and bovine serum albumin with electrospray ionization mass spectrometry

Author(s): Lee, SJ (Lee, Soo Jae); Lee, JR (Lee, Jung Rok); Kim, YH (Kim, Young Hwan); Park, YS (Park, Yoon Shin); Park, SI (Park, Sang Ick); Park, HS (Park, Hyung Soon); Kim, KP (Kim, Kwang Pyo)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 21 **Issue:** 17 **Pages:** 2797-2804 **DOI:** 10.1002/rcm.3145 **Published:** 2007

Accession Number: WOS:000249074200002

PubMed ID: 17661312

ISSN: 0951-4198

Record 28 of 30

Title: Probing the structure of the *Caulobacter crescentus* ribosome with chemical labeling and mass spectrometry

Author(s): Beardsley, RL (Beardsley, Richard L.); Running, WE (Running, William E.); Reilly, JP (Reilly, James P.)

Source: JOURNAL OF PROTEOME RESEARCH **Volume:** 5 **Issue:** 11 **Pages:** 2935-2946 **DOI:** 10.1021/pr060170w **Published:** NOV 3 2006

Accession Number: WOS:000241755400007

PubMed ID: 17081045

ISSN: 1535-3893

Record 29 of 30

Title: Iodination of proteins by IPy2BF₄, a new tool in protein chemistry

Author(s): Espuna, G (Espuna, G); Andreu, D (Andreu, D); Barluenga, J (Barluenga, J); Perez, X (Perez, X); Planas, A (Planas, A); Arsequell, G (Arsequell, G); Valencia, G (Valencia, G)

Source: BIOCHEMISTRY **Volume:** 45 **Issue:** 19 **Pages:** 5957-5963 **DOI:** 10.1021/bi060103f **Published:** MAY 16 2006

Accession Number: WOS:000237579000004

PubMed ID: 16681367

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Andreu, D	I-4359-2014	0000-0002-6317-6666
Planas, Antoni	I-4803-2015	0000-0001-7073-3320

ISSN: 0006-2960

Record 30 of 30

Title: Determination of protein-derived epitopes by mass spectrometry

Author(s): Hager-Braun, C (Hager-Braun, Christine); Tomer, KB (Tomer, Kenneth B.)

Source: EXPERT REVIEW OF PROTEOMICS **Volume:** 2 **Issue:** 5 **Pages:** 745-756 **DOI:** 10.1586/14789450.2.5.745 **Published:** OCT 2005

Accession Number: WOS:000240918700018

PubMed ID: 16209653

33. Strohalm M., Santrucek J., **Hynek R.**, Kodicek M.: Analysis of tryptophan surface accessibility in proteins by MALDI-TOF mass spectrometry. *Biochemical and Biophysical Research Communications* 323, 1133-1137 (2004). IF 2.297, SCI 17.

Record 1 of 17

Title: Production of lysozyme and lysozyme-superoxide dismutase dimers bound by a ditryptophan cross-link in carbonate radical-treated lysozyme

Author(s): Paviani, V (Paviani, Veronica); Queiroz, RF (Queiroz, Raphael F.); Marques, EF (Marques, Emerson F.); Di Mascio, P (Di Mascio, Paolo); Augusto, O (Augusto, Ohara)

Source: FREE RADICAL BIOLOGY AND MEDICINE **Volume:** 89 **Pages:** 72-82 **DOI:** 10.1016/j.freeradbiomed.2015.07.015 **Published:** DEC 2015

Accession Number: WOS:000366355800008

PubMed ID: 26197052

ISSN: 0891-5849
eISSN: 1873-4596

Record 2 of 17

Title: Developments and recent advancements in the field of endogenous amino acid selective bond forming reactions for bioconjugation

Author(s): Koniev, O (Koniev, Oleksandr); Wagner, A (Wagner, Alain)

Source: CHEMICAL SOCIETY REVIEWS **Volume:** 44 **Issue:** 15 **Pages:** 5495-5551 **DOI:** 10.1039/c5cs00048c **Published:** 2015

Accession Number: WOS:000358219300021

PubMed ID: 26000775

ISSN: 0306-0012

eISSN: 1460-4744

Record 3 of 17

Title: Thermodynamic Analysis of Protein Folding and Stability Using a Tryptophan Modification Protocol

Author(s): Xu, YR (Xu, Yingrong); Strickland, EC (Strickland, Erin C.); Fitzgerald, MC (Fitzgerald, Michael C.)

Source: ANALYTICAL CHEMISTRY **Volume:** 86 **Issue:** 14 **Pages:** 7041-7048 **DOI:** 10.1021/ac501278j **Published:** JUL 15 2014

Accession Number: WOS:000339227400044

PubMed ID: 24896224

ISSN: 0003-2700

eISSN: 1520-6882

Record 4 of 17

Title: Modification of Tryptophan

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: CHEMICAL REAGENTS FOR PROTEIN MODIFICATION, 4TH EDITION **Pages:** 489-521 **Published:** 2014

Accession Number: WOS:000356623400013

ISBN: 978-1-4665-7191-4; 978-1-4665-7190-7

Book DOI: 10.1201/b16867

Record 5 of 17

Title: Modification of Heterocyclic Amino Acids: Histidine and Tryptophan

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: CHEMICAL MODIFICATION OF BIOLOGICAL POLYMERS **Book Series:** Protein Science-CRC **Pages:** 167-214 **Published:** 2012

Accession Number: WOS:000361721100005

ISSN: 2155-0530

ISBN: 978-1-4398-4900-2; 978-1-4398-4898-2

Record 6 of 17

Title: Use of Chemical Modification for the Conformational Analysis of Biopharmaceuticals

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: APPROACHES TO THE CONFORMATIONAL ANALYSIS OF BIOPHARMACEUTICALS **Book Series:** Protein Science-CRC **Pages:** 251-297 **Published:** 2010

Accession Number: WOS:000362198800020

ISSN: 2155-0530

ISBN: 978-1-4398-0781-1; 978-1-4398-0780-4

Record 7 of 17

Title: Structural Characterization of the Conformational Change in Calbindin-D-28k upon Calcium Binding Using Differential Surface Modification Analyzed by Mass Spectrometry

Author(s): Hobbs, CA (Hobbs, Carey A.); Deterding, LJ (Deterding, Leesa J.); Perera, L (Perera, Lalith); Bobay, BG (Bobay, Benjamin G.); Thompson, RJ (Thompson, Richele J.); Darden, TA (Darden, Thomas A.); Cavanagh, J (Cavanagh, John); Tomer, KB (Tomer, Kenneth B.)

Source: BIOCHEMISTRY **Volume:** 48 **Issue:** 36 **Pages:** 8603-8614 **DOI:** 10.1021/bi900350q **Published:** SEP 15 2009

Accession Number: WOS:000269485500013

PubMed ID: 19658395

Author Identifiers:

Author	ResearcherID Number	ORCID Number
perera, Lalith	B-6879-2012	0000-0003-0823-1631
Tomer, Kenneth E	8018-2013	

ISSN: 0006-2960

Record 8 of 17

Title: PROBING PROTEIN STRUCTURE BY AMINO ACID-SPECIFIC COVALENT LABELING AND MASS SPECTROMETRY

Author(s): Mendoza, VL (Mendoza, Vanessa Leah); Vachet, RW (Vachet, Richard W.)

Source: MASS SPECTROMETRY REVIEWS **Volume:** 28 **Issue:** 5 **Pages:** 785-815 **DOI:** 10.1002/mas.20203 **Published:** SEP-OCT 2009

Accession Number: WOS:000268991700003

PubMed ID: 19016300

ISSN: 0277-7037

Record 9 of 17

Title: Chemoselective Tryptophan Labeling with Rhodium Carbenoids at Mild pH

Author(s): Antos, JM (Antos, John M.); McFarland, JM (McFarland, Jesse M.); Iavarone, AT (Iavarone, Anthony T.); Francis, MB (Francis, Matthew B.)

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY **Volume:** 131 **Issue:** 17 **Pages:** 6301-6308 **DOI:** 10.1021/ja900094h **Published:** MAY 6 2009

Accession Number: WOS:000265755800057

PubMed ID: 19366262

ISSN: 0002-7863

Record 10 of 17

Title: Introduction to the Solution Chemistry of Proteins

Author(s): Lundblad, RL (Lundblad, Roger L.)

Book Author(s): Lundblad, RL (Lundblad, RL)

Source: APPLICATION OF SOLUTION PROTEIN CHEMISTRY TO BIOTECHNOLOGY **Book Series:** Protein Science-CRC **Pages:** 1-130 **Published:** 2009

Accession Number: WOS:000268462600001

ISBN: 978-1-4200-7341-6

Book DOI: 10.1201/9781420073423

Record 11 of 17

Title: Identifying Residues in Antigenic Determinants by Chemical Modification

Author(s): Reisner, HM (Reisner, Howard M.); Lundblad, RL (Lundblad, Roger L.)

Edited by: Reineke U; Schutkowski M

Source: EPITOPE MAPPING PROTOCOLS, SECOND EDITION **Book Series:** Methods in Molecular

Biology **Volume:** 524 **Pages:** 103-117 **DOI:** 10.1007/978-1-59745-450-6_8 **Published:** 2009
Accession Number: WOS:000268335800008
PubMed ID: 19377940
ISSN: 1064-3745
ISBN: 978-1-934115-17-6
Book DOI: 10.1007/978-1-59745-450-6

Record 12 of 17

Title: Epitope Mapping by Differential Chemical Modification of Antigens
Author(s): Dhungana, S (Dhungana, Suraj); Fessler, MB (Fessler, Michael B.); Tomer, KB (Tomer, Kenneth B.)
Edited by: Reineke U; Schutkowski M
Source: EPITOPE MAPPING PROTOCOLS, SECOND EDITION **Book Series:** Methods in Molecular Biology **Volume:** 524 **Pages:** 119-+ **DOI:** 10.1007/978-1-59745-450-6_9 **Published:** 2009
Accession Number: WOS:000268335800009
PubMed ID: 19377941
ISSN: 1064-3745
ISBN: 978-1-934115-17-6
Book DOI: 10.1007/978-1-59745-450-6

Record 13 of 17

Title: Reactivity of histidine and lysine side-chains with diethylpyrocarbonate - A method to identify surface exposed residues in proteins
Author(s): Hnizda, A (Hnizda, Ales); Santrucek, J (Santrucek, Jiri); Sanda, M (Sanda, Miloslav); Strohal, M (Strohal, Martin); Kodicek, M (Kodicek, Milan)
Source: JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS **Volume:** 70 **Issue:** 6 **Pages:** 1091-1097 **DOI:** 10.1016/j.jbbm.2007.07.004 **Published:** APR 24 2008
Accession Number: WOS:000256393200043
PubMed ID: 17765977
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Hnizda, Ales	H-9433-2014	

ISSN: 0165-022X

Record 14 of 17

Title: Protein surface mapping using diethylpyrocarbonate with mass spectrometric detection
Author(s): Mendoza, VL (Mendoza, Vanessa Leah); Vachet, RW (Vachet, Richard W.)
Source: ANALYTICAL CHEMISTRY **Volume:** 80 **Issue:** 8 **Pages:** 2895-2904 **DOI:** 10.1021/ac701999b **Published:** APR 15 2008
Accession Number: WOS:000254969100033
PubMed ID: 18338903
ISSN: 0003-2700

Record 15 of 17

Title: Reaction of the indole group with malondialdehyde: Application for the derivatization of tryptophan residues in peptides
Author(s): Foettinger, A (Foettinger, Alexandra); Melmer, M (Melmer, Michael); Leitner, A (Leitner, Alexander); Lindner, W (Lindner, Wolfgang)
Source: BIOCONJUGATE CHEMISTRY **Volume:** 18 **Issue:** 5 **Pages:** 1678-1683 **DOI:** 10.1021/bc070001h **Published:** SEP-OCT 2007
Accession Number: WOS:000249656100042
PubMed ID: 17705413
ISSN: 1043-1802

Record 16 of 17

Title: Mass spectrometric characterization of low-molecular-mass color pI markers and their use for direct determination of pI value of proteins

Author(s): Mazanec, K (Mazanec, Karel); Slais, K (Slais, Karel); Chmelik, J (Chmelik, Josef)

Source: JOURNAL OF MASS SPECTROMETRY **Volume:** 41 **Issue:** 12 **Pages:** 1570-1577 **DOI:** 10.1002/jms.1137 **Published:** DEC 2006

Accession Number: WOS:000243307100006

PubMed ID: 17136763

Conference Title: 24th Informal Meeting on Mass Spectrometry (IMMS)

Conference Date: MAY 14-18, 2006

Conference Location: Ustron, POLAND

Conference Sponsors: Inst Organic Chem, Polish Acad Sci, Polish Soc Mass Spectrometry, Consiglio Nazl Ric, I S T Sci & Technol Mol, Hungarian Acad Sci, Inst Struct Chem

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Slais, Karel	B-4182-2014	0000-0001-9957-9187

ISSN: 1076-5174

eISSN: 1096-9888

Record 17 of 17

Title: Determination of protein-derived epitopes by mass spectrometry

Author(s): Hager-Braun, C (Hager-Braun, Christine); Tomer, KB (Tomer, Kenneth B.)

Source: EXPERT REVIEW OF PROTEOMICS **Volume:** 2 **Issue:** 5 **Pages:** 745-756 **DOI:** 10.1586/14789450.2.5.745 **Published:** OCT 2005

Accession Number: WOS:000240918700018

PubMed ID: 16209653

34. **Hynek R.**, Kuckova S., Hradilova J. and Kodicek M.: Matrix-assisted laser desorption/ionization time of flight mass spectrometry as a tool for fast identification of protein binders in color layers of paintings. *Rapid Communications in Mass Spectrometry* 18, 1896-1900 (2004). IF 2,253, SCI 34.

Record 1 of 34

Title: Immunological detection of denatured proteins as a method for rapid identification of food residues on archaeological pottery

Author(s): Pavelka, J (Pavelka, Jaroslav); Smejda, L (Smejda, Ladislav); Hynek, R (Hynek, Radovan); Kuckova, SH (Kuckova, Stepanka Hrdlickova)

Source: JOURNAL OF ARCHAEOLOGICAL SCIENCE **Volume:** 73 **Pages:** 25-35 **DOI:** 10.1016/j.jas.2016.07.004 **Published:** SEP 2016

Accession Number: WOS:000383525300003

ISSN: 0305-4403

eISSN: 1095-9238

Record 2 of 34

Title: Proteins in Art, Archaeology, and Paleontology: From Detection to Identification

Author(s): Dallongeville, S (Dallongeville, Sophie); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: CHEMICAL REVIEWS **Volume:** 116 **Issue:** 1 **Pages:** 2-79 **DOI:** 10.1021/acs.chemrev.5b00037 **Published:** JAN 13 2016

Accession Number: WOS:000368323200002

PubMed ID: 26709533

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Record 3 of 34

Title: Influence of pigments and protein aging on protein identification in historically representative casein-based paints using enzyme-linked immunosorbent assay

Author(s): Ren, F (Ren, Fang); Atlasevich, N (Atlasevich, Natalya); Baade, B (Baade, Brian); Loike, J (Loike, John); Arslanoglu, J (Arslanoglu, Julie)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 408 **Issue:** 1 **Pages:** 203-215 **DOI:** 10.1007/s00216-015-9089-0 **Published:** JAN 2016

Accession Number: WOS:000368016700021

PubMed ID: 26472321

ISSN: 1618-2642

eISSN: 1618-2650

Record 4 of 34

Title: Deglycosylation Step to Improve the Identification of Egg Proteins in Art Samples

Author(s): Vinciguerra, R (Vinciguerra, Roberto); Galano, E (Galano, Eugenio); Vallone, F (Vallone, Fabiana); Greco, G (Greco, Giovanna); Vergara, A (Vergara, Alessandro); Bonaduce, N (Bonaduce, Nada); Marino, G (Marino, Gennaro); Pucci, P (Pucci, Pietro); Amoresano, A (Amoresano, Angela); Birolo, L (Birolo, Leila)

Source: ANALYTICAL CHEMISTRY **Volume:** 87 **Issue:** 20 **Pages:** 10178-10182 **DOI:** 10.1021/acs.analchem.5b02423 **Published:** OCT 20 2015

Accession Number: WOS:000363348300004

PubMed ID: 26399393

ISSN: 0003-2700

eISSN: 1520-6882

Record 5 of 34

Title: PROTEOMICS TOOLS FOR THE CONTEMPORARY IDENTIFICATION OF PROTEINACEOUS BINDERS IN GILDED SAMPLES

Author(s): Kuckova, SH (Kuckova, Stepanka Hrdlickova); Schultz, J (Schultz, Julia); Veiga, R (Veiga, Rita); Murta, E (Murta, Elsa); Sandu, ICA (Anca Sandu, Irina Crina)

Source: INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE **Volume:** 6 **Special Issue:** SI **Pages:** 507-518 **Published:** SEP 2015

Accession Number: WOS:000364504100007

ISSN: 2067-533X

eISSN: 2067-8223

Record 6 of 34

Title: Electrospray ionization linear trap quadrupole Orbitrap in analysis of old tempera paintings: application to nineteenth-century Orthodox icons

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: EUROPEAN JOURNAL OF MASS SPECTROMETRY **Volume:** 21 **Issue:** 4 **Pages:** 679-692 **DOI:** 10.1255/ejms.1346 **Published:** 2015

Accession Number: WOS:000361852100005

PubMed ID: 26353990

ISSN: 1469-0667

eISSN: 1751-6838

Record 7 of 34

Title: Identification of proteinaceous binding media for the polychrome terracotta army of Emperor Qin Shihuang by

MALDI-TOF-MS

Author(s): Yan, HT (Yan, Hongtao); An, JJ (An, Jingjing); Zhou, T (Zhou, Tie); Xia, Y (Xia, Yin); Rong, B (Rong, Bo)

Source: CHINESE SCIENCE BULLETIN **Volume:** 59 **Issue:** 21 **Pages:** 2574-2581 **DOI:** 10.1007/s11434-014-0372-9 **Published:** JUL 2014

Accession Number: WOS:000338127100011

ISSN: 1001-6538

eISSN: 1861-9541

Record 8 of 34

Title: Peptide mass mapping as an effective tool for historical mortar analysis

Author(s): Krizkova, MC (Krizkova, Michaela Crhova); Kuckova, SH (Kuckova, Stepanka Hrdlickova); Santrucek, J (Santrucek, Jiri); Hynek, R (Hynek, Radovan)

Source: CONSTRUCTION AND BUILDING MATERIALS **Volume:** 50 **Pages:** 219-225 **DOI:** 10.1016/j.conbuildmat.2013.09.059 **Published:** JAN 15 2014

Accession Number: WOS:000330489200026

ISSN: 0950-0618

eISSN: 1879-0526

Record 9 of 34

Title: TEN YEARS OF ACTIVITY OF THE ALMA LABORATORY (2004-2014)

Author(s): Hradilova, J (Hradilova, Janka); Hradil, D (Hradil, David)

Edited by: Hradil D; Hradilova J

Source: ACTA ARTIS ACADEMICA 2014: INTERPRETATION OF FINE ART'S ANALYSES IN DIVERSE CONTEXTS **Pages:** 5-12 **Published:** 2014

Accession Number: WOS:000351115100001

Conference Title: 5th Interdisciplinary Conference of ALMA

Conference Date: NOV 20-21, 2014

Conference Location: Dominican Monastery St Giles, Prague, CZECH REPUBLIC

Conference Sponsors: Acad Mat Res Lab Painted Artworks

Conference Host: Dominican Monastery St Giles

ISBN: 978-80-87108-48-2

Record 10 of 34

Title: Optimization of ultrasound-assisted extraction of protein from egg white using response surface methodology (RSM) and its proteomic study by MALDI-TOF-MS

Author(s): He, JN (He, Juanni); Yan, HT (Yan, Hongtao); Fan, CL (Fan, Chunlei)

Source: RSC ADVANCES **Volume:** 4 **Issue:** 80 **Pages:** 42608-42616 **DOI:** 10.1039/c4ra07272c **Published:** 2014

Accession Number: WOS:000342199000054

ISSN: 2046-2069

Record 11 of 34

Title: Innovative technique for the direct determination of proteins in calcified aortic valves

Author(s): Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Velcovska, M (Velcovska, Martina); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Havelcova, M (Havelcova, Martina); Hynek, R (Hynek, Radovan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 405 **Issue:** 27 **Pages:** 8781-8787 **DOI:** 10.1007/s00216-013-7306-2 **Published:** NOV 2013

Accession Number: WOS:000325823600013

PubMed ID: 23978938

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Zeman, Antonin H-2154-2014

ISSN: 1618-2642

eISSN: 1618-2650

Record 12 of 34

Title: Identification of protein binders in artworks by MALDI-TOF/TOF tandem mass spectrometry

Author(s): Tripkovic, T (Tripkovic, T.); Charvy, C (Charvy, C.); Alves, S (Alves, S.); Lolic, AD (Lolic, A. D.); Baosic, RM (Baosic, R. M.); Nikolic-Mandic, SD (Nikolic-Mandic, S. D.); Tabet, JC (Tabet, J. C.)

Source: TALANTA **Volume:** 113 **Pages:** 49-61 **DOI:** 10.1016/j.talanta.2013.03.071 **Published:** SEP 15 2013

Accession Number: WOS:000320416500009

PubMed ID: 23708623

ISSN: 0039-9140

eISSN: 1873-3573

Record 13 of 34

Title: Analysis of proteinaceous binding media used in Tang Dynasty polychrome pottery by MALDI-TOF-MS

Author(s): Yan, HT (Yan HongTao); An, JJ (An JingJing); Zhou, T (Zhou Tie); Li, YH (Li YuHu)

Source: CHINESE SCIENCE BULLETIN **Volume:** 58 **Issue:** 24 **Pages:** 2932-2937 **DOI:** 10.1007/s11434-013-5781-7 **Published:** AUG 2013

Accession Number: WOS:000323343800005

ISSN: 1001-6538

Record 14 of 34

Title: A simple and reliable methodology to detect egg white in art samples

Author(s): Gambino, M (Gambino, Michela); Cappitelli, F (Cappitelli, Francesca); Catto, C (Catto, Cristina); Carpen, A (Carpen, Aristodemo); Principi, P (Principi, Pamela); Ghezzi, L (Ghezzi, Lisa); Bonaduce, I (Bonaduce, Ilaria); Galano, E (Galano, Eugenio); Pucci, P (Pucci, Pietro); Birolo, L (Birolo, Leila); Villa, F (Villa, Federica); Forlani, F (Forlani, Fabio)

Source: JOURNAL OF BIOSCIENCES **Volume:** 38 **Issue:** 2 **Pages:** 397-408 **DOI:** 10.1007/s12038-013-9321-z **Published:** JUN 2013

Accession Number: WOS:000319153600023

PubMed ID: 23673671

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Cappitelli, Francesca	H-1492-2015	
Abbracchio, Maria Pia	B-9342-2014	0000-0002-7833-3388
Gambino, Michela		0000-0001-7098-3549
PUCCI, Pietro		0000-0002-5885-1495
FORLANI, FABIO		0000-0001-9405-973X
Villa, Federica		0000-0003-2930-4684
BONADUCE, ILARIA	I-8801-2012	0000-0003-0346-8373
Cappitelli, Francesca		0000-0003-1237-1813

ISSN: 0250-5991

Record 15 of 34

Title: Proteomics applied to the authentication of fish glue: application to a 17th century artwork sample

Author(s): Dallongeville, S (Dallongeville, Sophie); Richter, M (Richter, Mark); Schafer, S (Schaefer, Stephan); Kuhlenthal, M (Kuehlenthal, Michael); Garnier, N (Garnier, Nicolas); Rolando, C (Rolando, Christian); Tokarski, C (Tokarski, Caroline)

Source: ANALYST **Volume:** 138 **Issue:** 18 **Pages:** 5357-5364 **DOI:** 10.1039/c3an00786c **Published:** 2013

Accession Number: WOS:000323115200025

PubMed ID: 23877283

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Record 16 of 34**Title:** Identification of collagen-based materials in cultural heritage**Author(s):** Kirby, DP (Kirby, Daniel P.); Buckley, M (Buckley, Michael); Promise, E (Promise, Ellen); Trauger, SA (Trauger, Sunia A.); Holdcraft, TR (Holdcraft, T. Rose)**Source:** ANALYST **Volume:** 138 **Issue:** 17 **Pages:** 4849-4858 **DOI:** 10.1039/c3an00925d **Published:** 2013**Accession Number:** WOS:000322389600022**PubMed ID:** 23807214

ISSN: 0003-2654

Record 17 of 34**Title:** Biomineralization of Aortic Valves**Author(s):** Coufalova, L (Coufalova, Lucie); Kuckova, S (Kuckova, Stepanka); Zeman, A (Zeman, Antonin); Smid, M (Smid, Michal); Velcovska, M (Velcovska, Martina); Hynek, R (Hynek, Radovan)**Source:** CHEMICKE LISTY **Volume:** 107 **Issue:** 1 **Pages:** 54-57 **Published:** 2013**Accession Number:** WOS:000314263100009

Author Identifiers:

Author ResearchID Number ORCID Number

Zeman, Antonin H-2154-2014

ISSN: 0009-2770

Record 18 of 34**Title:** Multi-technique chemical characterisation of a 12-13th-century painted Crucifix**Author(s):** van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Laviano, R (Laviano, Rocco); Simonetti, A (Simonetti, Antonella); Sabbatini, L (Sabbatini, Luigia)**Source:** MICROCHEMICAL JOURNAL **Volume:** 106 **Pages:** 87-94 **DOI:** 10.1016/j.microc.2012.05.011 **Published:** JAN 2013**Accession Number:** WOS:000312826500012

Author Identifiers:

Author ResearchID Number ORCID Number

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Calvano, Cosima Damiana 0000-0001-8832-7072

Sabbatini, Luigia 0000-0002-5099-2242

ISSN: 0026-265X

Record 19 of 34**Title:** Development of a dedicated peptide tandem mass spectral library for conservation science**Author(s):** Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyova, J (Sanyova, Jana); Vandenabeele, P (Vandenabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)**Source:** ANALYTICA CHIMICA ACTA **Volume:** 728 **Pages:** 39-48 **DOI:** 10.1016/j.aca.2012.03.037 **Published:** MAY 30 2012**Accession Number:** WOS:000304496000006**PubMed ID:** 22560279

Author Identifiers:

Author ResearchID Number ORCID Number

Deforce, Dieter J-4725-2013 0000-0002-0635-661X

ISSN: 0003-2670

Record 20 of 34**Title:** A simple protocol for Matrix Assisted Laser Desorption Ionization- time of flight-mass spectrometry (MALDI-

TOF-MS) analysis of lipids and proteins in single microsamples of paintings

Author(s): van der Werf, ID (van der Werf, Inez D.); Calvano, CD (Calvano, Cosima D.); Palmisano, F (Palmisano, Francesco); Sabbatini, L (Sabbatini, Luigia)

Source: ANALYTICA CHIMICA ACTA **Volume:** 718 **Pages:** 1-10 **DOI:** 10.1016/j.aca.2011.12.056 **Published:** MAR 9 2012

Accession Number: WOS:000301310700001

PubMed ID: 22305892

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Calvano, Cosima Damiana		0000-0001-8832-7072
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ISSN: 0003-2670

Record 21 of 34

Title: Classification of protein binders in artist's paints by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry: an evaluation of principal component analysis (PCA) and soft independent modelling of class analogy (SIMCA)

Author(s): Fremout, W (Fremout, Wim); Kuckova, S (Kuckova, Stepanka); Crhova, M (Crhova, Michaela); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan); Vandabeele, P (Vandabeele, Peter); Moens, L (Moens, Luc)

Source: RAPID COMMUNICATIONS IN MASS SPECTROMETRY **Volume:** 25 **Issue:** 11 **Pages:** 1631-1640 **DOI:** 10.1002/rcm.5027 **Published:** JUN 15 2011

Accession Number: WOS:000290773800023

PubMed ID: 21594939

ISSN: 0951-4198

Record 22 of 34

Title: Fingerprinting of egg and oil binders in painted artworks by matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of lipid oxidation by-products

Author(s): Calvano, CD (Calvano, C. D.); van der Werf, ID (van der Werf, I. D.); Palmisano, F (Palmisano, F.); Sabbatini, L (Sabbatini, L.)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 400 **Issue:** 7 **Pages:** 2229-2240 **DOI:** 10.1007/s00216-011-4919-1 **Published:** JUN 2011

Accession Number: WOS:000290801000041

PubMed ID: 21491111

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Palmisano, Francesco		0000-0003-3706-9397
Calvano, Cosima Damiana		0000-0001-8832-7072

ISSN: 1618-2642

Record 23 of 34

Title: Tryptic peptide analysis of protein binders in works of art by liquid chromatography-tandem mass spectrometry

Author(s): Fremout, W (Fremout, Wim); Dhaenens, M (Dhaenens, Maarten); Saverwyns, S (Saverwyns, Steven); Sanyova, J (Sanyova, Jana); Vandabeele, P (Vandabeele, Peter); Deforce, D (Deforce, Dieter); Moens, L (Moens, Luc)

Source: ANALYTICA CHIMICA ACTA **Volume:** 658 **Issue:** 2 **Pages:** 156-162 **DOI:** 10.1016/j.aca.2009.11.010 **Published:** JAN 25 2010

Accession Number: WOS:000273802300007

PubMed ID: 20103089

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Deforce, Dieter J-4725-2013		0000-0002-0635-661X

Record 24 of 34

Title: Proteomic strategies for the identification of proteinaceous binders in paintings

Author(s): Leo, G (Leo, Gabriella); Cartechini, L (Cartechini, Laura); Pucci, P (Pucci, Piero); Sgamellotti, A (Sgamellotti, Antonio); Marino, G (Marino, Gennaro); Birolo, L (Birolo, Leila)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2269-2280 **DOI:** 10.1007/s00216-009-3185-y **Published:** DEC 2009

Accession Number: WOS:000272017000035

PubMed ID: 19806345

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Cartechini, Laura	C-6067-2009	0000-0001-9834-0801
PUCCI, Pietro		0000-0002-5885-1495

ISSN: 1618-2642

Record 25 of 34

Title: Improved procedure for protein binder analysis in mural painting by LC-ESI/Q-q-TOF mass spectrometry: detection of different milk species by casein proteotypic peptides

Author(s): Chambery, A (Chambery, Angela); Di Maro, A (Di Maro, Antimo); Sanges, C (Sanges, Carmen); Severino, V (Severino, Valeria); Tarantino, M (Tarantino, Maura); Lamberti, A (Lamberti, Annalisa); Parente, A (Parente, Augusto); Arcari, P (Arcari, Paolo)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 395 **Issue:** 7 **Pages:** 2281-2291 **DOI:** 10.1007/s00216-009-3183-0 **Published:** DEC 2009

Accession Number: WOS:000272017000036

PubMed ID: 19898838

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Severino, Valeria		0000-0001-5275-1007
Chambery, Angela		0000-0002-5136-0941
Di Maro, Antimo		0000-0002-9595-9665

ISSN: 1618-2642

Record 26 of 34

Title: Identification of protein binders in works of art by high-performance liquid chromatography-diode array detector analysis of their tryptic digests

Author(s): Fremout, W (Fremout, Wim); Sanyova, J (Sanyova, Jana); Saverwyns, S (Saverwyns, Steven); Vandenaabeele, P (Vandenaabeele, Peter); Moens, L (Moens, Luc)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 393 **Issue:** 8 **Pages:** 1991-1999 **DOI:** 10.1007/s00216-009-2686-z **Published:** APR 2009

Accession Number: WOS:000264697900021

PubMed ID: 19259647

Conference Title: 15th Biennial Conference on Applied Surface Analysis

Conference Date: SEP 08-10, 2008

Conference Location: Soest, GERMANY

Conference Sponsors: Inst Technol Wissenstransfer TWS, Univ Appl Sci S Westphalia, Deutsch Vakuum Gesell, Deutsch Phys Gesell, Fachverband Mikrosonden, Osterreich Gesell Mikrochem & Analy Chem, GOCh, Deutsch Arbeitskreis Angewandte Spektroskop, DAsp GDCh-Fachgruppe Analy Chem, European Microbeam Anal Soc, EMAS, SCADEG Sekt Strukturelle & Chem Dunnsch & Grenzflächenanaly Kgl, Niederland Chem Vereinig, Schweizer Arbeits Gemeinsch Oberfläch & Grenzfläch SAOG, Deutsch Verband Mat Forsch & Pruf DVM, Verein Deutsch Eisenhüttenleute VDEh

ISSN: 1618-2642

Record 27 of 34

Title: Lasers in the Analysis of Cultural Heritage Materials

Author(s): Anglos, D (Anglos, Demetrios); Georgiou, S (Georgiou, Savas); Fotakis, C (Fotakis, Costas)

Source: JOURNAL OF NANO RESEARCH **Volume:** 8 **Pages:** 47-60 **DOI:**

10.4028/www.scientific.net/JNanoR.8.47 **Published:** 2009

Accession Number: WOS:000271294800006

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Anglos, Demetrios	A-2548-2014	
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Fotakis, Costas	G-8751-2011	
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ISSN: 1662-5250

eISSN: 1661-9897

Record 28 of 34

Title: Application of high-performance separation techniques in archaeometry

Author(s): Surowiec, I (Surowiec, Izabella)

Source: MICROCHIMICA ACTA **Volume:** 162 **Issue:** 3-4 **Pages:** 289-302 **DOI:** 10.1007/s00604-007-0911-z **Published:** AUG 2008

Accession Number: WOS:000258194900002

ISSN: 0026-3672

Record 29 of 34

Title: Novel analytical methods for characterising binding media and protective coatings in artworks

Author(s): Domenech-Carbo, MT (Domenech-Carbo, Maria Teresa)

Source: ANALYTICA CHIMICA ACTA **Volume:** 621 **Issue:** 2 **Pages:** 109-139 **DOI:**

10.1016/j.aca.2008.05.056 **Published:** JUL 28 2008

Accession Number: WOS:000257941300002

PubMed ID: 18573376

ISSN: 0003-2670

Record 30 of 34

Title: Analysis of protein-based media commonly found in paintings using synchronous fluorescence spectroscopy combined with multivariate statistical analysis

Author(s): Nevin, A (Nevin, Austin); Cather, S (Cather, Sharon); Burnstock, A (Burnstock, Aviva); Anglos, D (Anglos, Demetrios)

Source: APPLIED SPECTROSCOPY **Volume:** 62 **Issue:** 5 **Pages:** 481-489 **DOI:**

10.1366/000370208784344523 **Published:** MAY 2008

Accession Number: WOS:000255693400004

PubMed ID: 18498688

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Anglos, Demetrios	A-2548-2014	
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Nevin, Austin	G-7000-2011	0000-0003-1911-1045
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ISSN: 0003-7028

Record 31 of 34

Title: Photons in the service of our past: lasers in the preservation of cultural heritage

Author(s): Georgiou, S (Georgiou, Savas); Anglos, D (Anglos, Demetrios); Fotakis, C (Fotakis, Costas)

Source: CONTEMPORARY PHYSICS **Volume:** 49 **Issue:** 1 **Pages:** 1-27 **DOI:**

10.1080/00107510802038398 **Published:** 2008

Accession Number: WOS:000256994000001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Anglos, Demetrios	A-2548-2014	
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Record 32 of 34

Title: Identification of proteinaceous binders used in artworks by MALDI-TOF mass spectrometry

Author(s): Kuckova, S (Kuckova, Stepanka); Hynek, R (Hynek, Radovan); Kodicek, M (Kodicek, Milan)

Source: ANALYTICAL AND BIOANALYTICAL CHEMISTRY **Volume:** 388 **Issue:** 1 **Pages:** 201-206 **DOI:** 10.1007/s00216-007-1206-2 **Published:** MAY 2007

Accession Number: WOS:000245292200025

PubMed ID: 17340079

ISSN: 1618-2642

Record 33 of 34

Title: An evaluation of GC-MS and HPLC-FD methods for analysis of protein binders in paintings

Author(s): Prikryl, P (Prikryl, Petr); Havlickova, L (Havlickova, Lenka); Pacakova, V (Pacakova, Vera); Hradilova, J (Hradilova, Janka); Stulik, K (Stulik, Karel); Hofta, P (Hofta, Petr)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 29 **Issue:** 17 **Pages:** 2653-2663 **DOI:** 10.1002/jssc.200600171 **Published:** NOV 2006

Accession Number: WOS:000243338600012

PubMed ID: 17313106

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Prikryl, Petr	B-1359-2008	0000-0001-6167-2853

ISSN: 1615-9306

Record 34 of 34

Title: Identification of proteins in Renaissance paintings by proteomics

Author(s): Tokarski, C (Tokarski, C); Martin, E (Martin, E); Rolando, C (Rolando, C); Cren-Olive, C (Cren-Olive, C)

Source: ANALYTICAL CHEMISTRY **Volume:** 78 **Issue:** 5 **Pages:** 1494-1502 **DOI:** 10.1021/ac051181w **Published:** MAR 1 2006

Accession Number: WOS:000235921700023

PubMed ID: 16503599

35. Novotna Z., Linek J., **Hynek R.**, Martinec J., Potocky, M., Valentova O.: Plant PIP2-dependent phospholipase D activity is regulated by phosphorylation. *FEBS Letters*, 554, 50-54 (2003). IF 3.169, SCI 20.

Record 1 of 20

Title: Role of phospholipid signalling in plant environmental responses

Author(s): Ruelland, E (Ruelland, E.); Kravets, V (Kravets, V.); Derevyanchuk, M (Derevyanchuk, M.); Martinec, J (Martinec, J.); Zachowski, A (Zachowski, A.); Pokotylo, I (Pokotylo, I.)

Source: ENVIRONMENTAL AND EXPERIMENTAL BOTANY **Volume:** 114 **Special Issue:** SI **Pages:** 129-143 **DOI:** 10.1016/j.envexpbot.2014.08.009 **Published:** JUN 2015

Accession Number: WOS:000353092000013

ISSN: 0098-8472

eISSN: 1873-7307

Record 2 of 20

Title: Phosphoglycerolipids are master players in plant hormone signal transduction

Author(s): Janda, M (Janda, Martin); Planchais, S (Planchais, Severine); Djafi, N (Djafi, Nabila); Martinec, J (Martinec, Jan); Burketova, L (Burketova, Lenka); Valentova, O (Valentova, Olga); Zachowski, A (Zachowski, Alain); Ruelland, E (Ruelland, Eric)

Source: PLANT CELL REPORTS **Volume:** 32 **Issue:** 6 **Special Issue:** SI **Pages:** 839-851 **DOI:** 10.1007/s00299-013-1399-0 **Published:** JUN 2013

Accession Number: WOS:000319072800011

PubMed ID: 23471417

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Janda, Martin	H-1437-2014	0000-0002-4521-0533
Burketova, Lenka	K-4296-2012	
Ruelland, Eric		0000-0002-7877-4941
Planchais, Severine		0000-0002-4033-9813

ISSN: 0721-7714

eISSN: 1432-203X

Record 3 of 20

Title: Molecular structure of phospholipase D and regulatory mechanisms of its activity in plant and animal cells

Author(s): Kolesnikov, YS (Kolesnikov, Y. S.); Nokhrina, KP (Nokhrina, K. P.); Kretynin, SV (Kretynin, S. V.); Volotovskii, ID (Volotovskii, I. D.); Martinec, J (Martinec, J.); Romanov, GA (Romanov, G. A.); Kravets, VS (Kravets, V. S.)

Source: BIOCHEMISTRY-MOSCOW **Volume:** 77 **Issue:** 1 **Pages:** 1-14 **DOI:** 10.1134/S0006297912010014 **Published:** JAN 2012

Accession Number: WOS:000299897200001

PubMed ID: 22339628

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Romanov, Georgy	A-2028-2008	
Martinec, Jan	F-4147-2014	0000-0002-5675-1706

ISSN: 0006-2979

Record 4 of 20

Title: Suppression of Phospholipase D gamma s Confers Increased Aluminum Resistance in Arabidopsis thaliana

Author(s): Zhao, J (Zhao, Jian); Wang, CX (Wang, Cunxi); Bedair, M (Bedair, Mohamed); Welti, R (Welti, Ruth); Sumner, LW (Sumner, Lloyd W.); Baxter, I (Baxter, Ivan); Wang, XM (Wang, Xuemin)

Source: PLOS ONE **Volume:** 6 **Issue:** 12 **Article Number:** e28086 **DOI:** 10.1371/journal.pone.0028086 **Published:** DEC 7 2011

Accession Number: WOS:000298161900012

PubMed ID: 22163277

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Sumner, Lloyd	A-3270-2013	
Wang, Xuemin	M-2853-2013	
Zhao, Jian	M-4237-2014	0000-0002-4416-7334
Baxter, Ivan	A-1052-2009	0000-0001-6680-1722
Welti, Ruth		0000-0003-4373-2538
Sumner, Lloyd		0000-0002-4086-663X
wang, xuemin		0000-0002-6251-6745

ISSN: 1932-6203

Record 5 of 20

Title: Phospholipase D: Enzymology, Functionality, and Chemical Modulation

Author(s): Selvy, PE (Selvy, Paige E.); Lavieri, RR (Lavieri, Robert R.); Lindsley, CW (Lindsley, Craig W.); Brown, HA (Brown, H. Alex)

Source: CHEMICAL REVIEWS **Volume:** 111 **Issue:** 10 **Pages:** 6064-6119 **DOI:** 10.1021/cr200296t **Published:** OCT 2011

Accession Number: WOS:000296001000010

PubMed ID: 21936578

ISSN: 0009-2665

Record 6 of 20

Title: Biology and Biochemistry of Plant Phospholipases

Author(s): Chen, GQ (Chen, Guanqun); Snyder, CL (Snyder, Crystal L.); Greer, MS (Greer, Michael S.); Weselake, RJ (Weselake, Randall J.)

Source: CRITICAL REVIEWS IN PLANT SCIENCES **Volume:** 30 **Issue:** 3 **Pages:** 239-258 **Article Number:** PII 937959752 **DOI:** 10.1080/07352689.2011.572033 **Published:** 2011

Accession Number: WOS:000290962700001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
chen, guanqun	K-7009-2012	

ISSN: 0735-2689

Record 7 of 20

Title: The phosphoproteome of Arabidopsis plants lacking the oxidative signal-inducible1 (OXI1) protein kinase

Author(s): Howden, AJM (Howden, Andrew J. M.); Salek, M (Salek, Mogjiborahman); Miguët, L (Miguët, Laurent); Pullen, M (Pullen, Margaret); Thomas, B (Thomas, Benjamin); Knight, MR (Knight, Marc R.); Sweetlove, LJ (Sweetlove, Lee J.)

Source: NEW PHYTOLOGIST **Volume:** 190 **Issue:** 1 **Pages:** 49-56 **DOI:** 10.1111/j.1469-8137.2010.03582.x **Published:** 2011

Accession Number: WOS:000287739000007

PubMed ID: 21175636

ISSN: 0028-646X

Record 8 of 20

Title: Exogenously induced expression of ethylene biosynthesis, ethylene perception, phospholipase D, and Rboh-oxidase genes in broccoli seedlings

Author(s): Jakubowicz, M (Jakubowicz, Malgorzata); Galganska, H (Galganska, Hanna); Nowak, W (Nowak, Witold); Sadowski, J (Sadowski, Jan)

Source: JOURNAL OF EXPERIMENTAL BOTANY **Volume:** 61 **Issue:** 12 **Pages:** 3475-3491 **DOI:** 10.1093/jxb/erq177 **Published:** JUL 2010

Accession Number: WOS:000280016200024

PubMed ID: 20581125

ISSN: 0022-0957

Record 9 of 20

Title: Rapid activation of specific phospholipase(s) D by cytokinin in Amaranthus assay system

Author(s): Kravets, VS (Kravets, Volodymir S.); Kolesnikov, YS (Kolesnikov, Yaroslav S.); Kretynin, SV (Kretynin, Sergey V.); Getman, IA (Getman, Irina A.); Romanov, GA (Romanov, Georgy A.)

Source: PHYSIOLOGIA PLANTARUM **Volume:** 138 **Issue:** 3 **Pages:** 249-255 **DOI:** 10.1111/j.1399-3054.2009.01324.x **Published:** MAR 2010

Accession Number: WOS:000274336100001

PubMed ID: 19961548

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Romanov, Georgy	A-2028-2008	

ISSN: 0031-9317

Record 10 of 20

Title: Plant Phospholipase D

Author(s): Zhang, WH (Zhang, Wenhua); Wan, XB (Wan, Xiaobo); Hong, YY (Hong, Yueyun); Li, WQ (Li, Weiqi);

Wang, XM (Wang, Xuemin)

Edited by: Munnik T

Source: LIPID SIGNALING IN PLANTS **Book Series:** Plant Cell Monographs **Volume:** 16 **Pages:** 39-62 **DOI:** 10.1007/978-3-642-03873-0_3 **Published:** 2010

Accession Number: WOS:000274503900003

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Wang, Xuemin	M-2853-2013	
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wang, xuemin		0000-0002-6251-6745
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ISSN: 1861-1370

ISBN: 978-3-642-03872-3

Book DOI: 10.1007/978-3-642-03873-0

Record 11 of 20

Title: Nitric Oxide and Phosphatidic Acid Signaling in Plants

Author(s): Distefano, AM (Distefano, Ayelen M.); Lanteri, ML (Luciana Lanteri, M.); ten Have, A (ten Have, Arjen); Garcia-Mata, C (Garcia-Mata, Carlos); Lamattina, L (Lamattina, Lorenzo); Laxalt, AM (Laxalt, Ana M.)

Edited by: Munnik T

Source: LIPID SIGNALING IN PLANTS **Book Series:** Plant Cell Monographs **Volume:** 16 **Pages:** 223-242 **DOI:** 10.1007/978-3-642-03873-0_15 **Published:** 2010

Accession Number: WOS:000274503900015

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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ten Have, Arjen	J-2524-2014	
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		0000-0001-6210-5017
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ISSN: 1861-1370

ISBN: 978-3-642-03872-3

Book DOI: 10.1007/978-3-642-03873-0

Record 12 of 20

Title: Modulation of phospholipase D activity in vitro

Author(s): Mansfeld, J (Mansfeld, Johanna); Ulbrich-Hofmann, R (Ulbrich-Hofmann, Renate)

Source: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS **Volume:** 1791 **Issue:** 9 **Pages:** 913-926 **DOI:** 10.1016/j.bbalip.2009.03.003 **Published:** SEP 2009

Accession Number: WOS:000269868900013

PubMed ID: 19286472

ISSN: 1388-1981

Record 13 of 20

Title: Expression analysis of genes encoding translation initiation factor 3 subunit g (TaeIF3g) and vesicle-associated membrane protein-associated protein (TaVAP) in drought tolerant and susceptible cultivars of wheat

Author(s): Singh, G (Singh, Gurpreet); Jain, M (Jain, Mukesh); Kulshreshtha, R (Kulshreshtha, Ritu); Khurana, JP (Khurana, Jitendra P.); Kumar, S (Kumar, Sanjay); Singh, P (Singh, Prabhjeet)

Source: PLANT SCIENCE **Volume:** 173 **Issue:** 6 **Pages:** 660-669 **DOI:** 10.1016/j.plantsci.2007.09.004 **Published:** DEC 2007

Accession Number: WOS:000250977300008

ISSN: 0168-9452

Record 14 of 20

Title: The role of phospholipase D in plant stress responses

Author(s): Bargmann, BO (Bargmann, Bastiaan O.); Munnik, T (Munnik, Teun)

Source: CURRENT OPINION IN PLANT BIOLOGY **Volume:** 9 **Issue:** 5 **Pages:** 515-522 **DOI:** 10.1016/j.pbi.2006.07.011 **Published:** OCT 2006

Accession Number: WOS:000240795900012

PubMed ID: 16877031

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Munnik, Teun G	-8624-2012	0000-0002-4919-4913

ISSN: 1369-5266

Record 15 of 20

Title: The role of mass spectrometry in plant systems biology

Author(s): Glinski, M (Glinski, M); Weckwerth, W (Weckwerth, W)

Source: MASS SPECTROMETRY REVIEWS **Volume:** 25 **Issue:** 2 **Pages:** 173-214 **DOI:** 10.1002/mas.20063 **Published:** MAR-APR 2006

Accession Number: WOS:000235581500001

PubMed ID: 16284938

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Weckwerth, Wolfram G	-5811-2010	

ISSN: 0277-7037
eISSN: 1098-2787

Record 16 of 20

Title: Involvement of phospholipases C and D in early response to SAR and ISR inducers in Brassica napus plants

Author(s): Profotova, B (Profotova, B.); Burketova, L (Burketova, L.); Novotna, Z (Novotna, Z.); Martinec, J (Martinec, J.); Valentova, O (Valentova, O.)

Source: PLANT PHYSIOLOGY AND BIOCHEMISTRY **Volume:** 44 **Issue:** 2-3 **Pages:** 143-151 **DOI:** 10.1016/j.plaphy.2006.02.003 **Published:** FEB-MAR 2006

Accession Number: WOS:000238946000006

PubMed ID: 16644231

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Martinec, Jan	F-4147-2014	0000-0002-5675-1706
Burketova, Lenka	K-4296-2012	

ISSN: 0981-9428

Record 17 of 20

Title: Deciphering the plant phosphoproteome: tools and strategies for a challenging task

Author(s): Laugesen, S (Laugesen, S); Bergoin, A (Bergoin, A); Rossignol, M (Rossignol, M)

Source: PLANT PHYSIOLOGY AND BIOCHEMISTRY **Volume:** 42 **Issue:** 12 **Pages:** 929-936 **DOI:** 10.1016/j.plaphy.2004.09.007 **Published:** DEC 2004

Accession Number: WOS:000227230500003

PubMed ID: 15707831

ISSN: 0981-9428

Record 18 of 20

Title: Pharmacological evidence that multiple phospholipid signaling pathways link rhizobium nodulation factor perception in Medicago truncatula root hairs to intracellular responses, including Ca²⁺ spiking and specific ENOD gene expression

Author(s): Charron, D (Charron, D); Pingret, JL (Pingret, JL); Chabaud, M (Chabaud, M); Journet, EP (Journet, EP); Barker, DG (Barker, DG)

Source: PLANT PHYSIOLOGY **Volume:** 136 **Issue:** 3 **Pages:** 3582-3593 **DOI:** 10.1104/pp.104.051110 **Published:** NOV 2004

Accession Number: WOS:000225315600019

PubMed ID: 15489277

Author Identifiers:

Author ResearcherID NumberORCID Number

Barker, David A-5671-2013

ISSN: 0032-0889

Record 19 of 20

Title: Activation of phospholipase D induced by hydrogen peroxide in suspension-cultured rice cells

Author(s): Yamaguchi, T (Yamaguchi, T); Tanabe, S (Tanabe, S); Minami, E (Minami, E); Shibuya, N (Shibuya, N)

Source: PLANT AND CELL PHYSIOLOGY **Volume:** 45 **Issue:** 9 **Pages:** 1261-1270 **DOI:**

10.1093/pcp/pch150 **Published:** SEP 2004

Accession Number: WOS:000224706900017

PubMed ID: 15509849

ISSN: 0032-0781

Record 20 of 20

Title: Lipid signaling

Author(s): Wang, XM (Wang, XM)

Source: CURRENT OPINION IN PLANT BIOLOGY **Volume:** 7 **Issue:** 3 **Pages:** 329-336 **DOI:**

10.1016/j.pbi.2004.03.012 **Published:** JUN 2004

Accession Number: WOS:000221573800014

PubMed ID: 15134755

36. **Hynek R.**, Zuzalková L., Sikac Z., Kas J.: Influence of Phosphorylation on Proteolytic Cleavage. *Journal of Liquid Chromatography & Related Technologies* 25 (13-15), 2307-2314 (2002). IF 0,606; SCI 7.

Record 1 of 7

Title: In vitro gastrointestinal digestion of bovine alpha(-)(S1) and alpha(-)(S2)casein variants gives rise to different IgE-binding epitopes

Author(s): Lisson, M (Lisson, Maria); Lochnit, G (Lochnit, Guenther); Erhardt, G (Erhardt, Georg)

Source: INTERNATIONAL DAIRY JOURNAL **Volume:** 34 **Issue:** 1 **Pages:** 47-55 **DOI:**

10.1016/j.idairyj.2013.06.012 **Published:** JAN 2014

Accession Number: WOS:000325979200007

ISSN: 0958-6946

eISSN: 1879-0143

Record 2 of 7

Title: Identification of caseinophosphopeptides generated through in vitro gastro-intestinal digestion of Beaufort cheese

Author(s): Adt, I (Adt, Isabelle); Dupas, C (Dupas, Coralie); Boutrou, R (Boutrou, Rachel); Oulahal, N (Oulahal, Nadia); Noel, C (Noel, Claude); Molle, D (Molle, Daniel); Jouvet, T (Jouvet, Thierry); Degraeve, P (Degraeve, Pascal)

Source: INTERNATIONAL DAIRY JOURNAL **Volume:** 21 **Issue:** 3 **Pages:** 129-134 **DOI:**

10.1016/j.idairyj.2010.10.002 **Published:** MAR 2011

Accession Number: WOS:000286189200001

ISSN: 0958-6946

Record 3 of 7

Title: Characterization of multi-phosphopeptides by mu HPLC-ESI-MS/MS with a alkaline phosphatase treatment

Author(s): Wang, H (Wang, Hui); Duan, JC (Duan, Jicheng); Zhang, LH (Zhang, Lihua); Liang, Z (Liang, Zhen); Zhang, WB (Zhang, Weibing); Zhang, YK (Zhang, Yukui)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 31 **Issue:** 3 **Pages:** 480-487 **DOI:**

10.1002/jssc.200700445 **Published:** FEB 2008

Accession Number: WOS:000253689700006

PubMed ID: 18210378

ISSN: 1615-9306

Record 4 of 7

Title: Effects of dephosphorylation and proteolysis on immunogenicity of caseins

Author(s): Molina, ACT (Molina, A. C. Tezcucano); Alli, I (Alli, I.); Boye, JI (Boye, J. I.)

Source: MILCHWISSENSCHAFT-MILK SCIENCE INTERNATIONAL **Volume:** 62 **Issue:** 4 **Pages:** 371-375 **Published:** 2007

Accession Number: WOS:000250149900002

ISSN: 0026-3788

Record 5 of 7

Title: Purification and identification of water-soluble phosphopeptides from cheese using Fe(III) affinity chromatography and mass spectrometry

Author(s): Lund, M (Lund, M); Ardo, Y (Ardo, Y)

Source: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY **Volume:** 52 **Issue:** 21 **Pages:** 6616-6622 **DOI:** 10.1021/jf0401064 **Published:** OCT 20 2004

Accession Number: WOS:000224509400039

PubMed ID: 15479031

ISSN: 0021-8561

Record 6 of 7

Title: Analysis of protein phosphorylation by hypothesis-driven multiple-stage mass spectrometry

Author(s): Chang, EJ (Chang, EJ); Archambault, V (Archambault, V); McLachlin, DT (McLachlin, DT); Krutchinsky, AN (Krutchinsky, AN); Chait, BT (Chait, BT)

Source: ANALYTICAL CHEMISTRY **Volume:** 76 **Issue:** 15 **Pages:** 4472-4483 **DOI:** 10.1021/ac049637h **Published:** AUG 1 2004

Accession Number: WOS:000223010100046

PubMed ID: 15283590

ISSN: 0003-2700

Record 7 of 7

Title: Dairy enzymology

Author(s): Stepaniak, L (Stepaniak, L)

Source: INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY **Volume:** 57 **Issue:** 2-3 **Pages:** 153-171 **DOI:** 10.1111/j.1471-0307.2004.00144.x **Published:** MAY 2004

Accession Number: WOS:000221081100011

Conference Title: Symposium on 40 years of Dairy Chemistry held in honour of Patrick Fanahan Fox

Conference Date: OCT 22, 2003

Conference Location: Univ Coll Cork, Cork, IRELAND

Conference Sponsors: Soc Dairy Technol

Conference Host: Univ Coll Cork

ISSN: 1364-727X

37. **Hynek R., Vankova H., Tesarova M., Kas J.:** Degree of Phosphorylation of Pepsinogen in Gastric Cancer. *Journal of Liquid Chromatography & Related Technologies* 24 (18), 2801-2814 (2001). IF 0,606, SCI 1:

Record 1 of 1 Title: Highly specific enrichment of phosphopeptides by zirconium dioxide nanoparticles for phosphoproteome analysis **Author(s):** Zhou, HJ (Zhou, Houjiang); Tian, RJ (Tian, Ruijun); Ye, ML (Ye, Mingliang); Xu, SY (Xu, Songyun); Feng, S (Feng, Shun); Pan, CS (Pan, Chensong); Jiang, XG (Jiang, Xiaogang); Li, X (Li, Xin); Zou, HF (Zou, Hanfa) **Source:** ELECTROPHORESIS **Volume:** 28 **Issue:**

13 **Pages:** 2201-2215 **DOI:** 10.1002/elps.200600718 **Published:** JUL 2007 **Accession Number:** WOS:000248190400010 **PubMed ID:** 17539039

38. **Hynek, R., Kozak, A., Drab, V., Sajdok, J. & Kas J.:** Characterization of Casein Phosphopeptides in Cheese Extracts Using a Combination of Immobilized Metal Chelate Affinity Chromatography and Reversed-Phase High-Performance Liquid Chromatography. *Advances in Food Sciences* 21, 192-196 (1999). SCI 3.

Record 1 of 3

By: Adt, I (Adt, Isabelle); Dupas, C (Dupas, Coralie); Boutrou, R (Boutrou, Rachel); Oulahal, N (Oulahal, Nadia); Noel, C (Noel, Claude); Molle, D (Molle, Daniel); Jouvét, T (Jouvét, Thierry); Degraeve, P (Degraeve, Pascal)

Title: Identification of caseinophosphopeptides generated through in vitro gastro-intestinal digestion of Beaufort cheese

Source: INTERNATIONAL DAIRY JOURNAL

Volume: 21

Issue: 3

Pages: 129-134

DOI: 10.1016/j.idairyj.2010.10.002

Published: MAR 2011

ISSN: 0958-6946

Accession Number: WOS:000286189200001

Record 2 of 3

By: Dupas, C (Dupas, Coralie); Adt, I (Adt, Isabelle); Cottaz, A (Cottaz, Amandine); Boutrou, R (Boutrou, Rachel); Molle, D (Molle, Daniel); Jardin, J (Jardin, Julien); Jouvét, T (Jouvét, Thierry); Degraeve, P (Degraeve, Pascal)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
JARDIN, Julien	A-3241-2012	0000-0003-0520-9391

Title: A chromatographic procedure for semi-quantitative evaluation of caseinophosphopeptides in cheese

Source: DAIRY SCIENCE & TECHNOLOGY

Volume: 89

Issue: 6

Pages: 519-529

DOI: 10.1051/dst/2009027

Published: NOV-DEC 2009

ISSN: 1958-5586

Accession Number: WOS:000272419800001

Record 3 of 3

By: Lund, M (Lund, M); Ardo, Y (Ardo, Y)

Title: Purification and identification of water-soluble phosphopeptides from cheese using Fe(III) affinity chromatography and mass spectrometry

Source: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY

Volume: 52

Issue: 21

Pages: 6616-6622

DOI: 10.1021/jf0401064

ISSN: 0021-8561

Accession Number: WOS:000224509400039

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39. **Hynek R.**, Kasicka V., Kucerova, Z., Kas J.: Fast Detection of Phosphorylation of Human Pepsinogen A, Pepsinogen C and Swine Pepsinogen Using Combination of Reversed-Phase HPLC and CZE for Peptide Mapping. *Journal of Chromatography B* 688, 213-220 (1997). IF 2,682; SCI 10:

Record 1 of 10

Title: Application of heptapeptides containing D-amino acid residues immobilized to magnetic particles and Sepharose for the study of binding properties of gastric aspartic proteases

Author(s): Rajcanova, M (Rajcanova, Michaela); Ticha, M (Ticha, Marie); Kucerova, Z (Kucerova, Zdenka)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 35 **Issue:** 15 **Pages:** 1899-1905 **DOI:** 10.1002/jssc.201200221 **Published:** AUG 2012

Accession Number: WOS:000307052500008

PubMed ID: 22753309

ISSN: 1615-9306

eISSN: 1615-9314

Record 2 of 10

Title: Study of pepsin phosphorylation using immobilized metal affinity chromatography

Author(s): Novotna, L (Novotna, Lenka); Hruby, M (Hruby, Martin); Benes, MJ (Benes, Milan J.); Kucerova, Z (Kucerova, Zdenka)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 31 **Issue:** 10 **Pages:** 1662-1668 **DOI:** 10.1002/jssc.200700455 **Published:** JUN 2008

Accession Number: WOS:000256987500002

PubMed ID: 18446814

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Benes, Milan	H-6778-2014	
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Hruby, Martin	H-6479-2014	
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ISSN: 1615-9306

Record 3 of 10

Title: Analysis of calcineurin activity by capillary electrophoresis with laser-induced fluorescence detection using peptide substrate

Author(s): Babar, SME (Babar, Sheikh Md. Enayetul); Song, EJ (Song, Eun Joo); Yoo, YS (Yoo, Young Sook)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 31 **Issue:** 3 **Pages:** 579-587 **DOI:** 10.1002/jssc.200700326 **Published:** FEB 2008

Accession Number: WOS:000253689700017

ISSN: 1615-9306

Record 4 of 10

Title: Posttranslational modifications of collagen studied by off-line coupling of HPLC and CE

Author(s): Mikulikova, K (Mikulikova, K); Eckhardt, A (Eckhardt, A); Miksik, I (Miksik, I)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 29 **Issue:** 8 **Pages:** 1126-1131 **DOI:** 10.1002/jssc.200500398 **Published:** MAY 2006

Accession Number: WOS:000238035900010

PubMed ID: 16830727

Conference Title: 11th International Symposium on Separation Sciences (ISSS 2005)

Conference Date: SEP 12-14, 2005

Conference Location: Pardubice, CZECH REPUBLIC

Conference Sponsors: CEGSS, Univ Pardubice, Dept Analyt Chem, Czech Chem Soc, Grp Chromatog & Electrophoresis

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Miksik, Ivan A-9178-2008 0000-0001-5190-1827
Eckhardt, Adam C-2263-2012 0000-0003-4757-5226
Lacinova, Katerina C-4615-2012
ISSN: 1615-9306

Record 5 of 10

Title: Immobilized-metal-ion affinity chromatography as a tool for the qualitative study of pepsinogen phosphorylation
Author(s): Kucerova, Z (Kucerova, Z); Majercakova, P (Majercakova, P)
Source: JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS **Volume:** 49 **Issue:** 1-3 **Pages:** 523-531 **DOI:** 10.1016/S0165-022X(01)00217-2 **Published:** OCT 30 2001
Accession Number: WOS:000172468700031
PubMed ID: 11694299
ISSN: 0165-022X

Record 6 of 10

Title: Degree of phosphorylation of pepsinogen in gastric cancer
Author(s): Hynek, R (Hynek, R); Vankova, H (Vankova, H); Tesarova, M (Tesarova, M); Kas, J (Kas, J)
Source: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES **Volume:** 24 **Issue:** 18 **Pages:** 2801-2814 **DOI:** 10.1081/JLC-100106949 **Published:** 2001
Accession Number: WOS:000171796000005
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Tesarova, Marketa	I-1531-2016	

ISSN: 1082-6076

Record 7 of 10

Title: Fast analytical-scale separations by capillary electrophoresis and liquid chromatography
Author(s): Kennedy, RT (Kennedy, RT); German, I (German, I); Thompson, JE (Thompson, JE); Witowski, SR (Witowski, SR)
Source: CHEMICAL REVIEWS **Volume:** 99 **Issue:** 10 **Pages:** 3081-+ **DOI:** 10.1021/cr980134j **Published:** OCT 1999
Accession Number: WOS:000083158200009
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Thompson, Jonathan	D-1023-2009	
Kennedy, Robert	G-9095-2016	0000-0003-2447-7471
Thompson, Jonathan		0000-0003-1550-2823

ISSN: 0009-2665

Record 8 of 10

Title: Capillary electrophoresis of peptides
Author(s): Kasicka, V (Kasicka, V)
Source: ELECTROPHORESIS **Volume:** 20 **Issue:** 15-16 **Pages:** 3084-3105 **DOI:** 10.1002/(SICI)1522-2683(19991001)20:15/16<3084::AID-ELPS3084>3.0.CO;2-4 **Published:** OCT 1999
Accession Number: WOS:000085044400007
PubMed ID: 10596817
ISSN: 0173-0835

Record 9 of 10

Title: Peptide maps of porcine pepsin prepared using soluble and immobilized alpha-chymotrypsin.
Author(s): Vankova, H (Vankova, H); Kucerova, Z (Kucerova, Z); Ticha, M (Ticha, M)
Source: COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS **Volume:** 64 **Issue:** 4 **Pages:**

710-716 **DOI:** 10.1135/cccc19990710 **Published:** APR 1999

Accession Number: WOS:000080668900011

ISSN: 0010-0765

Record 10 of 10

Title: Peptide maps

Author(s): Vankova, H (Vankova, H)

Source: CHEMICKE LISTY **Volume:** 93 **Issue:** 2 **Pages:** 120-127 **Published:** 1999

Accession Number: WOS:000078844500005

ISSN: 0009-2770

40. **Hynek, R.,** Sajdok, J., Kucerova, Z. & Kas J. High-Performance Liquid Chromatography Enables Fast Determination of Ratios Between Individual Proteolytic Enzymes in Human Gastric Mucosa, *Sbornik Lekarsky* 97, 135-142 (1996). SCI 2.

Record 1 of 2

By: Kucerova, Z (Kucerova, Z); Majercakova, P (Majercakova, P)

Title: Immobilized-metal-ion affinity chromatography as a tool for the qualitative study of pepsinogen phosphorylation

Source: JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS

Volume: 49

Issue: 1-3

Pages: 523-531

DOI: 10.1016/S0165-022X(01)00217-2

ISSN: 0165-022X

Accession Number: WOS:000172468700031

PubMed ID: 11694299

Record 2 of 2

By: Majercakova, P (Majercakova, P); Kucerova, Z (Kucerova, Z); Desvaux, FX (Desvaux, FX); Peltre, G (Peltre, G)

Title: Electrotitration curves of human gastric pepsinogens in agarose gels

Source: ELECTROPHORESIS

Volume: 21

Issue: 14

Pages: 2919-2924

DOI: 10.1002/1522-2683(20000801)21:14<2919::AID-ELPS2919>3.0.CO;2-H

Published: AUG 2000

ISSN: 0173-0835

Accession Number: WOS:000089275400024

PubMed ID: 11001304

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Record 1 of 20

Title: Application of heptapeptides containing D-amino acid residues immobilized to magnetic particles and Sepharose for the study of binding properties of gastric aspartic proteases

Author(s): Rajcanova, M (Rajcanova, Michaela); Ticha, M (Ticha, Marie); Kucerova, Z (Kucerova, Zdenka)
Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 35 **Issue:** 15 **Pages:** 1899-1905 **DOI:** 10.1002/jssc.201200221 **Published:** AUG 2012
Accession Number: WOS:000307052500008
PubMed ID: 22753309
ISSN: 1615-9306
eISSN: 1615-9314

Record 2 of 20

Title: Peptide inhibitor modified magnetic particles for pepsin separation
Author(s): Filuszova, M (Filuszova, Michaela); Kucerova, Z (Kucerova, Zdenka); Ticha, M (Ticha, Marie)
Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 32 **Issue:** 12 **Pages:** 2017-2021 **DOI:** 10.1002/jssc.200800750 **Published:** JUN 2009
Accession Number: WOS:000267811600003
PubMed ID: 19479760
ISSN: 1615-9306

Record 3 of 20

Title: Posttranslational modifications of collagen studied by off-line coupling of HPLC and CE
Author(s): Mikulikova, K (Mikulikova, K); Eckhardt, A (Eckhardt, A); Miksik, I (Miksik, I)
Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 29 **Issue:** 8 **Pages:** 1126-1131 **DOI:** 10.1002/jssc.200500398 **Published:** MAY 2006
Accession Number: WOS:000238035900010
PubMed ID: 16830727
Conference Title: 11th International Symposium on Separation Sciences (ISSS 2005)
Conference Date: SEP 12-14, 2005
Conference Location: Pardubice, CZECH REPUBLIC
Conference Sponsors: CEGSS, Univ Pardubice, Dept Analyt Chem, Czech Chem Soc, Grp Chromatog & Electrophoresis
Author Identifiers:

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Eckhardt, Adam	C-2263-2012	0000-0003-4757-5226
Lacinova, Katerina	C-4615-2012	

ISSN: 1615-9306

Record 4 of 20

Title: Utilization of newly developed immobilized enzyme reactors for preparation and study of immunoglobulin G fragments
Author(s): Korecka, L (Korecka, L); Bilkova, Z (Bilkova, Z); Holcapek, M (Holcapek, M); Kralovsky, J (Kralovsky, J); Benes, M (Benes, M); Lenfeld, J (Lenfeld, J); Minc, N (Minc, N); Cecal, R (Cecal, R); Viovy, JL (Viovy, JL); Przybylski, M (Przybylski, M)
Source: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES **Volume:** 808 **Issue:** 1 **Special Issue:** SI **Pages:** 15-24 **DOI:** 10.1016/j.jchromb.2004.04.035 **Published:** AUG 25 2004
Accession Number: WOS:000222807600003
PubMed ID: 15236681
Conference Title: 8th International Symposium on Polymer Designs for Bio Separation and Nanobiotechnology
Conference Date: NOV 27-29, 2003
Conference Location: Univ Technol Compiègne, Compiègne, FRANCE
Conference Host: Univ Technol Compiègne
Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Korecka, Lucie N-4785-2016
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ISSN: 1570-0232
eISSN: 1873-376X

Record 5 of 20

Title: Analysis of calcitonin and its analogues by capillary zone electrophoresis and matrix-assisted laser-desorption ionization time-of-flight mass spectrometry

Author(s): Amini, A (Amini, A); Olofsson, IM (Olofsson, IM)

Source: JOURNAL OF SEPARATION SCIENCE **Volume:** 27 **Issue:** 9 **Pages:** 675-685 **DOI:** 10.1002/jssc.20401722 **Published:** JUN 2004

Accession Number: WOS:000222268600006

PubMed ID: 15387462

ISSN: 1615-9306

Record 6 of 20

Title: Titania as a chemo-affinity support for the column-switching HPLC analysis of phosphopeptides: Application to the characterization of phosphorylation sites in proteins by combination with protease digestion and electrospray ionization mass Spectrometry

Author(s): Sano, A (Sano, A); Nakamura, H (Nakamura, H)

Source: ANALYTICAL SCIENCES **Volume:** 20 **Issue:** 5 **Pages:** 861-864 **DOI:** 10.2116/analsci.20.861 **Published:** MAY 2004

Accession Number: WOS:000221413700020

PubMed ID: 15171295

ISSN: 0910-6340

Record 7 of 20

Title: Immobilized-metal-ion affinity chromatography as a tool for the qualitative study of pepsinogen phosphorylation

Author(s): Kucerova, Z (Kucerova, Z); Majercakova, P (Majercakova, P)

Source: JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS **Volume:** 49 **Issue:** 1-3 **Pages:** 523-531 **DOI:** 10.1016/S0165-022X(01)00217-2 **Published:** OCT 30 2001

Accession Number: WOS:000172468700031

PubMed ID: 11694299

ISSN: 0165-022X

Record 8 of 20

Title: Reversed-phase high-performance liquid chromatography of peptides of porcine pepsin prepared by the use of various forms of immobilized alpha-chymotrypsin

Author(s): Vankova, H (Vankova, H); Kucerova, Z (Kucerova, Z); Turkova, J (Turkova, J)

Source: JOURNAL OF CHROMATOGRAPHY B **Volume:** 753 **Issue:** 1 **Pages:** 37-43 **Published:** MAR 25 2001

Accession Number: WOS:000167639700006

PubMed ID: 11302446

Conference Title: 7th International Symposium of the European-Society-for-Biochromatography (ESBC 2000)

Conference Date: MAY 09-11, 2000

Conference Location: NANTES, FRANCE

Conference Sponsors: European Soc Biochromatog

ISSN: 0378-4347

Record 9 of 20

Title: Affinity chromatography of porcine pepsin on different types of immobilized 3,5-diiodo-L-tyrosine

Author(s): Arnostova, H (Arnostova, H); Kucerova, Z (Kucerova, Z); Tislerova, I (Tislerova, I); Trnka, T (Trnka, T); Ticha, M (Ticha, M)

Source: JOURNAL OF CHROMATOGRAPHY A **Volume:** 911 **Issue:** 2 **Pages:** 211-216 **DOI:** 10.1016/S0021-9673(00)01255-3 **Published:** MAR 16 2001

Accession Number: WOS:000167189100007

PubMed ID: 11293582

ISSN: 0021-9673

Record 10 of 20

Title: Degree of phosphorylation of pepsinogen in gastric cancer

Author(s): Hynek, R (Hynek, R); Vankova, H (Vankova, H); Tesarova, M (Tesarova, M); Kas, J (Kas, J)

Source: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES **Volume:** 24 **Issue:** 18 **Pages:** 2801-2814 **DOI:** 10.1081/JLC-100106949 **Published:** 2001

Accession Number: WOS:000171796000005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Tesarova, Marketa	I-1531-2016	

ISSN: 1082-6076

Record 11 of 20

Title: Characterization of a solid-phase extraction device for discontinuous on-line preconcentration in capillary electrophoresis-based peptide mapping

Author(s): Bonneil, E (Bonneil, E); Waldron, KC (Waldron, KC)

Source: JOURNAL OF CHROMATOGRAPHY B **Volume:** 736 **Issue:** 1-2 **Pages:** 273-287 **DOI:** 10.1016/S0378-4347(99)00472-7 **Published:** DEC 24 1999

Accession Number: WOS:000084639700028

PubMed ID: 10677008

ISSN: 0378-4347

Record 12 of 20

Title: Fast analytical-scale separations by capillary electrophoresis and liquid chromatography

Author(s): Kennedy, RT (Kennedy, RT); German, I (German, I); Thompson, JE (Thompson, JE); Witowski, SR (Witowski, SR)

Source: CHEMICAL REVIEWS **Volume:** 99 **Issue:** 10 **Pages:** 3081-+ **DOI:** 10.1021/cr980134j **Published:** OCT 1999

Accession Number: WOS:000083158200009

Author Identifiers:

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Kennedy, Robert	G-9095-2016	0000-0003-2447-7471
Thompson, Jonathan		0000-0003-1550-2823

ISSN: 0009-2665

Record 13 of 20

Title: Peptide maps of porcine pepsin prepared using soluble and immobilized alpha-chymotrypsin.

Author(s): Vankova, H (Vankova, H); Kucerova, Z (Kucerova, Z); Ticha, M (Ticha, M)

Source: COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS **Volume:** 64 **Issue:** 4 **Pages:** 710-716 **DOI:** 10.1135/cccc19990710 **Published:** APR 1999

Accession Number: WOS:000080668900011

ISSN: 0010-0765

Record 14 of 20

Title: Peptide maps

Author(s): Vankova, H (Vankova, H)

Source: CHEMICKE LISTY **Volume:** 93 **Issue:** 2 **Pages:** 120-127 **Published:** 1999

Accession Number: WOS:000078844500005

ISSN: 0009-2770

Record 15 of 20

Title: Peptide purity and counter ion determination of bradykinin by highperformance liquid chromatography and capillary electrophoresis

Author(s): Ridge, S (Ridge, S); Hettiarachchi, K (Hettiarachchi, K)

Source: JOURNAL OF CHROMATOGRAPHY A **Volume:** 817 **Issue:** 1-2 **Pages:** 215-222 **DOI:** 10.1016/S0021-9673(98)00313-6 **Published:** AUG 21 1998

Accession Number: WOS:000075960400027

Conference Title: 11th International Symposium on High Performance Capillary Electrophoresis and Related Microscale Techniques (HPCE 98)

Conference Date: FEB 01-05, 1998

Conference Location: ORLANDO, FLORIDA

ISSN: 0021-9673

Record 16 of 20

Title: Capillary zone electrophoresis of proteins

Author(s): Dolnik, V (Dolnik, V)

Source: ELECTROPHORESIS **Volume:** 18 **Issue:** 12-13 **Pages:** 2353-2361 **DOI:** 10.1002/elps.1150181226 **Published:** NOV 1997

Accession Number: WOS:000071178600025

PubMed ID: 9456050

ISSN: 0173-0835

Record 17 of 20

Title: A microfabricated device for rapid protein identification by microelectrospray ion trap mass spectrometry

Author(s): Figeys, D (Figeys, D); Ning, YB (Ning, YB); Aebersold, R (Aebersold, R)

Source: ANALYTICAL CHEMISTRY **Volume:** 69 **Issue:** 16 **Pages:** 3153-3160 **DOI:** 10.1021/ac970057c **Published:** AUG 15 1997

Accession Number: WOS:A1997XQ97200004

PubMed ID: 9271059

ISSN: 0003-2700

Record 18 of 20

Title: Separation and analysis of peptides and proteins

Author(s): Huhmer, AFR (Huhmer, AFR); Aced, GI (Aced, GI); Perkins, MD (Perkins, MD); Gursoy, RN (Gursoy, RN); Jois, DSS (Jois, DSS); Larive, C (Larive, C); Siahaan, TJ (Siahaan, TJ); Schoneich, C (Schoneich, C)

Source: ANALYTICAL CHEMISTRY **Volume:** 69 **Issue:** 12 **Pages:** R29-R57 **Published:** JUN 15 1997

Accession Number: WOS:A1997XE48300003

PubMed ID: 9195854

Author Identifiers:

Author	ResearchID Number	ORCID Number
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Larive, Cynthia E	E-4640-2012	
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ISSN: 0003-2700

Record 19 of 20

Title: High sensitivity identification of proteins by electrospray ionization tandem mass spectrometry: Initial

comparison between an ion trap mass spectrometer and a triple quadrupole mass spectrometer

Author(s): Figeys, D (Figeys, D); Aebersold, R (Aebersold, R)

Source: ELECTROPHORESIS **Volume:** 18 **Issue:** 3-4 **Pages:** 360-368 **DOI:** 10.1002/elps.1150180310 **Published:** MAR-APR 1997

Accession Number: WOS:A1997WW35800009

PubMed ID: 9150914

Conference Title: 2nd Siena 2D Electrophoresis - From Genome to Proteome

Conference Date: SEP 16-18, 1996

Conference Location: SIENA, ITALY

ISSN: 0173-0835

Record 20 of 20

Title: Fast detection of phosphorylation of human pepsinogen A, human pepsinogen C and swine pepsinogen using a combination of reversed-phase high-performance liquid chromatography and capillary zone electrophoresis for peptide mapping

Author(s): Hynek, R (Hynek, R); Kasicka, V (Kasicka, V); Kucerova, Z (Kucerova, Z); Kas, J (Kas, J)

Source: JOURNAL OF CHROMATOGRAPHY B **Volume:** 688 **Issue:** 2 **Pages:** 213-220 **DOI:** 10.1016/S0378-4347(96)00293-9 **Published:** JAN 24 1997

Accession Number: WOS:A1997WV31200006

PubMed ID: 9061458

ISSN: 0378-4347

42. **Hynek, R.:** High-Performance Liquid Chromatography of Proteins, *Chemické Listy* 89, 93-99 (1995). IF 0,272; SCI 2:

Record 1 of 2

Title: Isolation and Determination of Lactoferrin in Human Saliva

Author(s): Skalickova, S (Skalickova, Sylvie); Zitka, O (Zitka, Ondrej); Krizkova, S (Krizkova, Sona); Vlkova, M (Vlkova, Marcela); Sochor, J (Sochor, Jiri); Adam, V (Adam, Vojtech); Kizek, R (Kizek, Rene)

Source: CHEMICKE LISTY **Volume:** 108 **Issue:** 1 **Pages:** 56-63 **Published:** 2014

Accession Number: WOS:000331796000010

ISSN: 0009-2770

eISSN: 1213-7103

Record 2 of 2

Title: Stationary phases for affinity chromatography

Author(s): Varilova, T (Varilova, T)

Source: CHEMICKE LISTY **Volume:** 99 **Issue:** 8 **Pages:** 570-577 **Published:** 2005

Accession Number: WOS:000231377100002

ISSN: 0009-2770