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624	.		
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622	Matrix-Free Laser Desorption Ionization Mass Spectrometry as an Efficient Tool for the Rapid Detection of Opiates in Crude Extracts of Papaver somniferum.		
621	Nucleic Acids Research: VOLUME 37 ISSUE 17 2009. 2009 , 37, i-i		78
620	Molecular mass spectrometry imaging in biomedical and life science research. 2010 , 134, 423-43		61
619	Current literature in mass spectrometry. 2010 , 45, 1358-1369		
618	Ionspray microchip. 2010 , 24, 2584-90		4
617	Poly[N-(2-hydroxypropyl)methacrylamide]-based tissue-embedding medium compatible with MALDI mass spectrometry imaging experiments. <i>Analytical Chemistry</i> , 2011 , 83, 5458-62	7.8	42
616	Validation of speciation techniques: a study of chlorozincate(II) ionic liquids. 2011 , 50, 5258-71		75
615	Two-step matrix application for the enhancement and imaging of latent fingerprints. <i>Analytical Chemistry</i> , 2011 , 83, 5585-91	7.8	75
614	Potent inhibition of protein tyrosine phosphatases by quinquedentate binuclear copper complexes: synthesis, characterization and biological activities. 2011 , 40, 12926-34		28

613	Expression and purification of myristoylated matrix protein of Mason-Pfizer monkey virus for NMR and MS measurements. 2011 , 79, 122-7		9
612	Time-dependent oxidation during nano-assisted laser desorption ionization mass spectrometry: a useful tool for structure determination or a source of possible confusion?. <i>Analytical Chemistry</i> , 2011 , 83, 5661-5	7.8	14
611	Scenedosporium and Pseudallescheria low molecular weight metabolites revealed by database search. 2011 , 54 Suppl 3, 37-42		3
610	Alpha spectrometry and secondary ion mass spectrometry of electrodeposited uranium films. 2011 , 289, 611-615		12
609	MALDI-MS imaging of lipids in ex vivo human skin. 2011 , 401, 115-25		72
608	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). 2011 , 25, 1631-40		40
607	Formation of amide- and imide-linked degradation products between the peptide drug oxytocin and citrate in citrate-buffered formulations. 2011 , 100, 3018-22		20
606	Dinuclear copper complexes of organic claw: potent inhibition of protein tyrosine phosphatases. 2011 , 105, 1138-47		19
605	Matrix-assisted laser desorption ionization (MALDI)-time of flight mass spectrometry- and MALDI biotyper-based identification of cultured biphenyl-metabolizing bacteria from contaminated horseradish rhizosphere soil. 2011 , 77, 6858-66		61
604	Comamonas testosteron synthase, a bifunctional glycosyltransferase that produces a unique heparosan polysaccharide analog. 2011 , 21, 1331-40		8
603	Structural basis for the 14-3-3 protein-dependent inhibition of the regulator of G protein signaling 3 (RGS3) function. 2011 , 286, 43527-36		24
602	An FMN hydrolase of the haloacid dehalogenase superfamily is active in plant chloroplasts. 2011 , 286, 42091-42098		14
601	Stable isotope peptide mass spectrometry to decipher amino acid metabolism in Dehalococcoides strain CBDB1. 2012 , 194, 4169-77		21
600	msCompare: a framework for quantitative analysis of label-free LC-MS data for comparative candidate biomarker studies. 2012 , 11, M111.015974		34
599	Paramecium bursaria chlorella virus 1 encodes a polyamine acetyltransferase. 2012 , 287, 9547-51		9
598	Deep amino acid sequencing of native brain GABAA receptors using high-resolution mass spectrometry. 2012 , 11, M111.011445		49
597	Characterization of Modified RNA by Top-Down Mass Spectrometry. 2012 , 124, 11451-11454		10
596	Characterization of modified RNA by top-down mass spectrometry. 2012 , 51, 11289-92		49

595	Does Electron Capture Dissociation Cleave Protein Disulfide Bonds?. 2012 , 1, 260		37
594	Separation of overlapping fingerprints by matrix assisted laser desorption ionisation mass spectrometry imaging. 2012 , 222, 318-26		57
593	Achroma: a software strategy for analysing (a-)typical mass-spectrometric data. 2012 , 4, 1060		2
592	Dissociation of recombinant prion protein fibrils into short protofilaments: implications for the endocytic pathway and involvement of the N-terminal domain. 2012 , 51, 4600-8		14
591	Mass spectrometry-based identification of native cardiac Nav1.5 channel β subunit phosphorylation sites. 2012 , 11, 5994-6007		39
590	Brevisulcenal-F: a polycyclic ether toxin associated with massive fish-kills in New Zealand. 2012 , 134, 4963-8		35
589	The structural aspects of the copper(II) binding by the His-analogue of somatostatin. 2012 , 42, 236-242		3
588	Chemical characterization of latent fingerprints by matrix-assisted laser desorption ionization, time-of-flight secondary ion mass spectrometry, mega electron volt secondary mass spectrometry, gas chromatography/mass spectrometry, X-ray photoelectron spectroscopy, and attenuated total reflection Fourier transform infrared spectroscopic imaging: an inter-comparison. <i>Analytical Chemistry</i> , 80, 1000-1010	7.8	73
587	Instrumentation and software for mass spectrometry imaging--making the most of what you've got. 2012 , 75, 4931-4940		20
586	Structural investigation of a glycoprotein from gum ghatti. 2012 , 89, 749-58		17
585	Deconvolution of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry isotope patterns to determine ratios of A-type to B-type interflavan bonds in cranberry proanthocyanidins. 2012 , 135, 1485-93		46
584	In-situ enrichment of phosphopeptides on MALDI plates modified by ambient ion landing. 2012 , 47, 1294-302		18
583	PyMS: a Python toolkit for processing of gas chromatography-mass spectrometry (GC-MS) data. Application and comparative study of selected tools. 2012 , 13, 115		48
582	Site-specific PEGylation at histidine tags. 2012 , 23, 248-63		57
581	Design and studies of novel polyoxysterol-based porphyrin conjugates. 2012 , 77, 1169-75		17
580	Plant-microorganism interactions in bioremediation of polychlorinated biphenyl-contaminated soil. 2012 , 30, 15-22		34
579	Comparison of isolated cranberry (<i>Vaccinium macrocarpon</i> Ait.) proanthocyanidins to catechin and procyanidins A2 and B2 for use as standards in the 4-(dimethylamino)cinnamaldehyde assay. 2012 , 60, 4578-85		65
578	<i>Pediococcus lolii</i> DSM 19927T and JCM 15055T are strains of <i>Pediococcus acidilactici</i> . 2012 , 62, 3105-3108		36

577	Mass spectrometric identification of silver nanoparticles: the case of Ag ₃₂ (SG) ₁₉ . <i>Analytical Chemistry</i> , 2012 , 84, 5304-8	7.8	104
576	Accelerated identification of proteins by mass spectrometry by employing covalent pre-gel staining with Uniblue A. 2012 , 7, e31438		7
575	Analysis of Staphylococcus enterotoxin B using differential isotopic tags and liquid chromatography quadrupole ion trap mass spectrometry. 2012 , 26, 1049-57		17
574	How ubiquitin unfolds after transfer into the gas phase. 2012 , 23, 1011-4		81
573	MALDI-mass spectrometry imaging of desalted rat brain sections reveals ischemia-mediated changes of lipids. 2012 , 404, 113-24		40
572	Novel zirconium (IV) and hafnium (IV) phthalocyanines with dibenzoylmethane as out-of-plane ligand: Synthesis, X-ray structure and fluorescent properties. 2012 , 94, 187-194		15
571	The role of the Asp residue in copper(II) binding by modified peptides. 2012 , 53, 1652-1655		
570	The interaction of the ubiquitin 50-59 fragment with copper(II) ions. 2012 , 110, 40-5		3
569	Purification and biochemical characterization of functional complement factor H from human plasma fractions. 2012 , 103, 201-12		12
568	Expansion of the amino acid repertoire in protein biosynthesis in silkworm cells. 2012 , 13, 61-5		1
567	Collagen-based proteinaceous binder-pigment interaction study under UV ageing conditions by MALDI-TOF-MS and principal component analysis. 2012 , 47, 322-30		20
566	Chromatography, mass spectrometry, and molecular modeling studies on amodytoxins. 2012 , 402, 2737-48		4
565	Vascular Proteomics. 2013 ,		
564	The synaptic proteome in Alzheimer's disease. 2013 , 9, 499-511		33
563	Identification of novel antioxidant peptides generated in Spanish dry-cured ham. 2013 , 138, 1282-8		99
562	Matrix assisted laser desorption ionisation ion mobility separation mass spectrometry imaging of ex-vivo human skin. 2013 , 16, 71-83		12
561	Incorrectly annotated keratin derived peptide sequences lead to misleading MS/MS data interpretation. 2013 , 91, 270-3		5
560	The role of heat stress on the age related protein carbonylation. 2013 , 89, 238-54		9

559	Biochemical characterization of stallion prostasomes and comparison to their human counterparts. 2013 , 59, 297-303		4
558	A down-scaled fluorimetric determination of the solubility properties of drugs to minimize waste generation. 2013 , 15, 2558		3
557	Is the microbiological quality of the Msunduzi River (KwaZulu-Natal, South Africa) suitable for domestic, recreational, and agricultural purposes?. 2013 , 20, 6551-62		27
556	Towards the integration of matrix assisted laser desorption ionisation mass spectrometry imaging into the current fingerprint examination workflow. 2013 , 232, 111-24		41
555	A mimetic tissue model for the quantification of drug distributions by MALDI imaging mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 10099-106	7.8	135
554	Antibody-free LC-MS/MS quantification of rhTRAIL in human and mouse serum. <i>Analytical Chemistry</i> , 2013 , 85, 10754-60	7.8	21
553	S-nitrosoglutathione covalently modifies cysteine residues of human carbonyl reductase 1 and affects its activity. 2013 , 202, 136-45		9
552	Purification and Identification of antihypertensive peptides in Spanish dry-cured ham. 2013 , 78, 499-507		94
551	A shift from N-glycolyl- to N-acetyl-sialic acid in the GM3 ganglioside impairs tumor development in mouse lymphocytic leukemia cells. 2013 , 30, 687-99		16
550	Sulfo-N-succinimidyl oleate (SSO) inhibits fatty acid uptake and signaling for intracellular calcium via binding CD36 lysine 164: SSO also inhibits oxidized low density lipoprotein uptake by macrophages. 2013 , 288, 15547-55		93
549	Design of a low-temperature plasma (LTP) probe with adjustable output temperature and variable beam diameter for the direct detection of organic molecules. 2013 , 27, 629-34		25
548	IMPROVED APPROACH FOR THE LABELING OF ARGININE, GLUTAMIC, AND ASPARTIC ACID SIDE CHAINS IN PROTEINS USING CHROMATOGRAPHIC TECHNIQUES. 2013 , 36, 1221-1230		3
547	Pyteomics--a Python framework for exploratory data analysis and rapid software prototyping in proteomics. 2013 , 24, 301-4		110
546	Synthesis and structural characterization of an atom-precise bimetallic nanocluster, Ag ₄ Ni ₂ (DMSA) ₄ . 2013 , 135, 26-9		47
545	Development of a metabolically stable neurotensin receptor 2 (NTS2) ligand. 2013 , 8, 75-81		28
544	The potential of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the identification of biogroups of <i>Cronobacter sakazakii</i> . 2013 , 27, 409-18		14
543	New mononuclear copper(II) complex based on a salen derivative ligand with an unusual coordination and its catecholase activity. 2013 , 37, 34-38		18
542	Identification of novel tumor markers for oral squamous cell carcinoma using glycoproteomic analysis. 2013 , 420, 45-53		21

541	One-step separation of myristoylated and nonmyristoylated retroviral matrix proteins. 2013 , 92, 94-9		3
540	Heat-mediated enrichment of β -synuclein from cells and tissue for assessing post-translational modifications. 2013 , 126, 673-84		16
539	Analysis of the glycosylation pattern of plant copper amine oxidases by MALDI-TOF/TOF MS coupled to a manual chromatographic separation of glycans and glycopeptides. 2013 , 34, 2357-67		13
538	Spectroscopic imaging based approach for condom identification in condom contaminated fingerprints. 2013 , 138, 2546-57		49
537	Sialic acid capture-and-release and LC-MS(n) analysis of glycopeptides. 2013 , 951, 79-100		8
536	Oligonucleotide functionalization by a novel alkyne-modified nonnucleosidic reagent obtained by versatile building block chemistry. 2013 , 32, 306-19		6
535	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(II) half-sandwich complex. 2013 , 42, 5174-82		26
534	Curcumin: a multipurpose matrix for MALDI mass spectrometry imaging applications. <i>Analytical Chemistry</i> , 2013 , 85, 5240-8	7.8	55
533	Metabolites secreted by human atherothrombotic aneurysm. 2013 , 1000, 103-13		1
532	Characterization of molecules binding to the 70K N-terminal region of fibronectin by IFAST purification coupled with mass spectrometry. 2013 , 12, 3393-404		13
531	An analytical workflow for the molecular dissection of irreversibly modified fluorescent proteins. 2013 , 405, 8789-98		1
530	Spatially-directed protein identification from tissue sections by top-down LC-MS/MS with electron transfer dissociation. <i>Analytical Chemistry</i> , 2013 , 85, 6767-74	7.8	55
529	Proteins involved in distinct phases of cold hardening process in frost resistant winter barley (<i>Hordeum vulgare</i> L.) cv Luxor. 2013 , 14, 8000-24		36
528	Photodissociation and Dissociative Photoionization Mass Spectrometry of Proteins and Noncovalent Protein-Ligand Complexes. 2013 , 125, 8535-8539		5
527	Photodissociation and dissociative photoionization mass spectrometry of proteins and noncovalent protein-ligand complexes. 2013 , 52, 8377-81		43
526	Secondary ion mass spectrometry imaging of <i>Dictyostelium discoideum</i> aggregation streams. 2014 , 9, e99319		13
525	Influence of nonenzymatic posttranslational modifications on constitution, oligomerization and receptor binding of S100A12. 2014 , 9, e113418		9
524	A mechanism for actin filament severing by malaria parasite actin depolymerizing factor 1 via a low affinity binding interface. 2014 , 289, 4043-54		21

523	Gluconobacter cerevisiae sp. nov., isolated from the brewery environment. 2014 , 64, 1134-1141	26
522	Radiocarbon and Protein Analyses Indicate an Early Holocene Age for the Osseous Rod from Grenfell, Saskatchewan, Canada. 2014 , 79, 782-793	11
521	"Afterlife experiment": use of MALDI-MS and SIMS imaging for the study of the nitrogen cycle within plants. <i>Analytical Chemistry</i> , 2014 , 86, 10071-7	7.8 18
520	In Situ Generation of Plasma-Polymer Standards by Plasma Assisted Free Radical Polymerization. 2014 , 11, 931-942	9
519	Compositional and structural analysis of selected chromosomal domains from <i>Saccharomyces cerevisiae</i> . 2014 , 42, e2	18
518	Substrate specificity and kinetic characterization of peptidoglycan O-acetyltransferase B from <i>Neisseria gonorrhoeae</i> . 2014 , 289, 16748-60	21
517	Spinoza and the Problem of Mental Representation. 2014 , 54, 75-87	2
516	<i>Acetobacter lambici</i> sp. nov., isolated from fermenting lambic beer. 2014 , 64, 1083-1089	36
515	Cost-effective method for the preparation of uniformly labeled myristoylated proteins for NMR measurements. 2014 , 99, 6-9	1
514	Matrix-assisted laser desorption/ionization mass spectrometry imaging of cardiolipins in rat organ sections. 2014 , 406, 565-75	7
513	Identification of proteins interacting with ammodytoxins in <i>Vipera ammodytes ammodytes</i> venom by immuno-affinity chromatography. 2014 , 406, 293-304	16
512	MASSyPup--an 'out of the box' solution for the analysis of mass spectrometry data. 2014 , 49, 37-42	14
511	Expression and characterization of plant aspartic protease nepenthesin-1 from <i>Nepenthes gracilis</i> . 2014 , 95, 121-8	28
510	VaSP1, catalytically active serine proteinase from <i>Vipera ammodytes ammodytes</i> venom with unconventional active site triad. 2014 , 77, 93-104	7
509	Direct detection of blood in fingerprints by MALDI MS profiling and imaging. 2014 , 54, 110-7	39
508	Changes in signal transducer and activator of transcription 3 (STAT3) dynamics induced by complexation with pharmacological inhibitors of Src homology 2 (SH2) domain dimerization. 2014 , 289, 32538-47	30
507	Ratio of "A-type" to "B-type" proanthocyanidin interflavan bonds affects extra-intestinal pathogenic <i>Escherichia coli</i> invasion of gut epithelial cells. 2014 , 62, 3919-25	58
506	Mechanistic investigation of a flame retardant coating made by layer-by-layer assembly. 2014 , 4, 43326-43334	21

505	Structure- and concentration-specific assessment of the physiological reactivity of β -dicarbonyl glucose degradation products in peritoneal dialysis fluids. 2014 , 27, 1421-30	22
504	Supercritical fluid extraction (SFE) of cranberries does not extract oligomeric proanthocyanidins (PAC) but does alter the chromatography and bioactivity of PAC fractions extracted from SFE residues. 2014 , 62, 7730-7	15
503	Exploration of cardanol-based phenolated and epoxidized resins by size exclusion chromatography and MALDI mass spectrometry. 2014 , 843, 46-58	8
502	A cubic Fe ₄ Mo ₄ oxo framework and its reversible four-electron redox chemistry. 2014 , 53, 7294-308	5
501	SP10 infectivity is aborted after bacteriophage SP10 infection induces nonA transcription on the prophage SP10 region of the Bacillus subtilis genome. 2014 , 196, 693-706	9
500	The Titan Haze Simulation experiment on COSMIC: Probing Titan's atmospheric chemistry at low temperature. 2014 , 243, 325-336	23
499	Revisiting Secondary Structures in NCA Polymerization: Influences on the Analysis of Protected Polylysines. 2014 , 47, 928-936	71
498	Spectroscopic Compositional Analysis of Electrolyte during Initial SEI Layer Formation. 2014 , 118, 17383-17394	23
497	Vibrio madracius sp. nov. isolated from Madracis decactis (Scleractinia) in St Peter & St Paul Archipelago, Mid-Atlantic Ridge, Brazil. 2014 , 69, 405-11	12
496	Differentiation of Cronobacter spp. by tryptic digestion of the cell suspension followed by MALDI-TOF MS analysis. 2014 , 98, 105-13	13
495	Isolation and structural characterization of a silver-platinum nanocluster, Ag ₄ Pt ₂ (DMSA) ₄ . 2014 , 118, 8314-9	20
494	Structure elucidation of ACE-inhibitory and antithrombotic peptides isolated from mackerel skin gelatine hydrolysates. 2014 , 94, 1663-71	31
493	Acetobacter sicerae sp. nov., isolated from cider and kefir, and identification of species of the genus Acetobacter by dnaK, groEL and rpoB sequence analysis. 2014 , 64, 2407-2415	28
492	Identification of novel downstream molecules of tissue factor activation by comparative proteomic analysis. 2014 , 13, 477-88	3
491	Tomato Cutin Deficient 1 (CD1) and putative orthologs comprise an ancient family of cutin synthase-like (CUS) proteins that are conserved among land plants. 2014 , 77, 667-75	70
490	Matrilysin/matrix metalloproteinase-7(MMP7) cleavage of perlecan/HSPG2 creates a molecular switch to alter prostate cancer cell behavior. 2014 , 36, 64-76	49
489	Structure elucidation of chlorophyll catabolites (phyllobilins) by ESI-mass spectrometry-Pseudo-molecular ions and fragmentation analysis of a nonfluorescent chlorophyll catabolite (NCC). 2014 , 365-366, 48-55	28
488	Peptide mass mapping as an effective tool for historical mortar analysis. 2014 , 50, 219-225	22

487	TOF-SIMS/MALDI-TOF combination for the molecular weight depth profiling of polymeric bilayer. 2014 , 128, 23-26	8
486	6-(Tetrazol-5-yl)-2,2'-bipyridine: a highly selective ligand for the separation of lanthanides(III) and actinides(III). 2014 , 53, 8949-58	16
485	Molecular basis of substrate recognition and degradation by human prosequence protease. 2014 , 22, 996-1007	28
484	<i>Streptococcus moroccensis</i> sp. nov. and <i>Streptococcus rifensis</i> sp. nov., isolated from raw camel milk. 2014 , 64, 2480-2485	10
483	Open source libraries and frameworks for mass spectrometry based proteomics: a developer's perspective. 2014 , 1844, 63-76	59
482	Split-and-pool synthesis and characterization of peptide tertiary amide library. 2014 , e51299	1
481	cMass - a component-based development framework for mass spectrometry application. 2015 ,	
480	Identification of <i>Bacillus</i> strains by MALDI TOF MS using geometric approach. 2015 , 5, 16989	30
479	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 Alonso Cano (17th century) as a case study. 2015 , 21, 19-26	2
478	Age-related changes in the lateral lipid distribution in a human lens described by mass spectrometry imaging. 2015 , 21, 297-303	8
477	ChiMS: Open-source instrument control software platform on LabVIEW for imaging/depth profiling mass spectrometers. 2015 , 86, 065106	7
476	Octanoylation of early intermediates of mycobacterial methylglucose lipopolysaccharides. 2015 , 5, 13610	9
475	Animal origin of 13th-century uterine vellum revealed using noninvasive peptide fingerprinting. 2015 , 112, 15066-71	89
474	Aggregation of a Crown Ether Decorated Zinc-Phthalocyanine by Collision-Induced Desolvation of Electrospray Droplets. 2015 , 119, 11454-60	6
473	Mass-Up: an all-in-one open software application for MALDI-TOF mass spectrometry knowledge discovery. 2015 , 16, 318	68
472	Decellularization of intact tissue enables MALDI imaging mass spectrometry analysis of the extracellular matrix. 2015 , 50, 1288-93	29
471	Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification. 2015 , 50, 1270-8	17
470	MALDI imaging reveals lipid changes in the skin of leprosy patients before and after multidrug therapy (MDT). 2015 , 50, 1374-85	12

469	Azide-rich peptides via an on-resin diazotransfer reaction. 2015 , 104, 419-26		5
468	Water Sensitive Coatings Deposited by Aerosol Assisted Atmospheric Plasma Process: Tailoring the Hydrolysis Rate by the Precursor Chemistry. 2015 , 12, 1293-1301		12
467	Thermal Analysis Goes With Mass Spectrometry to Evaluate the Molecular Weight of a Fluorinated Plasma Polymer. 2015 , 12, 980-990		3
466	Knowledge Discovery in Proteomic Mass Spectrometry Data. 2015 , 503-519		
465	Real-Time High-Resolution Tandem Mass Spectrometry Identifies Furan Derivatives in Exhaled Breath. <i>Analytical Chemistry</i> , 2015 , 87, 6919-24	7.8	16
464	Mapping protein structural changes by quantitative cross-linking. 2015 , 89, 112-20		25
463	A molecular ruler regulates cytoskeletal remodelling by the Rho kinases. 2015 , 6, 10029		36
462	MassyTools: A High-Throughput Targeted Data Processing Tool for Relative Quantitation and Quality Control Developed for Glycomic and Glycoproteomic MALDI-MS. 2015 , 14, 5088-98		80
461	Probing Asymmetric Charge Partitioning of Protein Oligomers during Tandem Mass Spectrometry. 2015 , 390, 132-136		6
460	Urban Networks and Arctic Outlands: Craft Specialists and Reindeer Antler in Viking Towns. 2015 , 18, 679-704		33
459	Using ZooMS to identify fragmentary bone from the Late Middle/Early Upper Palaeolithic sequence of Les Cottés, France. 2015 , 54, 279-286		62
458	Native GELFrEE: a new separation technique for biomolecular assemblies. <i>Analytical Chemistry</i> , 2015 , 87, 3032-8	7.8	30
457	Fabry disease: renal sphingolipid distribution in the Gal A knockout mouse model by mass spectrometric and immunohistochemical imaging. 2015 , 407, 2283-91		16
456	Isolation, identification and synthesis of four novel antioxidant peptides from rice residue protein hydrolyzed by multiple proteases. 2015 , 179, 290-5		87
455	Binding site of different tannins on a human salivary proline-rich protein evidenced by dissociative photoionization tandem mass spectrometry. 2015 , 71, 3039-3044		30
454	Cluster-based comparison of the peptide mass fingerprint obtained by MALDI-TOF mass spectrometry. A case study: long-term stability of rituximab. 2015 , 140, 1717-30		2
453	Identification of carbonylated lipids from different phospholipid classes by shotgun and LC-MS lipidomics. 2015 , 407, 5161-73		24
452	Synthesis, structure, magnetism, and hydrolase and catecholase activity of a new trinuclear copper(II) complex. 2015 , 435, 153-158		18

451	Determination of Histidine pKa Values in the Propeptides of Furin and Proprotein Convertase 1/3 Using Histidine Hydrogen-Deuterium Exchange Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 7909-7917	7
450	A peptidomic approach to study the contribution of added casein proteins to the peptide profile in Spanish dry-fermented sausages. 2015 , 212, 41-8	31
449	Detection and mapping of illicit drugs and their metabolites in fingerprints by MALDI MS and compatibility with forensic techniques. 2015 , 5, 11716	57
448	Photoageing of cardanol: characterization, circumvention by side chain methoxylation and application for photocrosslinkable polymers. 2015 , 5, 54899-54912	9
447	Alternative surfactants for improved efficiency of in situ tryptic proteolysis of fingerprints. 2015 , 26, 862-72	19
446	Action spectroscopy of a protonated peptide in the ultraviolet range. 2015 , 17, 25725-33	25
445	Zinc(II)-methimazole complexes: synthesis and reactivity. 2015 , 44, 9805-14	6
444	The use of hydrazine-based derivatization reagents for improved sensitivity and detection of carbonyl containing compounds using MALDI-MSI. 2015 , 407, 2085-94	31
443	A method to prevent protein delocalization in imaging mass spectrometry of non-adherent tissues: application to small vertebrate lens imaging. 2015 , 407, 2311-20	24
442	Absolute quantification of the total and antidrug antibody-bound concentrations of recombinant human β -glucosidase in human plasma using protein G extraction and LC-MS/MS. <i>Analytical Chemistry</i> , 2015 , 87, 4394-401	7.8 15
441	Atmospheric Pressure Plasma Initiated Chemical Vapor Deposition Using Ultra-Short Square Pulse Dielectric Barrier Discharge. 2015 , 12, 66-74	27
440	Lateral resolution in MALDI MSI: back to the future. 2015 , 407, 2141-7	7
439	Synthesis, crystal structure and investigation of mononuclear copper(II) and zinc(II) complexes of a new carboxylate rich tripodal ligand and their interaction with carbohydrates in alkaline aqueous solution. 2015 , 149, 25-38	10
438	Synthesis, characterization, hydrolase and catecholase activity of a dinuclear iron(III) complex: Catalytic promiscuity. 2015 , 146, 77-88	38
437	MSI.R scripts reveal volatile and semi-volatile features in low-temperature plasma mass spectrometry imaging (LTP-MSI) of chilli (<i>Capsicum annuum</i>). 2015 , 407, 5673-84	17
436	Mixed copper-platinum complex formation could explain synergistic antiproliferative effect exhibited by binary mixtures of cisplatin and copper-1,10-phenanthroline compounds: An ESI-MS study. 2015 , 151, 107-14	19
435	Assessment of meat authenticity using bioinformatics, targeted peptide biomarkers and high-resolution mass spectrometry. 2015 , 32, 1709-17	37
434	Speciation of the Potential Antitumor Agent Vanadocene Dichloride in the Blood Plasma and Model Systems. 2015 , 54, 8237-50	19

433	Enterococcus bulliens sp. nov., a novel lactic acid bacterium isolated from camel milk. 2015 , 108, 1257-65	14
432	Recombinant Nepenthesin II for Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 6681-7	7.8 41
431	Distribution and quantification of irinotecan and its active metabolite SN-38 in colon cancer murine model systems using MALDI MSI. 2015 , 407, 2107-16	66
430	Streptococcus tangierensis sp. nov. and Streptococcus cameli sp. nov., two novel Streptococcus species isolated from raw camel milk in Morocco. 2015 , 107, 503-10	7
429	Titin-derived peptides as processing time markers in dry-cured ham. 2015 , 167, 326-39	36
428	Spatial segmentation of MALDI FT-ICR MSI data: a powerful tool to explore the head and neck tumor in situ lipidome. 2015 , 26, 36-43	24
427	Metabolic study of enrofloxacin and metabolic profile modifications in broiler chicken tissues after drug administration. 2015 , 172, 30-9	14
426	Fluorescent labeling of cranberry proanthocyanidins with 5-([4,6-dichlorotriazin-2-yl]amino)fluorescein (DTAF). 2015 , 166, 337-345	9
425	Longipin: An Amyloid Antimicrobial Peptide from the Harvestman Acutisoma longipes (Arachnida: Opiliones) with Preferential Affinity for Anionic Vesicles. 2016 , 11, e0167953	10
424	The Definitive Evidence of a Plasma Copolymerization of Alkyl and Perfluorinated Acrylates Using High Resolution Mass Spectrometry and Mass Defect Analysis. 2016 , 13, 862-868	13
423	Characterization of the catalytic disulfide bond in E. coli 4-thiouridine synthetase to elucidate its functional quaternary structure. 2016 , 25, 1737-43	5
422	Proteomics goes forensic: Detection and mapping of blood signatures in fingerprints. 2016 , 16, 1707-17	32
421	Proteomic and peptidomic profiling of Brazilian artisanal 'Coalho' cheese. 2016 , 96, 4337-44	15
420	Transformation of raw feather waste into digestible peptides and amino acids. 2016 , 91, 1629-1637	42
419	Htm1p-Pdi1p is a folding-sensitive mannosidase that marks N-glycoproteins for ER-associated protein degradation. 2016 , 113, E4015-24	19
418	Comparative top down proteomics of peripheral blood mononuclear cells from kidney transplant recipients with normal kidney biopsies or acute rejection. 2016 , 16, 2048-58	16
417	Carbon nanocoatings: A new approach to recording mass spectra of low-molecular compounds using surface-assisted laser desorption/ionization mass spectrometry. 2016 , 71, 1221-1227	7
416	Identification of sixteen peptides reflecting heat and/or storage induced processes by profiling of commercial milk samples. 2016 , 147, 66-75	31

415	An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid MALDI-TOF mass spectra profile. 2016 , 155, 53-61		8
414	How Suitable is Matrix-Assisted Laser Desorption/Ionization-Time-of-Flight for Metabolite Imaging from Clinical Formalin-Fixed and Paraffin-Embedded Tissue Samples in Comparison to Matrix-Assisted Laser Desorption/Ionization-Fourier Transform Ion Cyclotron Resonance Mass Spectrometry?. <i>Analytical Chemistry</i> , 2016 , 88, 5281-9	7.8	21
413	Discovery of a novel covalent non-β-lactam inhibitor of the metallo-β-lactamase NDM-1. 2016 , 24, 2947-2953		38
412	FgLPMO9A from <i>Fusarium graminearum</i> cleaves xyloglucan independently of the backbone substitution pattern. 2016 , 590, 3346-3356		38
411	Trypsin and MALDI matrix pre-coated targets simplify sample preparation for mapping proteomic distributions within biological tissues by imaging mass spectrometry. 2016 , 51, 1168-1179		12
410	Characterization of microbial siderophores by mass spectrometry. 2016 , 35, 35-47		46
409	Two-dimensional mass defect matrix plots for mapping genealogical links in mixtures of lignin depolymerisation products. 2016 , 408, 4835-43		40
408	Dynamic Phosphorylation of Apoptosis Signal Regulating Kinase 1 (ASK1) in Response to Oxidative and Electrophilic Stress. 2016 , 29, 2175-2183		8
407	Molecular aspects of the interaction between Mason-Pfizer monkey virus matrix protein and artificial phospholipid membrane. 2016 , 84, 1717-1727		3
406	Development of operational protocols for the analysis of primary and secondary fingerprint lifts by MALDI-MS imaging. 2016 , 8, 6795-6804		8
405	Design of a covalently linked human interleukin-10 fusion protein and its secretory expression in <i>Escherichia coli</i> . 2016 , 100, 10479-10493		4
404	Multi-stage Mass Spectrometry of Poly(vinyl pyrrolidone) and Its Vinyl Succinimide Copolymer Formed upon Exposure to Sodium Hypochlorite. 2016 , 5, A0050		11
403	Bacteriophage tailspike protein based assay to monitor phase variable glycosylations in <i>Salmonella</i> O-antigens. 2016 , 16, 207		31
402	Comparison of two freely available software packages for mass spectrometry imaging data analysis using brains from morphine addicted rats. 2016 , 22, 229-233		2
401	Biogenic amines and their producers in Akawi white cheese. 2016 , 69, 386-392		6
400	LaCyTools: A Targeted Liquid Chromatography-Mass Spectrometry Data Processing Package for Relative Quantitation of Glycopeptides. 2016 , 15, 2198-210		66
399	Template for 3D Printing a Low-Temperature Plasma Probe. <i>Analytical Chemistry</i> , 2016 , 88, 6976-80	7.8	40
398	Mapping Proteoforms and Protein Complexes From King Cobra Venom Using Both Denaturing and Native Top-down Proteomics. 2016 , 15, 2423-34		49

397	Free thiol groups in von Willebrand factor (VWF) are required for its full function under physiological flow conditions. 2016 , 137, 202-210	4
396	MALDI-TOF MS as a Novel Tool for Dereplication and Characterization of Microbiota in Bacterial Diversity Studies. 2016 , 235-256	7
395	The Contribution of Non-catalytic Carbohydrate Binding Modules to the Activity of Lytic Polysaccharide Monoxygenases. 2016 , 291, 7439-49	73
394	Applications of Mass Spectrometry in Microbiology. 2016 ,	8
393	An informatic framework for decoding protein complexes by top-down mass spectrometry. 2016 , 13, 237-40	48
392	Synthesis by ring closing metathesis and properties of an electroactive calix[6]arene [2]catenane. 2016 , 28, 427-435	9
391	Turnover rates in microorganisms by laser ablation electrospray ionization mass spectrometry and pulse-chase analysis. 2016 , 902, 1-7	10
390	Parallel formula generator based on branch-and-bound algorithm for elucidating high resolution mass spectra. 2016 , 153, 106-109	2
389	Analytical Characterization of Size-Dependent Properties of Larger Aqueous Gold Nanoclusters. 2016 , 120, 8950-8958	30
388	Synthesis, physicochemical properties and in vitro catalytic activity of a dinuclear nickel(II) complex with a N5O-hexadentate ligand: A functional model for phosphohydrolases. 2016 , 109, 59-66	3
387	Transepithelial transport of dry-cured ham peptides with ACE inhibitory activity through a Caco-2 cell monolayer. 2016 , 21, 388-395	54
386	Identification of mumps virus protein and lipid composition by mass spectrometry. 2016 , 13, 9	7
385	Optimization of tetanus toxoid ammonium sulfate precipitation process using response surface methodology. 2016 , 46, 695-703	5
384	Hormone glucagon: electrooxidation and determination at carbon nanotubes. 2016 , 141, 2405-11	3
383	Conformational Dynamics and Allostery in Pyruvate Kinase. 2016 , 291, 9244-56	19
382	A proteomic approach for the rapid, multi-informative and reliable identification of blood. 2016 , 141, 191-8	29
381	Targeted analysis of recombinant NF kappa B (RelA/p65) by denaturing and native top down mass spectrometry. 2016 , 134, 76-84	9
380	Differential Isotope Labeling of Glycopeptides for Accurate Determination of Differences in Site-Specific Glycosylation. 2016 , 15, 326-31	14

379	Biomimetic spinning of artificial spider silk from a chimeric minispidroin. 2017 , 13, 262-264		143
378	Separation and analysis of high range extractable molecules formed during coal pyrolysis using coupled thin layer chromatography-imaging mass spectrometry (TLC-LDI-IMS). 2017 , 196, 269-279		11
377	Extension of the Kendrick Mass Defect Analysis of Homopolymers to Low Resolution and High Mass Range Mass Spectra Using Fractional Base Units. <i>Analytical Chemistry</i> , 2017 , 89, 2682-2686	7.8	45
376	Characterizing the Structure and Oligomerization of Major Royal Jelly Protein 1 (MRJP1) by Mass Spectrometry and Complementary Biophysical Tools. 2017 , 56, 1645-1655		21
375	Glycation potentiates β synuclein-associated neurodegeneration in synucleinopathies. 2017 , 140, 1399-1419		96
374	Structural Basis for the 14-3-3 Protein-Dependent Inhibition of Phosducin Function. 2017 , 112, 1339-1349		6
373	Multiple Microanalyses of a Sample from the Vinland Map. 2017 , 59, 287-301		1
372	Limiting the Hydrolysis and Oxidation of Maleimide-Peptide Adducts Improves Detection of Protein Thiol Oxidation. 2017 , 16, 2004-2015		16
371	-Glycosylation affects the stability and barrier function of the MUC16 mucin. 2017 , 292, 11079-11090		43
370	Optimizing targeted/untargeted metabolomics by automating gas chromatography/mass spectrometry workflows. 2017 , 1505, 96-105		14
369	Competitive reactions among glutathione, cisplatin and copper-phenanthroline complexes. 2017 , 173, 126-133		16
368	Chemical Synthesis, Doping, and Transformation of Magic-Sized Semiconductor Alloy Nanoclusters. 2017 , 139, 6761-6770		69
367	Novel Method for Reliable Identification of Siccibacter and Franconibacter Strains: from "Pseudo-Cronobacter" to New Enterobacteriaceae Genera. 2017 , 83,		6
366	Horseradish esterases: detection, purification and identification. 2017 , 130, 13-24		
365	Mapping ligand binding using microfluidics-enabled millisecond timescale hydrogen-deuterium exchange. 2017 , 420, 67-73		4
364	Detection of meat species adulteration using high-resolution mass spectrometry and a proteogenomics strategy. 2017 , 34, 1110-1120		28
363	Chemo-enzymatic synthesis of a glycosylated peptide containing a complex N-glycan based on unprotected oligosaccharides by using DMT-MM and Endo-M. 2017 , 34, 481-487		2
362	In situ monitoring of molecular changes during cell differentiation processes in marine macroalgae through mass spectrometric imaging. 2017 , 409, 4893-4903		12

361	Benzimidazolines Convert Sulfur Dioxide to Bisulfate at Room Temperature and Atmospheric Pressure Utilizing Aerial Oxygen. 2017 , 5, 6322-6328		6
360	Cytosolic YB-1 and NSUN2 are the only proteins recognizing specific motifs present in mRNAs enriched in exosomes. 2017 , 1865, 664-673		59
359	Implementation of MALDI MS profiling and imaging methods for the analysis of real crime scene fingerprints. 2017 , 142, 1581-1590		36
358	Batch-processing of imaging or liquid-chromatography mass spectrometry datasets and De Novo sequencing of polyketide siderophores. 2017 , 1865, 768-775		19
357	Enhanced on-plate digestion of proteins using a MALDI-digestion chamber. 2017 , 416, 37-45		6
356	ArgC-Like Digestion: Complementary or Alternative to Tryptic Digestion?. 2017 , 16, 978-987		11
355	Complete de novo sequencing of antimicrobial peptides in the venom of the scorpion <i>Isometrus maculatus</i> . 2017 , 139, 1-12		10
354	Alzheimer's disease and cigarette smoke components: effects of nicotine, PAHs, and Cd(II), Cr(III), Pb(II), Pb(IV) ions on amyloid- β peptide aggregation. 2017 , 7, 14423		45
353	Triple resonance ^1H NMR relaxation experiments for studies of intrinsically disordered proteins. 2017 , 69, 133-146		6
352	MANOTA: a promising bifunctional chelating agent for copper-64 immunoPET. 2017 , 46, 14659-14668		10
351	Novel coumarins and related copper complexes with biological activity: DNA binding, molecular docking and in vitro antiproliferative activity. 2017 , 177, 101-109		15
350	Native Electron Capture Dissociation Maps to Iron-Binding Channels in Horse Spleen Ferritin. <i>Analytical Chemistry</i> , 2017 , 89, 10711-10716	7.8	9
349	Noncovalent Halogen Bonding as a Mechanism for Gas-Phase Clustering. 2017 , 28, 2209-2216		3
348	Enhanced sensitivity and metabolite coverage with remote laser ablation electrospray ionization-mass spectrometry aided by coaxial plume and gas dynamics. 2017 , 142, 3157-3164		9
347	Time-resolved ElectroSpray Ionization Hydrogen-deuterium Exchange Mass Spectrometry for Studying Protein Structure and Dynamics. 2017 ,		5
346	Structural basis of Notch O-glycosylation and O-xylosylation by mammalian protein-O-glucosyltransferase 1 (POGLUT1). 2017 , 8, 185		27
345	Imaging mass spectrometry and MS/MS molecular networking reveals chemical interactions among cuticular bacteria and pathogenic fungi associated with fungus-growing ants. 2017 , 7, 5604		39
344	Quantitative characterization of galectin-3-C affinity mass spectrometry measurements: Comprehensive data analysis, obstacles, shortcuts and robustness. 2017 , 31, 1709-1719		2

343	Optimization of Sample Preparation and Instrumental Parameters for the Rapid Analysis of Drugs of Abuse in Hair samples by MALDI-MS/MS Imaging. 2017 , 28, 2462-2468	16
342	Gold and palladium oxidation/complexation in water by a thioamide/bdine leaching system. 2017 , 19, 4591-4599	8
341	Identification of the Peptide PyroQ-Casein as a Highly Specific and Sensitive Marker to Differentiate between Ultrahigh-Temperature Processed (UHT) Milk and Mildly Heated Milk. 2017 , 65, 10781-10791	10
340	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. 2017 , 56, 8490-8496	16
339	Identification of PAH Isomeric Structure in Cosmic Dust Analogues: the AROMA setup. 2017 , 843,	17
338	Lipidomics. 2017 ,	4
337	Single-Step Capture and Targeted Metabolomics of Alkyl-Quinolones in Outer Membrane Vesicles of <i>Pseudomonas aeruginosa</i> . 2017 , 1609, 171-184	0
336	High-Throughput Analysis of IgG Fc Glycopeptides by LC-MS. 2017 , 1503, 31-47	42
335	Preliminary mass spectrometry characterization studies of galectin-3 samples, prior to carbohydrate-binding studies using Affinity mass spectrometry. 2017 , 31, 129-136	5
334	Negative Ion Mode Electrospray Tandem Mass Spectrometry of Hydroxy-Terminated Polydimethylsiloxanes Formed upon Methanolysis. 2017 , 6, A0057	
333	The identification of archaeological eggshell using peptide markers. 2017 , 3, 89-99	16
332	Synthesis of Randomly Substituted Anionic Cyclodextrins in Ball Milling. 2017 , 22,	10
331	Microcystin-LR Detected in a 'Low Molecular Weight' Fraction from a 'Crude Extract' of <i>Zoanthus sociatus</i> . 2017 , 9,	4
330	Automated Solid-Phase Protein Modification with Integrated Enzymatic Digest for Reaction Validation: Application of a Compartmented Microfluidic Reactor for Rapid Optimization and Analysis of Protein Biotinylation. 2017 , 5, 72	2
329	The mechanism of sirtuin 2-mediated exacerbation of alpha-synuclein toxicity in models of Parkinson disease. 2017 , 15, e2000374	72
328	High-resolution Kendrick Mass Defect Analysis of Poly(ethylene oxide)-based Non-ionic Surfactants and Their Degradation Products. 2017 , 66, 1061-1072	21
327	Improving the Resolution of Kendrick Mass Defect Analysis for Polymer Ions with Fractional Base Units. 2017 , 6, A0055	30
326	Isolation, Amino Acid Sequences, and Plausible Functions of the Galacturonic Acid-Binding Egg Lectin of the Sea Hare <i>Aplysia kurodai</i> . 2017 , 15,	3

325	Characterization of neuropeptide K processing in rat spinal cord S9 fractions using high-resolution quadrupole-Orbitrap mass spectrometry. 2018 , 32, e4204		3
324	Productivity Contribution of Paleozoic Woodlands to the Formation of Shale-Hosted Massive Sulfide Deposits in the Iberian Pyrite Belt (Tharsis, Spain). 2018 , 123, 1017-1040		2
323	Genetic disruption of multiple α ,2-mannosidases generates mammalian cells producing recombinant proteins with high-mannose-type -glycans. 2018 , 293, 5572-5584		16
322	β Glucocerebrosidase Modulators Promote Dimerization of β Glucocerebrosidase and Reveal an Allosteric Binding Site. 2018 , 140, 5914-5924		20
321	Mechanism of Evolution of Kerneramine Complexes from One-Pot Reactions: Snapshots of Intermediates Offer Facile Routes to New Dipicolylamines. 2018 , 13, 1458-1466		3
320	Automating data analysis for two-dimensional gas chromatography/time-of-flight mass spectrometry non-targeted analysis of comparative samples. 2018 , 1541, 57-62		17
319	A Gatekeeper Residue of ClpS1 from Arabidopsis thaliana Chloroplasts Determines its Affinity Towards Substrates of the Bacterial N-End Rule. 2018 , 59, 624-636		13
318	Fixed-Charge Trimethyl Pyrylium Modification for Enabling Enhanced Top-Down Mass Spectrometry Sequencing of Intact Protein Complexes. <i>Analytical Chemistry</i> , 2018 , 90, 2756-2764	7.8	13
317	First Gut Instincts Are Always Right: The Resolution Required for a Mass Defect Analysis of Polymer Ions Can Be as Low as Oligomeric. <i>Analytical Chemistry</i> , 2018 , 90, 2404-2408	7.8	16
316	Paralithocins, Antimicrobial Peptides with Unusual Disulfide Connectivity from the Red King Crab, <i>Paralithodes camtschaticus</i> . 2018 , 81, 140-150		7
315	Lipids Shape the Electron Acceptor-Binding Site of the Peripheral Membrane Protein Dihydroorotate Dehydrogenase. 2018 , 25, 309-317.e4		13
314	The Optimisation of the Expression of Recombinant Surface Immunogenic Protein of Group B Streptococcus in Escherichia coli by Response Surface Methodology Improves Humoral Immunity. 2018 , 60, 215-225		7
313	IMTBX and Grppr: Software for Top-Down Proteomics Utilizing Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 2369-2375	7.8	5
312	Detection of gelatin adulteration using bio-informatics, proteomics and high-resolution mass spectrometry. 2018 , 35, 599-608		11
311	Cranberry proanthocyanidin-chitosan hybrid nanoparticles as a potential inhibitor of extra-intestinal pathogenic Escherichia coli invasion of gut epithelial cells. 2018 , 111, 415-420		25
310	Cyclopurpuracin, a cyclopeptide from Annona purpurea seeds. 2018 , 23, 164-167		4
309	Retention of Anticancer Activity of Curcumin after Conjugation with Fluorescent Gold Quantum Clusters: An in Vitro and in Vivo Xenograft Study. 2018 , 3, 4776-4785		25
308	Multimodal imaging of undecalcified tissue sections by MALDI MS and XRF. 2018 , 143, 2587-2595		19

307	Specific storage of glycoconjugates with terminal β -galactosyl moieties in the exocrine pancreas of Fabry disease patients with blood group B. 2018 , 28, 382-391		3
306	Multi-method Analysis of Avian Eggs as Grave Goods: Revealing Symbolism in Conversion Period Burials at Kukruse, NE Estonia. 2018 , 23, 109-122		10
305	PAXgene fixation enables comprehensive metabolomic and proteomic analyses of tissue specimens by MALDI MSI. 2018 , 1862, 51-60		11
304	Second-Sphere Effects in Dinuclear FeZn Hydrolase Biomimetics: Tuning Binding and Reactivity Properties. 2018 , 57, 187-203		20
303	Top-down characterization of endogenous protein complexes with native proteomics. 2018 , 14, 36-41		82
302	Understanding Dissolved Organic Matter Reactivity and Composition in Lakes and Streams Using Proton-Transfer-Reaction Mass Spectrometry (PTR-MS). 2018 , 5, 739-744		8
301	Metabolic Noise and Distinct Subpopulations Observed by Single Cell LAESI Mass Spectrometry of Plant Cells. 2018 , 9, 1646		24
300	Molecular Signals of Heterogeneous Terrestrial Environments Identified in Dissolved Organic Matter: A Comparative Analysis of Orbitrap and Ion Cyclotron Resonance Mass Spectrometers. 2018 , 6,		19
299	14-3-3 protein masks the nuclear localization sequence of caspase-2. 2018 , 285, 4196-4213		13
298	Protein Dynamics in Solution by Quantitative Crosslinking/Mass Spectrometry. 2018 , 43, 908-920		34
297	In vitro neurotoxicity of salsolinol is attenuated by the presynaptic protein β -synuclein. 2018 , 1862, 2835-2845		4
296	Ionic liquid matrices for MALDI mass spectrometry of lignin. 2018 , 410, 7429-7439		15
295	Cross-Species Molecular Imaging of Bile Salts and Lipids in Liver: Identification of Molecular Structural Markers in Health and Disease. <i>Analytical Chemistry</i> , 2018 , 90, 11835-11846	7.8	15
294	CycloBranch: An open tool for fine isotope structures in conventional and product ion mass spectra. 2018 , 53, 1097-1103		4
293	Computation-Guided Rational Design of a Peptide Motif That Reacts with Cyanobenzothiazoles via Internal Cysteine-Lysine Relay. 2018 , 83, 7467-7479		7
292	PepSAVI-MS reveals anticancer and antifungal cycloviolacins in <i>Viola odorata</i> . 2018 , 152, 61-70		27
291	Methylation of the N-terminal histidine protects a lytic polysaccharide monooxygenase from auto-oxidative inactivation. 2018 , 27, 1636-1650		60
290	UHPLC-HRMS-based tissue untargeted metabolomics study of naringin and hesperidin after dietary supplementation in chickens. 2018 , 269, 276-285		7

289	A Potential Golden Age to Come-Current Tools, Recent Use Cases, and Future Avenues for De Novo Sequencing in Proteomics. 2018 , 18, e1700150	26
288	Detection and Quantification of Carbohydrate-Deficient Transferrin by MALDI-Compatible Protein Chips Prepared by Ambient Ion Soft Landing. 2018 , 64, 1319-1326	9
287	Matrix-free laser desorption ionization mass spectrometry as a functional tool for the analysis and differentiation of complex phenolic mixtures in propolis: a new approach to quality control. 2018 , 410, 6187-6195	7
286	Identification and characterization of a new antifungal peptide in fermented milk product containing bioprotective Lactobacillus cultures. 2018 , 18,	13
285	Crystal structure of gluconate bound iron(III) complex: synthesis, characterization and redox properties of the complex in aqueous solution. 2018 , 42, 15088-15096	1
284	Site-Specific Doping of Mn ²⁺ in a CdS-Based Molecular Cluster. 2018 , 30, 4720-4727	11
283	The analysis of latent fingerprints on polymer banknotes using MALDI-MS. 2018 , 8, 8765	17
282	Elucidation of chemical modifier reactivity towards peptides and proteins and the analysis of specific fragmentation by matrix-assisted laser desorption/ionization collision-induced dissociation tandem mass spectrometry. 2019 , 33 Suppl 1, 40-49	6
281	Identification of peptides reflecting the storage of UHT milk by MALDI-TOF-MS peptide profiling. 2019 , 207, 103444	12
280	Persistence of dissolved organic matter explained by molecular changes during its passage through soil. 2019 , 12, 755-761	96
279	Comparison of three seemingly similar lytic polysaccharide monooxygenases from suggests different roles in plant biomass degradation. 2019 , 294, 15068-15081	33
278	Citrulline Effect Is a Characteristic Feature of Deiminated Peptides in Tandem Mass Spectrometry. 2019 , 30, 1586-1591	6
277	An automated workflow for MALDI-ToF mass spectra pattern identification on large data sets: An application to detect aneuploidies from pregnancy urine. 2019 , 16, 100194	6
276	Guanidine- and purine-functionalized ligands of FeZn complexes: effects on the hydrolysis of DNA. 2019 , 24, 675-691	8
275	Minute-scale persistence of a GPCR conformation state triggered by non-cognate G protein interactions primes signaling. 2019 , 10, 4836	11
274	Water-assisted laser desorption/ionization mass spectrometry for minimally invasive in vivo and real-time surface analysis using SpiderMass. 2019 , 14, 3162-3182	22
273	Glycosylation of Zika Virus is Important in Host-Virus Interaction and Pathogenic Potential. 2019 , 20,	24
272	Isolation and characterization of the insecticidal, two-domain toxin LaIT3 from the scorpion venom. 2019 , 83, 2183-2189	3

271	GH30-7 Endoxylanase C from the Filamentous Fungus. 2019 , 85,	6
270	A Rapid Array-Based Approach to -Glycan Profiling of Cultured Cells. 2019 , 18, 3630-3639	8
269	MS-Based Approaches Enable the Structural Characterization of Transcription Factor/DNA Response Element Complex. 2019 , 9,	7
268	Birds of prey and humans in prehistoric Europe: A view from El Mir6 Cave, Cantabria (Spain). 2019 , 24, 244-252	4
267	Unusual hydrolase-like activity of a mononuclear Fe(III) complex. 2019 , 102, 245-250	2
266	A carbohydrate binding module-5 is essential for oxidative cleavage of chitin by a multi-modular lytic polysaccharide monoxygenase from <i>Bacillus thuringiensis</i> serovar kurstaki. 2019 , 127, 649-656	10
265	Structural and functional characterization of a bifunctional GH30-7 xylanase B from the filamentous fungus. 2019 , 294, 4065-4078	28
264	Proanthocyanidin-chitosan composite nanoparticles prevent bacterial invasion and colonization of gut epithelial cells by extra-intestinal pathogenic <i>Escherichia coli</i> . 2019 , 135, 630-636	15
263	Reaction of imidazoline-2-selone derivatives with mesityltellurenyl iodide: a unique example of a 3c-4e Se->Te<-Se three-body system embedding a tellurenyl cation. 2019 , 43, 11821-11831	3
262	Generation of fully functional hepatocyte-like organoids from human induced pluripotent stem cells mixed with Endothelial Cells. 2019 , 9, 8920	71
261	Light-induced release of nitric oxide from the nitric oxide-bound CDGSH-type [2Fe-2S] clusters in mitochondrial protein Miner2. 2019 , 89, 96-103	4
260	Nanoparticle exposure driven circulating bioactive peptidome causes systemic inflammation and vascular dysfunction. 2019 , 16, 20	27
259	Synthesis of Trimetallic (HPd@MAu) Superatoms (M = Ag, Cu) via Hydride-Mediated Regioselective Doping to (Pd@Au). 2019 , 4, 7070-7075	24
258	Mode of Action of GH30-7 Reducing-End Xylose-Releasing Exoxylanase A (Xyn30A) from the Filamentous Fungus <i>Talaromyces cellulolyticus</i> . 2019 , 85,	14
257	Isolation and Characterization of Insecticidal Toxins from the Venom of the North African Scorpion,. 2019 , 11,	4
256	[9]aneN-based fluorescent receptors for metal ion sensing, featuring urea and amide functional groups. 2019 , 48, 4949-4960	10
255	Use of MALDI-MS with solid-state hydrogen deuterium exchange for semi-automated assessment of peptide and protein physical stability in lyophilized solids. 2019 , 1054, 114-121	8
254	Chromatin regulation by Histone H4 acetylation at Lysine 16 during cell death and differentiation in the myeloid compartment. 2019 , 47, 5016-5037	14

253	PythoMS: A Python Framework To Simplify and Assist in the Processing and Interpretation of Mass Spectrometric Data. 2019 , 59, 1295-1300		5
252	mineXpert: Biological Mass Spectrometry Data Visualization and Mining with Full JavaScript Ability. 2019 , 18, 2254-2259		4
251	The Messale Rosselli: Scientific investigation on an outstanding 14th century illuminated manuscript from Avignon. 2019 , 23, 721-730		7
250	High Throughput Complementary Analysis and Quantitation of Metabolites by MALDI- and Silicon Nanopost Array-Laser Desorption/Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 3951-3958	7.8	27
249	Characterization of large carbonaceous molecules in cosmic dust analogues and meteorites. 2019 , 15, 103-106		0
248	Rapid, Affordable and Efficient Screening of Multiple Blood Abnormalities Made Possible Using an Automated Tool for MALDI-ToF Spectrometry Analysis. 2019 , 9, 4999		3
247	Binding enabled catalytic activation of SO ₂ by copper koneramine complexes under ambient conditions. 2019 , 21, 6372-6380		0
246	Mass Spectrometry Imaging of Lipids in Human Skin Disease Model Hidradenitis Suppurativa by Laser Desorption Ionization from Silicon Nanopost Arrays. 2019 , 9, 17508		21
245	The Kendrick analysis for polymer mass spectrometry. 2019 , 54, 933-947		25
244	Graphical Ranking of Divisors to Get the Most out of a Resolution-Enhanced Kendrick Mass Defect Plot. <i>Analytical Chemistry</i> , 2019 , 91, 2004-2012	7.8	10
243	Quantitative cross-linking/mass spectrometry to elucidate structural changes in proteins and their complexes. 2019 , 14, 171-201		34
242	Electrospray multistage mass spectrometry in the negative ion mode for the unambiguous molecular and structural characterization of acidic hydrolysates from 4-O-methylglucuronoxylan generated by endoxylanases. 2019 , 54, 213-221		7
241	A Compartmented Microfluidic Reactor for Protein Modification Via Solid-phase Reactions □ Semi-automated Examination of Two PEGylation Routes. 2019 , 24, 382-394		2
240	Site-to-Site Reproducibility and Spatial Resolution in MALDI-MSI of Peptides from Formalin-Fixed Paraffin-Embedded Samples. 2019 , 13, e1800029		41
239	Two immunoassays for the detection of 2C-B and related hallucinogenic phenethylamines. 2019 , 95, 36-46		7
238	Feasibility Study for the MALDI-MSI Analysis of Thyroid Fine Needle Aspiration Biopsies: Evaluating the Morphological and Proteomic Stability Over Time. 2019 , 13, e1700170		6
237	Inflammatory Stress Causes N-Glycan Processing Deficiency in Ocular Autoimmune Disease. 2019 , 189, 283-294		10
236	Measurement of Individual Ions Sharply Increases the Resolution of Orbitrap Mass Spectra of Proteins. <i>Analytical Chemistry</i> , 2019 , 91, 2776-2783	7.8	28

235	Tissue-specific differences in metabolites and transcripts contribute to the heterogeneity of ricinoleic acid accumulation in <i>Ricinus communis</i> L. (castor) seeds. 2019 , 15, 6	13
234	New heteroleptic iridium(III) nitro complexes derived from fac-[Ir(NO ₂) ₃ (H ₂ O) ₃]. 2019 , 1182, 100-108	0
233	Matrix-free mass spectrometry imaging of mouse brain tissue sections on silicon nanopost arrays. 2019 , 527, 2101-2121	17
232	Glyceraldehyde-3-phosphate dehydrogenase from sp. S-77 is post-translationally modified by CoA (protein CoAlation) under oxidative stress. 2019 , 9, 53-73	10
231	Mass spectrometric discrimination of phospholipid patterns in cisplatin-resistant and -sensitive cancer cells. 2019 , 33, 97-106	4
230	Spatial Distribution of Endogenous Tissue Protease Activity in Gastric Carcinoma Mapped by MALDI Mass Spectrometry Imaging. 2019 , 18, 151-161	15
229	Resolution-enhanced Kendrick mass defect plots for the data processing of mass spectra from wood and coal hydrothermal extracts. 2019 , 235, 944-953	14
228	Ultra-high resolution MALDI-FTICR-MSI analysis of intact proteins in mouse and human pancreas tissue. 2019 , 437, 10-16	15
227	FTICR mass spectrometry-based multivariate analysis to explore distinctive metabolites and metabolic pathways: A comprehensive bioanalytical strategy toward time-course metabolic profiling of <i>Thymus vulgaris</i> plants responding to drought stress. 2020 , 290, 110257	11
226	Protein profiling analysis based on matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry and its application in typing <i>Streptomyces</i> isolates. 2020 , 208, 120439	1
225	Single Cell Metabolism. 2020 ,	5
224	Novel manufacturing method for producing apohemoglobin and its biophysical properties. 2020 , 117, 125-145	12
223	Molecular characterization of polyethylene oxide based oligomers by surface-assisted laser desorption/ionization mass spectrometry using a through-hole alumina membrane as active substrate. 2020 , 34, e8597	7
222	MSPolyCalc: A web-based App for polymer mass spectrometry data interpretation. The case study of a pharmaceutical excipient. 2020 , 34 Suppl 2, e8652	6
221	An arsenal of tools based on Kendrick mass defects to process congested electrospray ionization high-resolution mass spectra of polymers with multiple charging. 2020 , 34 Suppl 2, e8584	2
220	Multivariate analysis applied to oxidation of cyclohexane and benzyl alcohol promoted by mononuclear iron and copper complexes. 2020 , 44, 2514-2526	7
219	Regulation of neutrophil function by selective targeting of glycan epitopes expressed on the integrin CD11b/CD18. 2020 , 34, 2326-2343	13
218	Study of the diacylglycerol composition in the liver and serum of mice with prediabetes and diabetes using MeV TOF-SIMS. 2020 , 159, 107986	4

217	Separating caprine (<i>Capra/Ovis</i>) distal tibiae: A case study from the Polish Neolithic. 2020 , 30, 170-179	2
216	Room-temperature extraction of direct coal liquefaction residue by liquefied dimethyl ether. 2020 , 262, 116528	12
215	Matrix-Free Laser Desorption Ionization Mass Spectrometry as an Efficient Tool for the Rapid Detection of Opiates in Crude Extracts of. 2020 , 68, 884-891	6
214	Prevalence of non-aromatic carbonaceous molecules in the inner regions of circumstellar envelopes. 2020 , 4, 97-105	25
213	A new heteropentanuclear complex containing the [Fe ₂ III Zn ₃ II(EDH) ₃] structural motif as a model for purple acid phosphatases. 2020 , 502, 119280	3
212	The tomato receptor CuRe1 senses a cell wall protein to identify <i>Cuscuta</i> as a pathogen. 2020 , 11, 5299	17
211	Dinuclear copper(II) complexes with derivative triazine ligands as biomimetic models for catechol oxidases and nucleases. 2020 , 213, 111249	3
210	Optimized incorporation of an unnatural fluorescent amino acid affords measurement of conformational dynamics governing high-fidelity DNA replication. 2020 , 295, 17265-17280	8
209	Multi-protease analysis of Pleistocene bone proteomes. 2020 , 228, 103889	3
208	Fishing history of the East Baltic during the Holocene according to underwater multiperiod riverine site Kaltanbāi, northeastern Lithuania. 2020 , 12, 1	3
207	The role of birds at Białym revealed by the analysis of eggshell. 2020 , 543, 50-60	2
206	Prebiotic oligomerization and self-assembly of structurally diverse xenobiological monomers. 2020 , 10, 17560	8
205	Palaeoproteomic analysis of Pleistocene cave hyenas from east Asia. 2020 , 10, 16674	1
204	Pre-validation of a MALDI MS proteomics-based method for the reliable detection of blood and blood provenance. 2020 , 10, 17087	4
203	Light sheet fluorescence microscopy guided MALDI-imaging mass spectrometry of cleared tissue samples. 2020 , 10, 14461	9
202	Cu(II) complexes with tridentate sulfur and selenium ligands: catecholase and hydrolysis activity. 2020 , 44, 15698-15707	2
201	A thorough evaluation of matrix-free laser desorption ionization on structurally diverse alkaloids and their direct detection in plant extracts. 2020 , 412, 7405-7416	1
200	Cosmc controls B cell homing. 2020 , 11, 3990	10

199	New Highly Charged Iron(III) Metal-Organic Cube Stabilized by a Bulky Amine. 2020 , 5, 22238-22247	1
198	Non-destructive ZooMS identification reveals strategic bone tool raw material selection by Neandertals. 2020 , 10, 7746	15
197	Influence of High Hydrostatic Pressure on the Identification of by MALDI-TOF MS- Preliminary Study. 2020 , 8,	2
196	DropMS: Petroleomics Data Treatment Based in Web Server for High-Resolution Mass Spectrometry. 2020 , 31, 1483-1490	6
195	Quantification of the Effect of Citrulline and Homocitrulline Residues on the Collision-Induced Fragmentation of Peptides. 2020 , 31, 1744-1750	0
194	The biomolecular characterization of a finger ring contextually dated to the emergence of the Early Neolithic from Syltholm, Denmark. 2020 , 7, 191172	3
193	Spatial Localization of Vitamin D Metabolites in Mouse Kidney by Mass Spectrometry Imaging. 2020 , 5, 13430-13437	11
192	Revelation of Acyl Double Bond Positions on Fatty Acyl Coenzyme A Esters by MALDI/TOF Mass Spectrometry. 2020 , 31, 1047-1057	3
191	How to get your goat: automated identification of species from MALDI-ToF spectra. 2020 , 36, 3719-3725	4
190	HSP70 Inhibition Leads to the Activation of Proteasomal System under Mild Hyperthermia Conditions in Young and Senescent Fibroblasts. 2020 , 2020, 9369524	4
189	Three new dinuclear nickel(II) complexes with amine pendant-armed ligands: Characterization, DFT study, antibacterial and hydrolase-like activity. 2020 , 507, 119559	3
188	Malignancy Grade-Dependent Mapping of Metabolic Landscapes in Human Urothelial Bladder Cancer: Identification of Novel, Diagnostic, and Druggable Biomarkers. 2020 , 21,	3
187	Software-aided detection and structural characterization of cyclic peptide metabolites in biological matrix by high-resolution mass spectrometry. 2020 , 10, 240-246	3
186	A new opening for the tricky untargeted investigation of natural and modified short peptides. 2020 , 219, 121262	10
185	Lipid Landscape of the Human Retina and Supporting Tissues Revealed by High-Resolution Imaging Mass Spectrometry. 2020 , 31, 2426-2436	12
184	Impact of the expression system on the immune responses to self-assembling protein nanoparticles (SAPNs) displaying HIV-1 V1V2 loop. 2020 , 29, 102255	3
183	Influence of cross-linker polarity on selectivity towards lysine side chains. 2020 , 218, 103716	3
182	Impact of an Antifungal Insect Defensin on the Proteome of the Phytopathogenic Fungus. 2020 , 19, 1131-11466	

181	Low-temperature Formation of Carbonaceous Dust Grains from PAHs. 2020 , 889, 101	18
180	Copper(II) partially protects three histidine residues and the N-terminus of amyloid- β peptide from diethyl pyrocarbonate (DEPC) modification. 2020 , 10, 1072-1081	
179	The first copper(ii) complex with 1,10-phenanthroline and salubrinal with interesting biochemical properties. 2020 , 12, 891-901	6
178	Discrimination of β 1,4- and β 1,3-Linkages in Native Oligosaccharides via Charge Transfer Dissociation Mass Spectrometry. 2020 , 31, 1249-1259	11
177	Stone Age technologies and human behaviors as reflected in decoration of osseous artefacts from the northern part of East-Central Europe. 2020 , 569-570, 66-83	1
176	Monitoring the three-dimensional distribution of endogenous species in the lungs by matrix-assisted laser desorption/ionization mass spectrometry imaging. 2021 , 35, e8957	0
175	Assessment of different screening methods for selecting palaeontological bone samples for peptide sequencing. 2021 , 230, 103986	1
174	Different glycoforms of alpha-1-acid glycoprotein contribute to its functional alterations in platelets and neutrophils. 2021 , 109, 915-930	0
173	Human and cervid osseous materials used for barbed point manufacture in Mesolithic Doggerland. 2021 , 35, 102678	1
172	Motif orientation matters: Structural characterization of TEAD1 recognition of genomic DNA. 2021 , 29, 345-356.e8	1
171	Ex vivo thyroid fine needle aspirations as an alternative for MALDI-MSI proteomic investigation: intra-patient comparison. 2021 , 413, 1259-1266	1
170	Acylglycerol synthesis including EPA and DHA from rainbow trout (<i>Oncorhynchus mykiss</i>) belly flap oil and caprylic acid catalyzed by <i>Thermomyces lanuginosus</i> lipase under supercritical carbon dioxide. 2021 , 247, 499-511	2
169	Fast Deisotoping Algorithm and Its Implementation in the MSFragger Search Engine. 2021 , 20, 498-505	8
168	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. 2021 , 343, 128443	7
167	Elaboration Pipeline for the Management of MALDI-MS Imaging Datasets. 2021 , 2361, 129-142	1
166	Metalloproteinases and NAD(P)H-dependent oxidoreductase within of Bay nettle (<i>Chrysaora chesapeakei</i>) venom. 1-10	
165	Detection and mapping of haemoglobin variants in blood fingermarks by MALDI MS for suspect "profiling". 2021 , 146, 4290-4302	1
164	Polypyridyl iron(III) complexes containing long alkyl chains: synthesis, characterization, DFT calculations and biological activity. 2021 , 45, 12902-12914	0

163	Mechanism of the small ATP-independent chaperone Spy is substrate specific. 2021 , 12, 851	5
162	Fast Nanoliter-Scale Cell Assays Using Droplet Microarray-Mass Spectrometry Imaging. 2021 , 5, e2000279	5
161	Characterization of 2 linear peptides without disulfide bridges from the venom of the spider <i>Lycosa poonaensis</i> (Lycosidae). 2021 , 85, 1348-1356	0
160	Scratching the surface: the use of sheepskin parchment to deter textual erasure in early modern legal deeds. 2021 , 9, 29	0
159	Resident and elicited murine macrophages differ in expression of their glycomes and glycan-binding proteins. 2021 , 28, 567-582.e4	4
158	Aberrantly glycosylated IgG elicits pathogenic signaling in podocytes and signifies lupus nephritis. 2021 , 6,	8
157	Synthesis of EPA- and DHA-Enriched Structured Acylglycerols at the -2 Position Starting from Commercial Salmon Oil by Enzymatic Lipase Catalysis under Supercritical Conditions. 2021 , 26,	2
156	The Study of Derivatization Prior MALDI MSI Analysis-Charge Tagging Based on the Cholesterol and Betaine Aldehyde. 2021 , 26,	2
155	Alternative glycosylation controls endoplasmic reticulum dynamics and tubular extension in mammalian cells. 2021 , 7,	3
154	Utilization of a tetracycline-inducible system for high-level expression of recombinant proteins in <i>Francisella tularensis</i> LVS. 2021 , 115, 102564	1
153	Analysis of protein additives degradation in aged mortars using mass spectrometry and principal component analysis. 2021 , 288, 123124	4
152	Spin Labeling of Surface Cysteines Using a Bromoacrylaldehyde Spin Label. 2021 , 52, 959-970	
151	Determination of IgG1 and IgG3 SARS-CoV-2 spike protein and nucleocapsid binding [Who is binding who and why?].	0
150	Microdroplet Mass Spectrometry Enables Extremely Accelerated Pepsin Digestion of Proteins. 2021 , 32, 1841-1845	0
149	Genomic Aromatic Compound Degradation Potential of Novel Species: sp. nov., sp. nov. and sp. nov. 2021 , 22,	2
148	A biocodicological analysis of the medieval library and archive from Orval Abbey, Belgium. 2021 , 8, 210210	0
147	New AlZn and AlCu dinuclear complexes: Phosphatase-like activity and cytotoxicity. 2021 , 219, 111392	0
146	Internal Fragments Generated from Different Top-Down Mass Spectrometry Fragmentation Methods Extend Protein Sequence Coverage. 2021 , 32, 1752-1758	4

145	SARS-CoV-2 Spike protein binding of glycosylated serum albumin - its potential role in the pathogenesis of the COVID-19 clinical syndromes and bias towards individuals with pre-diabetes/type 2 diabetes & metabolic diseases.	0
144	"MALDI-CSI": A proposed method for the tandem detection of human blood and DNA typing from enhanced fingerprints. 2021 , 323, 110774	1
143	Online SEC2-nRPLC-MS for improved sensitivity of intact protein detection of IEF separated non-human primate cerebrospinal fluid proteins.	
142	Integrated multidisciplinary ecological analysis from the Uluzzian settlement at the Uluzzo C Rock Shelter, south-eastern Italy.	1
141	Preservation of Underground Microbial Diversity in Ancient Subsurface Deposits (>6 Ma) of the Rio Tinto Basement. 2021 , 9,	1
140	Direct detection of humoral marker correlates of COVID-19, glycosylated HSA and hyperglycosylated IgG3, by MALDI-ToF mass spectrometry..	
139	Cyclic, Hydrophobic Hexapeptide FusaHexin Is the Product of a Nonribosomal Peptide Synthetase in. 2021 , 84, 2070-2080	2
138	Lipidomic Profiling of Algae with Microarray MALDI-MS toward Ecotoxicological Monitoring of Herbicide Exposure. 2021 , 55, 10558-10568	7
137	Major differences in glycosylation and Fucosyltransferase expression in low-grade versus high-grade bladder cancer cell lines. 2021 ,	2
136	Exploring the structure of atom-precise silver-palladium bimetallic clusters prepared via improved single-pot co-reduction synthesis protocol. 2021 , 155, 084301	0
135	Species-Specific Endotoxin Stimulus Determines Toll-Like Receptor 4- and Caspase 11-Mediated Pathway Activation Characteristics. 2021 , 6, e0030621	2
134	Molecular Mapping of Neutral Lipids Using Silicon Nanopost Arrays and TIMS Imaging Mass Spectrometry. 2021 , 32, 2519-2527	2
133	Reproducible Lipid Alterations in Patient-Derived Breast Cancer Xenograft FFPE Tissue Identified with MALDI MSI for Pre-Clinical and Clinical Application. 2021 , 11,	2
132	The Molecular Record of Metabolic Activity in the Subsurface of the Rb Tinto Mars Analog. 2021 , 21, 1387-1405	1
131	sp. nov., a novel plant associated growth promotor. 2021 , 71,	0
130	Gulosibacter hominis sp. nov.: a novel human microbiome bacterium that may cause opportunistic infections. 2021 , 114, 1841-1854	1
129	Coordination Chemistry and Sensing Properties Towards Anions and Metal Ions of a Simple Fluorescent Urea. 2021 , 2021, 3878	2
128	Crosstalk between ORMDL3, serine palmitoyltransferase, and 5-lipoxygenase in the sphingolipid and eicosanoid metabolic pathways. 2021 , 100121	0

127	Air-stable nickel(II) borohydrides as prohydrides: Reactions with halocarbons and aerial carbon dioxide. 2021 , 526, 120526	
126	Homodinuclear copper(II) and zinc(II) complexes of a carboxylate-rich ligand as synthetic mimics of phosphoester hydrolase in aqueous solutions. 2021 , 225, 111589	0
125	sp. nov., a novel species from sugar-rich environments. 2021 , 71,	0
124	Open-Source Software Tools, Databases, and Resources for Single-Cell and Single-Cell-Type Metabolomics. 2020 , 2064, 191-217	5
123	Characterization of Ribonucleic Acids and Their Modifications by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. 2014 , 185-202	1
122	Finding a needle in a haystack—analyte-driven tools and techniques for information extraction and prioritization of chemicals from environmental (chromatography-)HRMS nontarget screening data. 2020 , 18, 70-78	3
121	Helicobacter apri sp. nov., isolated from wild boars. 2016 , 66, 2876-2882	9
120	Differential glycosylation of alpha-1-acid glycoprotein (AGP-1) contributes to its functional diversity.	1
119	Glycosylation of Zika Virus Is Important in Host-Virus Interaction and Pathogenesis.	2
118	Spatial distribution of glycerophospholipids in the ocular lens. 2011 , 6, e19441	19
117	mMass as a software tool for the annotation of cyclic peptide tandem mass spectra. 2012 , 7, e44913	183
116	Spatio-Temporal Metabolite Profiling of the Barley Germination Process by MALDI MS Imaging. 2016 , 11, e0150208	34
115	A Novel Truncated Form of Serum Amyloid A in Kawasaki Disease. 2016 , 11, e0157024	3
114	Molecular Mapping Alzheimer's Disease: MALDI Imaging of Formalin-fixed, Paraffin-embedded Human Hippocampal Tissue. 2016 , 10, 88-98	7
113	Phycobilisome isolation and C-phycocyanin purification from the cyanobacterium Aphanizomenon gracile. 2019 , 57, 491-499	6
112	Photobacterium sanctipauli sp. nov. isolated from bleached Madracis decactis (Scleractinia) in the St Peter & St Paul Archipelago, Mid-Atlantic Ridge, Brazil. 2014 , 2, e427	10
111	Relationship of Transformation Efficiency and Metabolites Induced in Korean Soybean Cotyledons Treated with Sonication. 2013 , 58, 119-127	3
110	Molecular Characterization of Novel x-Type HMW Glutenin Subunit 1B [6.5 in Wheat. 2021 , 10,	

109	Factorial Design to Optimize Matrix Spraying Parameters for MALDI Mass Spectrometry Imaging. 2021 , 32, 2728-2737	2
108	Human Brain and Blood N-Glycome Profiling in Alzheimer's Disease and Alzheimer's Disease-Related Dementias. 2021 , 13, 765259	1
107	Potent and Selective Covalent Inhibitors of the Papain-like Protease from SARS-CoV-2. 2021 ,	4
106	Toward Revealing Microcystin Distribution in Mouse Liver Tissue Using MALDI-MS Imaging. 2021 , 13,	1
105	Htm1p-Pdi1p is a folding sensitive mannosidase that marks N-glycoproteins for ER-associated protein degradation.	
104	Biogenic amines content in the fermented asian food in the Czech Republic. 2018 , 12,	0
103	The monitoring of biogenic amines in the raw food. 2019 , 13, 482-489	
102	Characterization of novel species from fruits and fermented food products sp. nov. sp. nov. and sp. nov. 2019 , 71,	0
101	Identification of dipeptides by MALDI-ToF mass spectrometry in long-processing Spanish dry-cured ham.. 2021 , 3, 100048	0
100	High-Resolution Mass Spectrometry and Chemometrics for the Detailed Characterization of Short Endogenous Peptides in Milk By-Products. 2021 , 26,	1
99	Novel acetic acid bacteria from cider fermentations: sp. nov. and sp. nov. 2020 , 70, 6163-6171	2
98	Studying Protein-DNA Interactions by Hydrogen/Deuterium Exchange Mass Spectrometry. 2021 , 2247, 193-219	2
97	A heterotrinnuclear bioinspired coordination complex capable of binding to DNA and emulation of nuclease activity. 2022 , 226, 111631	
96	MQ: Tool for HR-AM Based Quantitative Analysis for Direct MS Workflow.	
95	Oxidant/complexing properties of the methimazole (MeImHS)/iodine system towards palladium and gold metals. Crystal structure of the complex cation [PdII(MeImHS)4]2+ balanced by a tetraiodide/iodide mixture. 2020 , 44, 2652-2660	0
94	Kendrick Analysis and Complex Isotopic Patterns: A Case Study of the Compositional Analysis of Pristine and Heated Polybrominated Flame Retardants by High-Resolution MALDI Mass Spectrometry. 2020 , 9, A0079	3
93	Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit. 2021 , 11, 21543	0
92	The restricted nature of protein glycosylation in the mammalian brain.	1

91	Exostosin-1 Glycosyltransferase Regulates Endoplasmic Reticulum Architecture and Dynamics.	
90	Structural basis for variable IgE reactivities of Cor a 1 hazelnut allergens.	
89	Thermal desorption and pyrolysis direct analysis in real time mass spectrometry of Nafion membrane. 2021 , 138, 50172	2
88	Developmental O-glycan profile analysis shows pentasaccharide mucin-type O-glycans are linked with pupation of <i>Tribolium castaneum</i> . 2021 , e21852	
87	Analyses of the response of carbapenem-resistant <i>Pseudomonas aeruginosa</i> against monotherapy and combined therapy using quantum dots and proteomics. 2021 , 93, e20210823	
86	Towards understanding the formation of internal fragments generated by collisionally activated dissociation for top-down mass spectrometry.. 2022 , 1194, 339400	1
85	Differentiation of leucine and isoleucine residues in peptides using charge transfer dissociation mass spectrometry (CTD-MS).. 2021 , e9246	1
84	Mammalian brain glycoproteins exhibit diminished glycan complexity compared to other tissues.. 2022 , 13, 275	2
83	Structural characterization of phospholipids and sphingolipids by in-source fragmentation MALDI/TOF mass spectrometry.. 2022 , 414, 2089	1
82	Description of <i>Pseudoclavibacter triregionum</i> sp. nov. from human blood and <i>Pseudoclavibacter albus</i> comb. nov., and revised classification of the genus <i>Pseudoclavibacter</i> : proposal of <i>Caespitibacter</i> gen. nov., with <i>Caespitibacter soli</i> comb. nov. and <i>Caespitibacter caeni</i> comb. nov.. 2022 , 115, 461	0
81	Pillar[4]arene[1]quinone-based pseudo[3]rotaxanes by cooperative Host-Guest binding. 1-10	0
80	Plasma ST6Gal1 is Dispensable for IgG Sialylation.	
79	The influence of colouring materials and artificial ageing on the occurrence of nonspecific peptides in protein binders. 2022 , 177, 107258	0
78	Differentiating aspartic acid isomers and epimers with charge transfer dissociation mass spectrometry (CTD-MS).. 2022 ,	0
77	Investigating the Short Peptidome Profile of Italian Dry-Cured Ham at Different Processing Times by High-Resolution Mass Spectrometry and Chemometrics.. 2022 , 23,	0
76	An optimized MALDI MSI protocol for spatial detection of tryptic peptides in fresh frozen prostate tissue.. 2022 , e2100223	0
75	SARS-CoV-2 Spike Protein Binding of Glycated Serum Albumin-Its Potential Role in the Pathogenesis of the COVID-19 Clinical Syndromes and Bias towards Individuals with Pre-Diabetes/Type 2 Diabetes and Metabolic Diseases.. 2022 , 23,	2
74	<i>Paraburkholderia gardini</i> sp. nov. and <i>Paraburkholderia saeva</i> sp. nov.: Novel aromatic compound degrading bacteria isolated from garden and forest soil samples.. 2022 , 45, 126318	0

- 73 Switchable Zinc(II)-Responsive Globular Sheet Peptide.. **2021**, ○
- 72 Chiral 1D MetalOrganic Materials Based on Cu(II) and Amino Acid Schiff Bases. **2022**, 22, 237-250 ○
- 71 Online SEC-nRPLC-MS for Improved Sensitivity of Intact Protein Detection of IEF-Separated Nonhuman Primate Cerebrospinal Fluid Proteins. *Analytical Chemistry*, **2021**, 7.8 ○
- 70 Three different ways for the synthesis of the metalloid cluster [Ge₉(Hyp t BuPh₂)₃] □
- 69 Data_Sheet_1.xlsx. **2018**,
- 68 Data_Sheet_2.xlsx. **2018**,
- 67 Data_Sheet_3.xlsx. **2018**,
- 66 Data_Sheet_4.xlsx. **2018**,
- 65 Data_Sheet_5.docx. **2018**,
- 64 Data_Sheet_6.pdf. **2018**,
- 63 Image_1.pdf. **2018**,
- 62 Table_1.docx. **2018**,
- 61 Table_2.docx. **2018**,
- 60 Table_3.docx. **2018**,
- 59 Forensic Discrimination of Differentially Sourced Animal Blood Using a Bottom-Up Proteomics Based MALDI MS Approach.. **2022**, 27, ○
- 58 ImShot: An open-source software for probabilistic identification of proteins in situ and visualization of proteomics data.. **2022**, 100242
- 57 Human and animal subsistence in northern Iberia during the Late Chalcolithic-Bronze Age: biomolecular insights from Muela de Borja, Ebro Valley. **2022**, 14, 1
- 56 Chemical identification and quantification of volatile organic compounds emitted by sewage sludge.. **2022**, 155948 ○

55	Determination of IgG1 and IgG3 SARS-CoV-2 Spike Protein and Nucleocapsid Binding Who Is Binding Who and Why?. 2022 , 23, 6050	2
54	Detection of Cosmic Fullerenes in the Almahata Sitta Meteorite: Are They an Interstellar Heritage?. 2022 , 931, 91	1
53	Lennard-Jones interaction parameters of Mo and W in He and N2 from collision cross-sections of Lindqvist and Keggin polyoxometalate anions.	
52	An Application of Zooms to Identify Archaeological Avian Fauna from Teotihuacan, Mexico.	
51	The Key Role of Metal Adducts in the Differentiation of Phosphopeptide from Sulfopeptide Sequences by High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> ,	7.8
50	ST6Gal1 in plasma is dispensable for IgG sialylation.	
49	Mass Fingerprinting for High-Throughput Analyses of Food: Authentication and Quality Control. 2022 , 3-16	
48	Cryo-EM structure of an extracellular Geobacter OmcE cytochrome filament reveals tetrahaem packing.	2
47	Structure of Geobacter OmcZ filaments suggests extracellular cytochrome polymers evolved independently multiple times.	
46	BSA Fragmentation Specifically Induced by Added Electrolytes: an Electrospray Ionization Mass Spectrometry Investigation. 2022 , 112726	1
45	Oxidation of [Ge9{Si(SiMe3)3}3] with LnI3 (Ln = Eu, Sm, Yb): Isomerism of Metalloid Germanium Clusters.	3
44	Multidisciplinary History of Goats in Finland: A Comparative Approach. 2022 , 5, 1947-1959	0
43	Highly Active Visible Light-Promoted Ir/g-C3N4 Photocatalysts for the Water Oxidation Reaction Prepared from a Halogen-Free Iridium Precursor. 2022 , 14, 35600-35612	1
42	Preparation of RNAs with non-canonical 5' ends using novel di- and trinucleotide reagents for co-transcriptional capping. 9,	
41	Synthesis, structure and properties of new triiron(III) complexes: Phosphodiester cleavage and antioxidant activity. 2022 , 225, 116050	
40	Hydrolytic activity of new bioinspired MnIIIMnII and FeIIIMnII complexes as mimetics of PAPs: Biological and environmental interest. 2022 , 236, 111965	
39	Proteolytically generated soluble Tweak Receptor Fn14 is a blood biomarker for β -secretase activity.	0
38	Tetranuclear iron(III) complexes with a carboxylate-rich ligand as synthetic mimics of phosphoesterases in aqueous media. 2022 , 543, 121195	0

- 37 Rediscovery of the Palaeolithic antler hammer from Biłk Cave, Poland: New insights into its chronology, raw material, technology of production and function. **2022**, 0
- 36 Structure of Geobacter OmcZ filaments suggests extracellular cytochrome polymers evolved independently multiple times. 11, 1
- 35 In depth investigation of the capabilities and limitations of combined proteomic-MALDI MS based approach for the forensic detection of blood. **2022**, 62, 602-609 0
- 34 Synthesis and Stability of Mixed-Diphosphine Ligated Gold Clusters. 0
- 33 Direct Detection of Glycated Human Serum Albumin and Hyperglycosylated IgG3 in Serum, by MALDI-ToF Mass Spectrometry, as a Predictor of COVID-19 Severity. **2022**, 12, 2521 2
- 32 Integrating ZooMS and zooarchaeology: New data from the Uluzzian levels of Uluzzo C Rock Shelter, Rocca San Sebastiano cave and Riparo del Broion. **2022**, 17, e0275614 0
- 31 Identification of the O-Glycan Epitope Targeted by the Anti-Human Carcinoma Monoclonal Antibody (mAb) NEO-201. **2022**, 14, 4999 0
- 30 Role of the Solvent in the Reactivity of Bis-4-imidazoline-2-selone Derivatives toward I2: An Experimental and Theoretical Approach. 0
- 29 An application of zooms to identify archaeological avian fauna from Teotihuacan, Mexico. **2022**, 148, 105692 0
- 28 Your horse is a donkey! Identifying domesticated equids from Western Iberia using collagen fingerprinting. **2023**, 149, 105696 0
- 27 New insight into the role of oxygen supply for surfactin production in bench-scale bioreactors using induced surface aeration. 0
- 26 Isolation and functional characterization of hemp seed protein-derived short- and medium-chain peptide mixtures with multifunctional properties for metabolic syndrome prevention. **2023**, 163, 112219 0
- 25 What I wish I had known before starting my PhD 0
- 24 *Acetobacter vaccinii* sp. nov., a novel acetic acid bacterium isolated from blueberry fruit (*Vaccinium corymbosum* L.). **2022**, 72, 0
- 23 LRRK2 Kinase Activity Regulates Parkinson Disease-Relevant Lipids at the Lysosome. 0
- 22 In Situ Metabolomics of Cortisol-Producing Adenomas. 0
- 21 Isotopologue pattern based data mining for selenium species from HILIC-ESI-Orbitrap-MS derived spectra. 0
- 20 Degree of immunoglobulin kappa light chain glycosylation of anti-spike SARS CoV-2 antibodies correlates with COVID-19 severity. 0

- 19 Single-Step Capture and Targeted Metabolomics of Alkyl-Quinolones in Outer Membrane Vesicles (OMVs) of *Pseudomonas Aeruginosa*. **2023**, 201-216 ○
- 18 The COVID-19 antibody responses, isotypes and glycosylation: Why SARS-CoV-2 Spike protein complex binding of IgG3 is potentiated in some and immuno-pathologies manifest. ○
- 17 Profiles, antioxidative and ACE inhibitory activity of peptides released from fermented buttermilk before and after simulated gastrointestinal digestion. **2023**, 84, 103266 ○
- 16 Neanderthal subsistence, taphonomy and chronology at Salzgitter-Lebenstedt (Germany): a multifaceted analysis of morphologically unidentifiable bone. ○
- 15 Spatially Resolved Molecular Approaches for the Characterisation of Non-Invasive Follicular Tumours with Papillary-like Features (NIFTPs). **2023**, 24, 2567 ○
- 14 Study of Nitrogen-Containing Products of the Interaction of 1-Butyl-3-Methylimidazolium Cation with Lignin by MALDI Mass Spectrometry. **2022**, 77, 1784-1792 ○
- 13 Antlers far and wide: Biomolecular identification of Scandinavian hair combs from Ribe, Denmark, 72000 CE. **2023**, 153, 105773 ○
- 12 ZooMS, radiocarbon dating, and techno-typological re-assessment casts doubt on the supposed Late Glacial Husum LA11 skin boat fragment. **2023**, 49, 103885 ○
- 11 Non-invasive screening of breast cancer from fingertip smears—proof of concept study. **2023**, 13, ○
- 10 *Aristophania vespae* gen. nov., sp. nov., isolated from wasps, is related to *Bombella* and *Oecophyllibacter*, isolated from bees and ants. **2023**, 73, ○
- 9 Enzymatic Synthesis Process of EPA- and DHA-Enriched Structured Acylglycerols at the sn-2 Position Starting from Commercial Salmon Oil and Concentrated by Response Surface Methodology under Supercritical Conditions. **2023**, 11, 537 ○
- 8 Mammalian Oocyte Analysis by MALDI MSI with Wet-Interface Matrix Deposition Technique. **2023**, 16, 1479 ○
- 7 Fluorinated Human Serum Albumin as Potential 19F Magnetic Resonance Imaging Probe. **2023**, 28, 1695 ○
- 6 The influence of matrix concentration and solvent composition on the results of MALDI MSI, with the aid of wet-interface matrix deposition. **2023**, 58, ○
- 5 Global Discovery and Temporal Changes of Human Albumin Modifications by Pan-Protein Adductomics: Initial Application to Air Pollution Exposure. **2023**, 34, 595-607 ○
- 4 Potent and selective covalent inhibition of the papain-like protease from SARS-CoV-2. **2023**, 14, ○
- 3 Functionalization and Coordination Effects on the Structural Chemistry of Pendant Arm Derivatives of 1,4,7-trithia-10-aza-cyclododecane ([12]aneNS₃). **2023**, 13, 616 ○
- 2 Characterization of an unusual coating on funerary portraits from Roman Egypt circa 100-300AD. **2023**, 11, ○

- 1 Cryo-EM structures of *Trypanosoma brucei gambiense* ISG65 with human complement C3 and C3b and their roles in alternative pathway restriction. **2023**, 14,

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