

Edwin De Pauw

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8844456/publications.pdf>

Version: 2024-02-01

297
papers

12,075
citations

20797

60
h-index

48277

88
g-index

301
all docs

301
docs citations

301
times ranked

13750
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-assisted laser desorption/ionization mass spectrometry imaging: A review. <i>Mass Spectrometry Reviews</i> , 2022, 41, 373-420.	2.8	47
2	Geometric Analysis of Shapes in Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 273-283.	1.2	3
3	Label-Free Higher Order Structure and Dynamic Investigation Method of Proteins in Solution Using an Enzymatic Reactor Coupled to Electrospray High-Resolution Mass Spectrometry Detection. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 284-295.	1.2	0
4	Cyclic Peptide Protomer Detection in the Gas Phase: Impact on CCS Measurement and Fragmentation Patterns. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 851-858.	1.2	2
5	Imaging Metabolites in Agar-Based Bacterial Co-Cultures with Minimal Sample Preparation using a DIUTHAME Membrane in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry**. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
6	FT-ICR Mass Spectrometry Imaging at Extreme Mass Resolving Power Using a Dynamically Harmonized ICR Cell with 11% or 21% Detection. <i>Analytical Chemistry</i> , 2022, 94, 9316-9326.	3.2	10
7	Using Ion Mobility-Mass Spectrometry to Extract Physicochemical Enthalpic and Entropic Contributions from Synthetic Polymers. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 330-339.	1.2	3
8	Dual-polarity SALDI FT-ICR MS imaging and Kendrick mass defect data filtering for lipid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2821-2830.	1.9	15
9	Use of Capillary Zone Electrophoresis Coupled to Electrospray Mass Spectrometry for the Detection and Absolute Quantitation of Peptidoglycan-Derived Peptides in Bacterial Cytoplasmic Extracts. <i>Analytical Chemistry</i> , 2021, 93, 2342-2350.	3.2	5
10	Adaptive Pixel Mass Recalibration for Mass Spectrometry Imaging Based on Locally Endogenous Biological Signals. <i>Analytical Chemistry</i> , 2021, 93, 4066-4074.	3.2	13
11	Imaging lipids in biological samples with surface-assisted laser desorption/ionization mass spectrometry: A concise review of the last decade. <i>Progress in Lipid Research</i> , 2021, 83, 101114.	5.3	19
12	Rapid visualization of lipopeptides and potential bioactive groups of compounds by combining ion mobility and MALDI imaging mass spectrometry. <i>Drug Discovery Today: Technologies</i> , 2021, 39, 81-88.	4.0	5
13	Liquid chromatography setup-dependent artefactual methionine oxidation of peptides: The importance of an adapted quality control process. <i>Journal of Chromatography A</i> , 2021, 1654, 462449.	1.8	3
14	Mass shift in mass spectrometry imaging: comprehensive analysis and practical corrective workflow. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2831-2844.	1.9	7
15	Multilabel Per-Pixel Quantitation in Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 1393-1400.	3.2	12
16	Lipopeptide Interplay Mediates Molecular Interactions between Soil Bacilli and Pseudomonads. <i>Microbiology Spectrum</i> , 2021, 9, e0203821.	1.2	27
17	Proteomics Highlights Common and Distinct Pathophysiological Processes Associated with Ileal and Colonic Ulcers in Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 205-215.	0.6	19
18	Combination of Capillary Zone Electrophoresis-Mass Spectrometry, Ion Mobility-Mass Spectrometry, and Theoretical Calculations for Cysteine Connectivity Identification in Peptides Bearing Two Intramolecular Disulfide Bonds. <i>Analytical Chemistry</i> , 2020, 92, 2425-2434.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Intertwined metal homeostasis, oxidative and biotic stress responses in the Arabidopsis mutant. <i>Plant Journal</i> , 2020, 102, 34-52.	2.8	24
20	MS Imaging-Guided Microproteomics for Spatial Omics on a Single Instrument. <i>Proteomics</i> , 2020, 20, e1900369.	1.3	25
21	Response to Comment on Effective Temperature and Structural Rearrangement in Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 16334-16337.	3.2	10
22	Solvent Adducts in Ion Mobility Spectrometry: Toward an Alternative Reaction Probe for Thermometer Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1167-1171.	1.2	3
23	Human Liver-Derived Extracellular Matrix for the Culture of Distinct Human Primary Liver Cells. <i>Cells</i> , 2020, 9, 1357.	1.8	10
24	A Venomics Approach Coupled to High-Throughput Toxin Production Strategies Identifies the First Venom-Derived Melanocortin Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8250-8264.	2.9	13
25	Sodium Coordination and Protonation of Poly(ethoxy phosphate) Chains in the Gas Phase Probed by Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 633-641.	1.2	4
26	Can IM-MS Collision Cross Sections of Biomolecules Be Rationalized Using Collision Cross-Section Trends of Polydisperse Synthetic Homopolymers?. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 990-995.	1.2	6
27	Effective Temperature and Structural Rearrangement in Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 4573-4582.	3.2	42
28	Microproteomic Profiling of High-Grade Squamous Intraepithelial Lesion of the Cervix: Insight into Biological Mechanisms of Dysplasia and New Potential Diagnostic Markers. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800052.	0.8	13
29	Exploring the N-Glycosylation Profile of Glycoprotein B from Human Cytomegalovirus Expressed in CHO and <i>Nicotiana tabacum</i> BY-2 Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3741.	1.8	9
30	Precise co-registration of mass spectrometry imaging, histology, and laser microdissection-based omics. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5647-5653.	1.9	35
31	Covalent Cross-Linking as an Enabler for Structural Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 12808-12818.	3.2	3
32	Two-Parameter Power Formalism for Structural Screening of Ion Mobility Trends: Applied Study on Artificial Molecular Switches. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8043-8052.	1.1	5
33	Rapid Visualization of Chemically Related Compounds Using Kendrick Mass Defect As a Filter in Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2019, 91, 13112-13118.	3.2	31
34	A Mechanistic Study of Protonated Aniline to Protonated Phenol Substitution Considering Tautomerization by Ion Mobility Mass Spectrometry and Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2238-2249.	1.2	13
35	Towards the use of ion mobility mass spectrometry derived collision cross section as a screening approach for unambiguous identification of targeted pesticides in food. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 34-48.	0.7	33
36	Recommendations for reporting ion mobility Mass Spectrometry measurements. <i>Mass Spectrometry Reviews</i> , 2019, 38, 291-320.	2.8	315

#	ARTICLE	IF	CITATIONS
37	Multi-Enzymatic Limited Digestion: The Next-Generation Sequencing for Proteomics?. Journal of Proteome Research, 2019, 18, 2501-2513.	1.8	29
38	Fundamental Studies on Poly(2-oxazoline) Side Chain Isomers Using Tandem Mass Spectrometry and Ion Mobility-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1220-1228.	1.2	7
39	Back cover: <i>Bacillus licheniformis</i> peptidoglycan characterization by CZE-MS: Assessment with the benchmark RP-HPLC-MS method. Electrophoresis, 2019, 40, NA.	1.3	2
40	Identification of new bioactive peptides from Kefir milk through proteopeptidomics: Bioprospection of antihypertensive molecules. Food Chemistry, 2019, 282, 109-119.	4.2	99
41	Heterologous expression of rTsHyal-1: the first recombinant hyaluronidase of scorpion venom produced in <i>Pichia pastoris</i> system. Applied Microbiology and Biotechnology, 2018, 102, 3145-3158.	1.7	14
42	Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues. Methods in Molecular Biology, 2018, 1723, 19-31.	0.4	18
43	ULg Spectra: An Interactive Software Tool To Improve Undergraduate Students'™ Structural Analysis Skills. Journal of Chemical Education, 2018, 95, 276-280.	1.1	3
44	Predicting Ion Mobility-Mass Spectrometry trends of polymers using the concept of apparent densities. Methods, 2018, 144, 125-133.	1.9	23
45	Comparison of Different Ion Mobility Setups Using Poly (Ethylene Oxide) PEO Polymers: Drift Tube, TIMS, and T-Wave. Journal of the American Society for Mass Spectrometry, 2018, 29, 114-120.	1.2	23
46	MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors—A Pilot Study. Proteomics - Clinical Applications, 2018, 12, 1700062.	0.8	33
47	New Insights on Moojase, a Thrombin-Like Serine Protease from Bothrops moojeni Snake Venom. Toxins, 2018, 10, 500.	1.5	17
48	In-Depth Venome of the Brazilian Rattlesnake <i>Crotalus durissus terrificus</i> : An Integrative Approach Combining Its Venom Gland Transcriptome and Venom Proteome. Journal of Proteome Research, 2018, 17, 3941-3958.	1.8	24
49	Effectiveness and Limitations of Computational Chemistry and Mass Spectrometry in the Rational Design of Target-Specific Shift Reagents for Ion Mobility Spectrometry. ChemPhysChem, 2018, 19, 2921-2930.	1.0	9
50	Peptidomic investigation of Neoponera villosa venom by high-resolution mass spectrometry: seasonal and nesting habitat variations. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2018, 24, 6.	0.8	13
51	Proteopeptidomic, Functional and Immunoreactivity Characterization of Bothrops moojeni Snake Venom: Influence of Snake Gender on Venom Composition. Toxins, 2018, 10, 177.	1.5	48
52	Diversity in sequences, post-translational modifications and expected pharmacological activities of toxins from four Conus species revealed by the combination of cutting-edge proteomics, transcriptomics and bioinformatics. Toxicon, 2017, 130, 116-125.	0.8	14
53	Discovery and characterization of EII B, a new δ -conotoxin from Conus ermineus venom by nAChRs affinity capture monitored by MALDI-TOF/TOF mass spectrometry. Toxicon, 2017, 130, 1-10.	0.8	9
54	Proteomic response of Macrobrachium rosenbergii hepatopancreas exposed to chlordecone: Identification of endocrine disruption biomarkers?. Ecotoxicology and Environmental Safety, 2017, 141, 306-314.	2.9	21

#	ARTICLE	IF	CITATIONS
55	Green mamba peptide targets type-2 vasopressin receptor against polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7154-7159.	3.3	33
56	High-throughput expression of animal venom toxins in Escherichia coli to generate a large library of oxidized disulphide-reticulated peptides for drug discovery. Microbial Cell Factories, 2017, 16, 6.	1.9	43
57	N-Glycosylation of an IgG antibody secreted by Nicotiana tabacum BY-2 cells can be modulated through co-expression of human Î²-1,4-galactosyltransferase. Transgenic Research, 2017, 26, 375-384.	1.3	13
58	Typing of colon and lung adenocarcinoma by high throughput imaging mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 858-864.	1.1	20
59	Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma. Journal of Pathology, 2017, 241, 522-533.	2.1	32
60	Comprehensive Ion Mobility Calibration: Poly(ethylene oxide) Polymer Calibrants and General Strategies. Analytical Chemistry, 2017, 89, 12076-12086.	3.2	38
61	Where Ion Mobility and Molecular Dynamics Meet To Unravel the (Un)Folding Mechanisms of an Oligorotaxane Molecular Switch. ACS Nano, 2017, 11, 10253-10263.	7.3	24
62	MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies. Methods in Molecular Biology, 2017, 1788, 297-312.	0.4	5
63	OLFM4, KNG1 and Sec24C identified by proteomics and immunohistochemistry as potential markers of early colorectal cancer stages. Clinical Proteomics, 2017, 14, 9.	1.1	45
64	Identification of proteins from wild cardoon flowers (Cynara cardunculus L.) by a proteomic approach. Journal of Chemical Biology, 2017, 10, 25-33.	2.2	17
65	Inactivation of the Î²(1,2)-xylosyltransferase and the Î±(1,3)-fucosyltransferase genes in Nicotiana tabacum BY-2 Cells by a Multiplex CRISPR/Cas9 Strategy Results in Glycoproteins without Plant-Specific Glycans. Frontiers in Plant Science, 2017, 8, 403.	1.7	134
66	Multiple Gas-Phase Conformations of a Synthetic Linear Poly(acrylamide) Polymer Observed Using Ion Mobility-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 2492-2499.	1.2	22
67	GC-TOFMS for the Analysis of Metabolites Produced by Termites (Reticulitermes flavipes) Bred on Different Carbon Sources. Separations, 2016, 3, 19.	1.1	2
68	Methylglyoxal, a glycolysis side-product, induces Hsp90 glycation and YAP-mediated tumor growth and metastasis. ELife, 2016, 5, .	2.8	100
69	A Phenotypic and Genotypic Analysis of the Antimicrobial Potential of Cultivable Streptomyces Isolated from Cave Moonmilk Deposits. Frontiers in Microbiology, 2016, 7, 1455.	1.5	64
70	Estimation of peptide Nâ€“C bond cleavage efficiency during MALDI-MSD using a cyclic peptide. Journal of Mass Spectrometry, 2016, 51, 323-327.	0.7	9
71	Influence of Equilibration Time in Solution on the Inclusion/Exclusion Topology Ratio of Host-Guest Complexes Probed by Ion Mobility and Collision-Induced Dissociation. Chemistry - A European Journal, 2016, 22, 4528-4534.	1.7	15
72	Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle Tribolium castaneum. Scientific Reports, 2016, 6, 35151.	1.6	39

#	ARTICLE	IF	CITATIONS
73	A laser microdissection-based workflow for FFPE tissue microproteomics: Important considerations for small sample processing. <i>Methods</i> , 2016, 104, 154-162.	1.9	72
74	Energy-resolved collision-induced dissociation of non-covalent ions: charge- and guest-dependence of decomplexation reaction efficiencies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12557-12568.	1.3	16
75	Force measurements reveal how small binders perturb the dissociation mechanisms of DNA duplex sequences. <i>Nanoscale</i> , 2016, 8, 11718-11726.	2.8	11
76	Difference of Electron Capture and Transfer Dissociation Mass Spectrometry on Ni ²⁺ , Cu ²⁺ , and Zn ²⁺ -Polyhistidine Complexes in the Absence of Remote Protons. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1165-1175.	1.2	9
77	Ion Mobility-Mass Spectrometry as a Tool for the Structural Characterization of Peptides Bearing Intramolecular Disulfide Bond(s). <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1637-1646.	1.2	16
78	Measurement of emerging dechloranes in human serum using modulated gas chromatography coupled to electron capture negative ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2545-2554.	0.7	3
79	Supramolecular influence on cis-trans isomerization probed by ion mobility spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32331-32336.	1.3	17
80	Accurate Drift Time Determination by Traveling Wave Ion Mobility Spectrometry: The Concept of the Diffusion Calibration. <i>Analytical Chemistry</i> , 2016, 88, 11639-11646.	3.2	30
81	MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology. <i>Proteomics - Clinical Applications</i> , 2016, 10, 701-719.	0.8	70
82	An Improved Molecular Histology Method for Ion Suppression Monitoring and Quantification of Phosphatidyl Cholines During MALDI MSI Lipidomics Analyses. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 110-121.	1.0	13
83	Structural analysis of ruthenium-arene complexes using ion mobility mass spectrometry, collision-induced dissociation, and DFT. <i>Dalton Transactions</i> , 2016, 45, 6361-6370.	1.6	16
84	Determination of the substrate repertoire of ADAMTS2, 3, and 14 significantly broadens their functions and identifies extracellular matrix organization and TGF β ² signaling as primary targets. <i>FASEB Journal</i> , 2016, 30, 1741-1756.	0.2	79
85	Isolation and characterization of Ts19 Fragment II, a new long-chain potassium channel toxin from <i>Tityus serrulatus</i> venom. <i>Peptides</i> , 2016, 80, 9-17.	1.2	24
86	In Situ Analysis of Bacterial Lipopeptide Antibiotics by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , 2016, 1401, 161-173.	0.4	2
87	Myoferlin is a novel exosomal protein and functional regulator of cancer-derived exosomes. <i>Oncotarget</i> , 2016, 7, 83669-83683.	0.8	56
88	Multiple analyses of microbial communities applied to the gut of the wood-feeding termite <i>Reticulitermes flavipes</i> fed on artificial diets. <i>Symbiosis</i> , 2015, 65, 143-155.	1.2	11
89	Energetics and structural characterization of isomers using ion mobility and gas-phase H/D exchange: Learning from lasso peptides. <i>Proteomics</i> , 2015, 15, 2823-2834.	1.3	6
90	Elimination of enrofloxacin in striped catfish (<i>Pangasianodon hypophthalmus</i>) following on-farm treatment. <i>Aquaculture</i> , 2015, 438, 1-5.	1.7	28

#	ARTICLE	IF	CITATIONS
91	Lipopeptides as main ingredients for inhibition of fungal phytopathogens by <i>Bacillus subtilis/amyloliquefaciens</i> . <i>Microbial Biotechnology</i> , 2015, 8, 281-295.	2.0	251
92	Monitoring Antibiotic Use and Residue in Freshwater Aquaculture for Domestic Use in Vietnam. <i>EcoHealth</i> , 2015, 12, 480-489.	0.9	121
93	Comparison of two FFPE preparation methods using label-free shotgun proteomics: Application to tissues of diverticulitis patients. <i>Journal of Proteomics</i> , 2015, 112, 250-261.	1.2	19
94	Plant polysaccharides initiate underground crosstalk with bacilli by inducing synthesis of the immunogenic lipopeptide surfactin. <i>Environmental Microbiology Reports</i> , 2015, 7, 570-582.	1.0	54
95	A spiked tissue-based approach for quantification of phosphatidylcholines in brain section by MALDI mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2095-2106.	1.9	42
96	Expression of a new serine protease from <i>Crotalus durissus collilineatus</i> venom in <i>Pichia pastoris</i> and functional comparison with the native enzyme. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9971-9986.	1.7	17
97	Travelling-wave ion mobility time-of-flight mass spectrometry as an alternative strategy for screening of multi-class pesticides in fruits and vegetables. <i>Journal of Chromatography A</i> , 2015, 1405, 85-93.	1.8	53
98	Mass-spectrometry-based method for screening of new peptide ligands for G-protein-coupled receptors. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5299-5307.	1.9	4
99	Combined Use of Ion Mobility and Collision-Induced Dissociation To Investigate the Opening of Disulfide Bridges by Electron-Transfer Dissociation in Peptides Bearing Two Disulfide Bonds. <i>Analytical Chemistry</i> , 2015, 87, 5240-5246.	3.2	21
100	Isolation and cultivation of xylanolytic and cellulolytic <i>Sarocladium kiliense</i> and <i>Trichoderma virens</i> from the gut of the termite <i>Reticulitermes santonensis</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 4369-4382.	2.7	16
101	Effects of low dose endosulfan exposure on brain neurotransmitter levels in the African clawed frog <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2015, 120, 357-364.	4.2	19
102	MALDI-TOF MS Analysis of Cellodextrins and Xylo-oligosaccharides Produced by Hindgut Homogenates of <i>Reticulitermes santonensis</i> . <i>Molecules</i> , 2014, 19, 4578-4594.	1.7	13
103	Organized proteomic heterogeneity in colorectal cancer liver metastases and implications for therapies. <i>Hepatology</i> , 2014, 59, 924-934.	3.6	43
104	Coordination of alkali metal ions to model branched hexasaccharides dictates fragment yield in MALDI in-source decay with hydrogen abstraction using 5-nitrosalicylic acid as the matrix. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1059-1062.	0.7	4
105	Dissociation Pathways of Benzylpyridinium Thermometer Ions Depend on the Activation Regime: An IRMPD Spectroscopy Study. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3787-3791.	2.1	22
106	Accessibility of Human Glioblastoma: Collagen-VI-alpha-1 Is a New Target and a Marker of Poor Outcome. <i>Journal of Proteome Research</i> , 2014, 13, 5660-5669.	1.8	26
107	Der p 1 is the primary activator of Der p 3, Der p 6 and Der p 9 the proteolytic allergens produced by the house dust mite <i>Dermatophagoides pteronyssinus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1117-1124.	1.1	30
108	Levels of dechloranes and polybrominated diphenyl ethers (PBDEs) in human serum from France. <i>Environment International</i> , 2014, 65, 33-40.	4.8	64

#	ARTICLE	IF	CITATIONS
109	Isolation of amylolytic, xylanolytic, and cellulolytic microorganisms extracted from the gut of the termite <i>Reticulitermes santonensis</i> by means of a micro-aerobic atmosphere. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1655-1660.	1.7	14
110	Spatiotemporal Monitoring of the Antibiofilm Secreted by <i>Bacillus</i> Biofilms on Plant Roots Using MALDI Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2014, 86, 4431-4438.	3.2	91
111	Tissue Proteomics for the Next Decade? Towards a Molecular Dimension in Histology. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 539-552.	1.0	48
112	The Use of Ion Mobility Mass Spectrometry for Isomer Composition Determination Extracted from Se-Rich Yeast. <i>Analytical Chemistry</i> , 2014, 86, 11246-11254.	3.2	12
113	Matrix-assisted laser desorption/ionization mass spectrometry and Raman spectroscopy: An interesting complementary approach for lipid detection in biological tissues. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1080-1086.	1.0	7
114	Biointerface multiparametric study of intraocular lens acrylic materials. <i>Journal of Cataract and Refractive Surgery</i> , 2014, 40, 1536-1544.	0.7	17
115	Blocking Lipid Synthesis Overcomes Tumor Regrowth and Metastasis after Antiangiogenic Therapy Withdrawal. <i>Cell Metabolism</i> , 2014, 20, 280-294.	7.2	141
116	Influences of Proline and Cysteine Residues on Fragment Yield in Matrix-Assisted Laser Desorption/Ionization In-Source Decay Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1040-1048.	1.2	17
117	Fragmentation and Isomerization Due to Field Heating in Traveling Wave Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1384-1393.	1.2	63
118	Polymer Topology Revealed by Ion Mobility Coupled with Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 9693-9700.	3.2	47
119	New Approach for Pseudo-MS ³ Analysis of Peptides and Proteins via MALDI In-Source Decay Using Radical Recombination with 1,5-Diaminonaphthalene. <i>Analytical Chemistry</i> , 2014, 86, 2451-2457.	3.2	24
120	RGD Surface Functionalization of the Hydrophilic Acrylic Intraocular Lens Material to Control Posterior Capsular Opacification. <i>PLoS ONE</i> , 2014, 9, e114973.	1.1	21
121	MALDI-FTICR MS Imaging as a Powerful Tool to Identify <i>Paenibacillus</i> Antibiotics Involved in the Inhibition of Plant Pathogens. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1202-1213.	1.2	50
122	Discrimination of Isobaric Leu/Ile Residues by MALDI In-Source Decay Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 297-300.	1.2	33
123	Effect-based proteomic detection of growth promoter abuse. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1171-1179.	1.9	16
124	Use of 1,5-diaminonaphthalene to combine matrix-assisted laser desorption/ionization in-source decay fragmentation with hydrogen/deuterium exchange. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1837-1846.	0.7	12
125	Isolation and Cultivation of a Xylanolytic <i>Bacillus subtilis</i> Extracted from the Gut of the Termite <i>Reticulitermes santonensis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 225-245.	1.4	13
126	Determination of Chloramphenicol in Honey, Shrimp, and Poultry Meat with Liquid Chromatography-Mass Spectrometry: Validation of the Method According to Commission Decision 2002/657/EC. <i>Food Analytical Methods</i> , 2013, 6, 1458-1465.	1.3	29

#	ARTICLE	IF	CITATIONS
127	Bcs<sc>T</sc>x3 is a founder of a novel sea anemone toxin family of potassium channel blocker. FEBS Journal, 2013, 280, 4839-4852.	2.2	35
128	First evidence of the possible implication of the 11-deoxycorticosterone (DOC) in immune activity of Eurasian perch (<i>Perca fluviatilis</i> , L.): Comparison with cortisol. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 165, 149-158.	0.8	26
129	Structural determinants of specificity and catalytic mechanism in mammalian 25-kDa thiamine triphosphatase. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4513-4523.	1.1	16
130	Ultraviolet Laser Induced Hydrogen Transfer Reaction: Study of the First Step of MALDI In-Source Decay Mass Spectrometry. Journal of Physical Chemistry B, 2013, 117, 2321-2327.	1.2	36
131	Myoferlin Is a Key Regulator of EGFR Activity in Breast Cancer. Cancer Research, 2013, 73, 5438-5448.	0.4	69
132	Chemical Composition of the Essential Oil of <i>Nigella sativa</i> Seeds Extracted by Microwave Steam Distillation. Journal of Essential Oil-bearing Plants: JEOP, 2013, 16, 781-794.	0.7	21
133	Preliminary assessment of the risk linked to furan ingestion by babies consuming only ready-to-eat food. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 654-659.	1.1	10
134	Effects of a sublethal pesticide exposure on locomotor behavior: A video-tracking analysis in larval amphibians. Chemosphere, 2013, 90, 945-951.	4.2	69
135	Peptidomic comparison and characterization of the major components of the venom of the giant ant <i>Dinoponera quadriceps</i> collected in four different areas of Brazil. Journal of Proteomics, 2013, 94, 413-422.	1.2	57
136	Selected Protein Monitoring in Histological Sections by Targeted MALDI-FTICR In-Source Decay Imaging. Analytical Chemistry, 2013, 85, 2117-2126.	3.2	38
137	Development of an analytical method to detect metabolites of nitrofurans. Aquaculture, 2013, 376-379, 54-58.	1.7	21
138	Ion Mobility Mass Spectrometry as a Potential Tool To Assign Disulfide Bonds Arrangements in Peptides with Multiple Disulfide Bridges. Analytical Chemistry, 2013, 85, 4405-4413.	3.2	23
139	In-Source Decay during Matrix-Assisted Laser Desorption/Ionization Combined with the Collisional Process in an FTICR Mass Spectrometer. Analytical Chemistry, 2013, 85, 7809-7817.	3.2	26
140	Ion Mobility Spectrometry Reveals Duplex DNA Dissociation Intermediates. Journal of the American Society for Mass Spectrometry, 2013, 24, 1777-1786.	1.2	19
141	Symbiont Diversity in <i>Reticulitermes santonensis</i> (Isoptera: Rhinotermitidae): Investigation Strategy Through Proteomics. Environmental Entomology, 2013, 42, 882-887.	0.7	10
142	Towards Lipidomics of Low-Abundant Species for Exploring Tumor Heterogeneity Guided by High-Resolution Mass Spectrometry Imaging. International Journal of Molecular Sciences, 2013, 14, 24560-24580.	1.8	25
143	Peptide backbone fragmentation initiated by side-chain loss at cysteine residue in matrix-assisted laser desorption/ionization in-source decay mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 352-360.	0.7	21
144	Proteomic Investigation of Aphid Honeydew Reveals an Unexpected Diversity of Proteins. PLoS ONE, 2013, 8, e74656.	1.1	62

#	ARTICLE	IF	CITATIONS
145	The Proline-Rich Motif of the proDer p 3 Allergen Propeptide Is Crucial for Protease-Protease Interaction. <i>PLoS ONE</i> , 2013, 8, e68014.	1.1	4
146	Risk assessment for furan contamination through the food chain in Belgian children. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 1219-1229.	1.1	8
147	Differential proteomic analysis of a human breast tumor and its matched bone metastasis identifies cell membrane and extracellular proteins associated with bone metastasis. <i>Journal of Proteome Research</i> , 2012, 11, 2247-2260.	1.8	23
148	Influence of lignin in <i>Reticulitermes santonensis</i> : symbiotic interactions investigated through proteomics. <i>Symbiosis</i> , 2012, 58, 119-125.	1.2	2
149	The angiogenesis suppressor gene AKAP12 is under the epigenetic control of HDAC7 in endothelial cells. <i>Angiogenesis</i> , 2012, 15, 543-554.	3.7	36
150	Sparc-Like Protein 1 Is a New Marker of Human Glioma Progression. <i>Journal of Proteome Research</i> , 2012, 11, 5011-5021.	1.8	33
151	Identification and Relative-Quantification of Glycans by Matrix-Assisted Laser Desorption/Ionization In-Source Decay with Hydrogen Abstraction. <i>Analytical Chemistry</i> , 2012, 84, 7463-7468.	3.2	18
152	Identification and characterization of a new xylanase from Gram-positive bacteria isolated from termite gut (<i>Reticulitermes santonensis</i>). <i>Protein Expression and Purification</i> , 2012, 83, 117-127.	0.6	33
153	Identification and quantification of concentration-dependent biomarkers in MCF-7/BOS cells exposed to 17 β -estradiol by 2-D DIGE and label-free proteomics. <i>Journal of Proteomics</i> , 2012, 75, 4555-4569.	1.2	10
154	Raman spectroscopy and laser desorption mass spectrometry for minimal destructive forensic analysis of black and color inkjet printed documents. <i>Forensic Science International</i> , 2012, 219, 64-75.	1.3	51
155	UV Spectroscopy of DNA Duplex and Quadruplex Structures in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5383-5391.	1.1	41
156	Secretion and maturation of conotoxins in the venom ducts of <i>Conus textile</i> . <i>Toxicon</i> , 2012, 60, 1370-1379.	0.8	17
157	Fibulin 3 peptides Fib3 α 1 and Fib3 α 2 are potential biomarkers of osteoarthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 2260-2267.	6.7	58
158	Using sets of behavioral biomarkers to assess short-term effects of pesticide: a study case with endosulfan on frog tadpoles. <i>Ecotoxicology</i> , 2012, 21, 1240-1250.	1.1	48
159	Furan formation in starch-based model systems containing carbohydrates in combination with proteins, ascorbic acid and lipids. <i>Food Chemistry</i> , 2012, 133, 816-821.	4.2	45
160	Purification and Characterisation of a 31-kDa Chitinase from the <i>Myzus Persicae</i> Aphid: A Target for Hemiptera Biocontrol. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1291-1300.	1.4	6
161	2-Aminobenzamide and 2-Aminobenzoic Acid as New MALDI Matrices Inducing Radical Mediated In-Source Decay of Peptides and Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 469-474.	1.2	36
162	Targeting G-Quadruplex Structure in the Human c-Kit Promoter with Short PNA Sequences. <i>Bioconjugate Chemistry</i> , 2011, 22, 654-663.	1.8	45

#	ARTICLE	IF	CITATIONS
163	Furan Formation from Lipids in Starch-Based Model Systems, As Influenced by Interactions with Antioxidants and Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2368-2376.	2.4	37
164	An Analytical Pipeline for MALDI In-Source Decay Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2011, 83, 6090-6097.	3.2	20
165	Effective Temperature of Ions in Traveling Wave Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 5775-5782.	3.2	110
166	Novel Comprehensive Approach for Accessible Biomarker Identification and Absolute Quantification from Precious Human Tissues. <i>Journal of Proteome Research</i> , 2011, 10, 3160-3182.	1.8	36
167	Identification of Novel Accessible Proteins Bearing Diagnostic and Therapeutic Potential in Human Pancreatic Ductal Adenocarcinoma. <i>Journal of Proteome Research</i> , 2011, 10, 4302-4313.	1.8	103
168	Innovative Proteomics for the Discovery of Systemically Accessible Cancer Biomarkers Suitable for Imaging and Targeted Therapies. <i>American Journal of Pathology</i> , 2011, 178, 12-18.	1.9	18
169	Increased risk of non-Hodgkin lymphoma and serum organochlorine concentrations among neighbors of a municipal solid waste incinerator. <i>Environment International</i> , 2011, 37, 449-453.	4.8	65
170	Study on the susceptibility of the bovine milk fat globule membrane proteins to enzymatic hydrolysis and organization of some of the proteins. <i>International Dairy Journal</i> , 2011, 21, 312-318.	1.5	45
171	Characterization of a new β -glucosidase/ β -xylosidase from the gut microbiota of the termite (<i>Reticulitermes santonensis</i>). <i>FEMS Microbiology Letters</i> , 2011, 314, 147-157.	0.7	29
172	New glucosidase activities identified by functional screening of a genomic DNA library from the gut microbiota of the termite <i>Reticulitermes santonensis</i> . <i>Microbiological Research</i> , 2011, 166, 629-642.	2.5	18
173	Levels and trends of PCDD/Fs and PCBs in camel milk (<i>Camelus bactrianus</i> and <i>Camelus dromedarius</i>) from Kazakhstan. <i>Chemosphere</i> , 2011, 85, 351-360.	4.2	14
174	An Unusual Family of Glycosylated Peptides Isolated from <i>Dendroaspis angusticeps</i> Venom and Characterized by Combination of Collision Induced and Electron Transfer Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1891-7.	1.2	15
175	Identification of stromal proteins overexpressed in nodular sclerosis Hodgkin lymphoma. <i>Proteome Science</i> , 2011, 9, 63.	0.7	6
176	Tridentate π -Donor Palladium(II) Complexes as Efficient Coordinating Quadruplex DNA Binders. <i>Chemistry - A European Journal</i> , 2011, 17, 13274-13283.	1.7	63
177	d(CGGTCGT) forms an octameric parallel G-quadruplex via stacking of unusual G(:C):G(:C):G(:C):G(:C) octads. <i>Nucleic Acids Research</i> , 2011, 39, 7848-7857.	6.5	42
178	A Specific Inorganic Triphosphatase from <i>Nitrosomonas europaea</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 34023-34035.	1.6	16
179	Selective Reduction of C=C Double Bonds in Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Microcystins. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 91-99.	0.5	7
180	Versican overexpression in human breast cancer lesions: Known and new isoforms for stromal tumor targeting. <i>International Journal of Cancer</i> , 2010, 126, 640-650.	2.3	125

#	ARTICLE	IF	CITATIONS
181	Identification of fragmentation channels of dinucleotides using deuterium labeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 23-33.	1.2	5
182	Gas phase fullerene anions hydrogenation by methanol followed by IRMPA dehydrogenation. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 117-126.	1.2	4
183	Furan formation from vitamin C in a starch-based model system: Influence of the reaction conditions. <i>Food Chemistry</i> , 2010, 121, 1163-1170.	4.2	40
184	Characterisation of proteins from date palm sap (<i>Phoenix dactylifera</i> L.) by a proteomic approach. <i>Food Chemistry</i> , 2010, 123, 765-770.	4.2	14
185	Dynamics of the <i>Dictyostelium discoideum</i> mitochondrial proteome during vegetative growth, starvation and early stages of development. <i>Proteomics</i> , 2010, 10, 6-22.	1.3	20
186	Identification of a novel snake peptide toxin displaying high affinity and antagonist behaviour for the β_2 -adrenoceptors. <i>British Journal of Pharmacology</i> , 2010, 161, 1361-1374.	2.7	36
187	Cation Involvement in Telomestatin Binding to G-Quadruplex DNA. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-7.	0.8	13
188	Tetramolecular G-quadruplex formation pathways studied by electrospray mass spectrometry. <i>Nucleic Acids Research</i> , 2010, 38, 5217-5225.	6.5	90
189	Optimization of Matrix Conditions for the Control of MALDI In-Source Decay of Permethylated Glycans. <i>Analytical Chemistry</i> , 2010, 82, 9248-9253.	3.2	19
190	Importance of Fat Oxidation in Starch-Based Emulsions in the Generation of the Process Contaminant Furan. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9579-9586.	2.4	38
191	Rapid Collapse into a Molten Globule Is Followed by Simple Two-State Kinetics in the Folding of Lysozyme from Bacteriophage λ . <i>Biochemistry</i> , 2010, 49, 8646-8657.	1.2	14
192	Electrospray Mass Spectrometry of Telomeric RNA (TERRA) Reveals the Formation of Stable Multimeric G-Quadruplex Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 9328-9334.	6.6	124
193	MALDI-In Source Decay Applied to Mass Spectrometry Imaging: A New Tool for Protein Identification. <i>Analytical Chemistry</i> , 2010, 82, 4036-4045.	3.2	99
194	Zwitterionic i-motif structures are preserved in DNA negatively charged ions produced by electrospray mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13448.	1.3	34
195	Structure-based design of selective high-affinity telomeric quadruplex-binding ligands. <i>Chemical Communications</i> , 2010, 46, 9116.	2.2	44
196	Putative DNA G-quadruplex formation within the promoters of <i>Plasmodium falciparum</i> var genes. <i>BMC Genomics</i> , 2009, 10, 362.	1.2	61
197	A new method for the determination of the relative affinity of a ligand against various DNA sequences by electrospray ionization mass spectrometry. Application to a polyamide minor groove binder. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1171-1181.	0.7	5
198	Quantitative methods for food allergens: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 57-67.	1.9	106

#	ARTICLE	IF	CITATIONS
199	Thiaminylated adenine nucleotides. Chemical synthesis, structural characterization and natural occurrence. <i>FEBS Journal</i> , 2009, 276, 3256-3268.	2.2	44
200	Electron detachment dissociation (EDD) pathways in oligonucleotides. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 206-213.	0.7	20
201	Advances in quality control for dioxins monitoring and evaluation of measurement uncertainty from quality control data. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2380-2387.	1.2	7
202	TxXIIIA, an atypical homodimeric conotoxin found in the <i>Conus textile</i> venom. <i>Journal of Proteomics</i> , 2009, 72, 219-226.	1.2	20
203	Positively Cooperative Binding of Zinc Ions to <i>Bacillus cereus</i> 569/H/9 β -Lactamase II Suggests that the Binuclear Enzyme Is the Only Relevant Form for Catalysis. <i>Journal of Molecular Biology</i> , 2009, 392, 1278-1291.	2.0	28
204	Ku proteins interact with activator protein-2 transcription factors and contribute to ERBB2 overexpression in breast cancer cell lines. <i>Breast Cancer Research</i> , 2009, 11, R83.	2.2	25
205	A Simple Method to Determine Electrospray Response Factors of Noncovalent Complexes. <i>Analytical Chemistry</i> , 2009, 81, 6708-6715.	3.2	75
206	Hybridization of short complementary PNAs to G-quadruplex forming oligonucleotides: An electrospray mass spectrometry study. <i>Biopolymers</i> , 2009, 91, 244-255.	1.2	34
207	Detection of Oligonucleotide Gas-Phase Conformers: H/D Exchange and Ion Mobility as Complementary Techniques. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 938-946.	1.2	30
208	Mass spectrometric study of the ionized C ₆₀ : (β -cyclodextrin) ₂ inclusion complex by collision induced dissociation. <i>Journal of Mass Spectrometry</i> , 2008, 43, 242-250.	0.7	9
209	Cooperative 2:1 Binding of a Bisphenothiazine to Duplex DNA. <i>ChemBioChem</i> , 2008, 9, 849-852.	1.3	5
210	Identification of Trinucleotide Repeat Ligands with a FRET Melting Assay. <i>ChemBioChem</i> , 2008, 9, 1229-1234.	1.3	20
211	Coating of gold nanoparticles by thermosensitive poly(N-isopropylacrylamide) end-capped by biotin. <i>Polymer</i> , 2008, 49, 1145-1153.	1.8	88
212	Mercury immune toxicity in harbour seals: links to in vitro toxicity. <i>Environmental Health</i> , 2008, 7, 52.	1.7	68
213	Cell Membrane Proteomic Analysis Identifies Proteins Differentially Expressed in Osteotropic Human Breast Cancer Cells. <i>Neoplasia</i> , 2008, 10, 1014-IN11.	2.3	31
214	Proteome analysis of the bovine milk fat globule: Enhancement of membrane purification. <i>International Dairy Journal</i> , 2008, 18, 885-893.	1.5	49
215	G-Quadruplex DNA Assemblies: Loop Length, Cation Identity, and Multimer Formation. <i>Journal of the American Chemical Society</i> , 2008, 130, 10208-10216.	6.6	246
216	Electrospray mass spectrometry to study drug-nucleic acids interactions. <i>Biochimie</i> , 2008, 90, 1074-1087.	1.3	142

#	ARTICLE	IF	CITATIONS
217	Empirical relationship between precision and ultra-trace concentrations of PCDD/Fs and dioxin-like PCBs in biological matrices. <i>Chemosphere</i> , 2008, 71, 379-387.	4.2	5
218	Infrared Signature of DNA G-Quadruplexes in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2008, 130, 1810-1811.	6.6	63
219	Pores Formation on Cell Membranes by Hederacolchiside A1 Leads to a Rapid Release of Proteins for Cytosolic Subproteome Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 1683-1692.	1.8	16
220	Chapter 14 Persistent Organochlorine Pollutants, Dioxins and Polychlorinated Biphenyls. <i>Comprehensive Analytical Chemistry</i> , 2008, 51, 457-506.	0.7	8
221	Absorption, disposition and excretion of polybrominated diphenyl ethers (PBDEs) in chicken. <i>Chemosphere</i> , 2007, 66, 320-325.	4.2	36
222	Stabilization and Structure of Telomeric and c-myc Region Intramolecular G-Quadruplexes: The Role of Central Cations and Small Planar Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 895-904.	6.6	143
223	Impact of Iron and Steel Industry and Waste Incinerators on Human Exposure to Dioxins, PCBs, and Heavy Metals: Results of a Cross-Sectional Study in Belgium. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 222-226.	1.1	46
224	Mitoproteome Plasticity of Rat Brown Adipocytes in Response to Cold Acclimation. <i>Journal of Proteome Research</i> , 2007, 6, 25-33.	1.8	24
225	Base-Dependent Electron Photodetachment from Negatively Charged DNA Strands upon 260-nm Laser Irradiation. <i>Journal of the American Chemical Society</i> , 2007, 129, 4706-4713.	6.6	97
226	An Immuno-PF2D-MS/MS Proteomic Approach for Bacterial Antigenic Characterization: To Bacillus and Beyond. <i>Journal of Proteome Research</i> , 2007, 6, 2168-2175.	1.8	12
227	New Method for Characterizing Highly Disulfide-Bridged Peptides in Complex Mixtures: Application to Toxin Identification from Crude Venoms. <i>Journal of Proteome Research</i> , 2007, 6, 3216-3223.	1.8	82
228	Rational Selection of the Optimum MALDI Matrix for Top-Down Proteomics by In-Source Decay. <i>Analytical Chemistry</i> , 2007, 79, 8678-8685.	3.2	133
229	Mass spectrometric characterization of 3- <i>imino</i> [60]fulleryl-3-deoxythymidine by collision-induced dissociation. <i>Journal of Mass Spectrometry</i> , 2007, 42, 304-311.	0.7	9
230	Development of an absolute quantification method targeting growth hormone biomarkers using liquid chromatography coupled to isotope dilution mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 300-306.	1.8	82
231	Ligand binding mode to duplex and triplex dna assessed by combining electrospray tandem mass spectrometry and molecular modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1052-1062.	1.2	36
232	Electron photodetachment dissociation of DNA anions with covalently or noncovalently bound chromophores. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1990-2000.	1.2	34
233	Identification of specific reachable molecular targets in human breast cancer using a versatile <i>ex vivo</i> proteomic method. <i>Proteomics</i> , 2007, 7, 1188-1196.	1.3	29
234	Discovery of a natural thiamine adenine nucleotide. <i>Nature Chemical Biology</i> , 2007, 3, 211-212.	3.9	99

#	ARTICLE	IF	CITATIONS
235	Conformationally driven gas-phase H/D exchange of dinucleotide negative ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1827-1834.	1.2	14
236	Electron Photodetachment Dissociation of DNA Polyanions in a Quadrupole Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2006, 78, 6564-6572.	3.2	105
237	<i>Saccharomyces cerevisiae</i> Mitoproteome Plasticity in Response to Recombinant Alternative Ubiquinol Oxidase. <i>Journal of Proteome Research</i> , 2006, 5, 339-348.	1.8	15
238	Toxicokinetic study of dioxins and furans in laying chickens. <i>Environment International</i> , 2006, 32, 466-469.	4.8	26
239	Advances in immunoproteomics for serological characterization of microbial antigens. <i>Journal of Microbiological Methods</i> , 2006, 67, 593-596.	0.7	18
240	Proteomics in <i>Myzus persicae</i> : Effect of aphid host plant switch. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 219-227.	1.2	67
241	High-throughput biomonitoring of dioxins and polychlorinated biphenyls at the sub-picogram level in human serum. <i>Journal of Chromatography A</i> , 2006, 1130, 97-107.	1.8	26
242	Suitability of tandem-in-time mass spectrometry for polybrominated diphenylether measurement in fish and shellfish samples: Comparison with high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1115, 125-132.	1.8	28
243	Dioxin analysis in feed: cell-based assay versus mass spectrometry method. <i>Accreditation and Quality Assurance</i> , 2006, 11, 38-43.	0.4	3
244	Positive and negative ion mode ESI-MS and MS/MS for studying drug-DNA complexes. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 156-171.	0.7	94
245	G-quadruplexes in telomeric repeats are conserved in a solvent-free environment. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 225-237.	0.7	80
246	Uncoupling protein 1 affects the yeast mitoproteome and oxygen free radical production. <i>Free Radical Biology and Medicine</i> , 2006, 40, 303-315.	1.3	21
247	Recent advances in mass spectrometric measurement of dioxins. <i>Journal of Chromatography A</i> , 2005, 1067, 265-275.	1.8	51
248	Comprehensive two-dimensional gas chromatography with isotope dilution time-of-flight mass spectrometry for the measurement of dioxins and polychlorinated biphenyls in foodstuffs. <i>Journal of Chromatography A</i> , 2005, 1086, 45-60.	1.8	82
249	Internal energy and fragmentation of ions produced in electrospray sources. <i>Mass Spectrometry Reviews</i> , 2005, 24, 566-587.	2.8	284
250	Removal of dioxins and PCB from fish oil by activated carbon and its influence on the nutritional quality of the oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2005, 82, 593-597.	0.8	73
251	Fast gas-phase hydrogen/deuterium exchange observed for a DNA G-quadruplex. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 201-208.	0.7	31
252	Ascididemin and meridine stabilise G-quadruplexes and inhibit telomerase in vitro. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1724, 375-384.	1.1	61

#	ARTICLE	IF	CITATIONS
253	Environmental and Human Impact of an Old-Timer Incinerator in Terms of Dioxin and PCB Level: A Case Study. <i>Environmental Science & Technology</i> , 2005, 39, 4721-4728.	4.6	43
254	Steatosis-Induced Proteomic Changes in Liver Mitochondria Evidenced by Two-Dimensional Differential In-Gel Electrophoresis. <i>Journal of Proteome Research</i> , 2005, 4, 2024-2031.	1.8	35
255	Validation and Interpretation of CALUX as a Tool for the Estimation of Dioxin-Like Activity in Marine Biological Matrixes. <i>Environmental Science & Technology</i> , 2005, 39, 1741-1748.	4.6	41
256	Formation of PCDD/Fs in the sintering process: role of the grid Cr ₂ O ₃ catalyst in the de novo synthesis. <i>Chemosphere</i> , 2005, 59, 1399-1406.	4.2	4
257	Uptake of polychlorodibenzo-p-dioxins, polychlorodibenzofurans and coplanar polychlorobiphenyls in chickens. <i>Environment International</i> , 2005, 31, 585-591.	4.8	56
258	From Dormant to Germinating Spores of <i>Streptomyces coelicolor</i> A3(2): A New Perspectives from the crp Null Mutant. <i>Journal of Proteome Research</i> , 2005, 4, 1699-1708.	1.8	71
259	Rapid identification of environmental bacterial strains by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2013-2019.	0.7	112
260	Influence of the capillary temperature and the source pressure on the internal energy distribution of electrosprayed ions. <i>International Journal of Mass Spectrometry</i> , 2004, 231, 189-195.	0.7	60
261	Performances and limitations of the HRMS method for dioxins, furans and dioxin-like PCBs analysis in animal feedingstuffs. <i>Analytica Chimica Acta</i> , 2004, 519, 243-253.	2.6	9
262	Performances and limitations of the HRMS method for dioxins, furans and dioxin-like PCBs analysis in animal feedingstuffs. <i>Analytica Chimica Acta</i> , 2004, 519, 231-242.	2.6	13
263	Formation of PCDD/Fs in the Sintering Process: Influence of the Raw Materials. <i>Environmental Science & Technology</i> , 2004, 38, 4222-4226.	4.6	46
264	Automated sample preparation-fractionation for the measurement of dioxins and related compounds in biological matrices: a review. <i>Talanta</i> , 2004, 63, 1101-1113.	2.9	80
265	DR-CALUXS screening of food samples: evaluation of the quantitative approach to measure dioxin, furans and dioxin-like PCBs. <i>Talanta</i> , 2004, 63, 1193-1202.	2.9	41
266	A strategy to identify specific biomarkers related to the effects of a PCDD/F mixture on the immune system of marine mammals. <i>Talanta</i> , 2004, 63, 1225-1230.	2.9	6
267	PTV-LV-GC/MS/MS as screening and complementary method to HRMS for the monitoring of dioxin levels in food and feed. <i>Talanta</i> , 2004, 63, 1135-1146.	2.9	57
268	Prevention of dioxins de novo formation by ethanolamines. <i>Environmental Chemistry Letters</i> , 2003, 1, 51-56.	8.3	13
269	Influence of response factors on determining equilibrium association constants of non-covalent complexes by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 491-501.	0.7	138
270	New strategy for comprehensive analysis of polybrominated diphenyl ethers, polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and polychlorinated biphenyls by gas chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 998, 169-181.	1.8	71

#	ARTICLE	IF	CITATIONS
271	Selective Interaction of Ethidium Derivatives with Quadruplexes: An Equilibrium Dialysis and Electrospray Ionization Mass Spectrometry Analysis. <i>Biochemistry</i> , 2003, 42, 10361-10371.	1.2	122
272	Calibration of Ion Effective Temperatures Achieved by Resonant Activation in a Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2003, 75, 5152-5159.	3.2	28
273	Interactions of cryptolepine and neocryptolepine with unusual DNA structures. <i>Biochimie</i> , 2003, 85, 535-547.	1.3	133
274	Dioxin Accumulation in Residents Around Incinerators. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 1287-1293.	1.1	33
275	Dioxin/polychlorinated biphenyl body burden, diabetes and endometriosis: findings in a population-based study in Belgium. <i>Biomarkers</i> , 2003, 8, 529-534.	0.9	152
276	Molecular Characterization of a Specific Thiamine Triphosphatase Widely Expressed in Mammalian Tissues. <i>Journal of Biological Chemistry</i> , 2002, 277, 13771-13777.	1.6	42
277	Amines Compounds as Inhibitors of PCDD/Fs De Novo Formation on Sintering Process Fly Ash. <i>Environmental Science & Technology</i> , 2002, 36, 2760-2765.	4.6	37
278	Fast automated extraction and clean-up of biological fluids for polychlorinated dibenzo-p-dioxins, dibenzofurans and coplanar polychlorinated biphenyls analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 776, 199-212.	1.2	44
279	Comparison of the collision-induced dissociation of duplex DNA at different collision regimes: Evidence for a multistep dissociation mechanism. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 91-98.	1.2	66
280	On the specificity of cyclodextrin complexes detected by electrospray mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 946-953.	1.2	99
281	Advantages and drawbacks of nanospray for studying noncovalent protein-DNA complexes by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1723-1728.	0.7	47
282	Triplex and quadruplex DNA structures studied by electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1729-1736.	0.7	154
283	Multiresidue determination of (fluoro)quinolone antibiotics in swine kidney using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 952, 121-129.	1.8	80
284	De Novo Synthesis of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans on Fly Ash from a Sintering Process. <i>Environmental Science & Technology</i> , 2001, 35, 1616-1623.	4.6	63
285	Comparison between solution-phase stability and gas-phase kinetic stability of oligodeoxynucleotide duplexes. <i>Journal of Mass Spectrometry</i> , 2001, 36, 397-402.	0.7	92
286	Fast clean-up for polychlorinated dibenzo-p-dioxins, dibenzofurans and coplanar polychlorinated biphenyls analysis of high-fat-content biological samples. <i>Journal of Chromatography A</i> , 2001, 925, 207-221.	1.8	110
287	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 2001, 8, 21-27.	0.1	4
288	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry. , 1999, 34, 1328-1337.		168

#	ARTICLE	IF	CITATIONS
289	Thermal energy distribution observed in electrospray ionization. <i>Journal of Mass Spectrometry</i> , 1999, 34, 1373-1379.	0.7	90
290	Supercritical fluid extraction of polychlorinated dibenzo-p-dioxins from fly ash: the importance of fly ash origin and composition on extraction efficiency. <i>Journal of Chromatography A</i> , 1998, 819, 187-195.	1.8	25
291	On the origin of the abundance distribution of apomyoglobin multiply charged ions in electrospray mass spectrometry. , 1998, 12, 239-245.		7
292	Naphthopyranone glycosides from <i>Paepalanthus bromelioides</i> . <i>Phytochemistry</i> , 1998, 49, 207-210.	1.4	19
293	[8] Matrix selection for liquid secondary ion and fast atom bombardment mass spectrometry. <i>Methods in Enzymology</i> , 1990, 193, 201-214.	0.4	11
294	Liquid matrices for secondary ion mass spectrometry. <i>Mass Spectrometry Reviews</i> , 1986, 5, 191-212.	2.8	119
295	On the identification of the sulfur oxidation state in inorganic sodium sulfoxy salts by laser microprobe mass analysis and secondary ion mass spectrometry. <i>Analytical Chemistry</i> , 1985, 57, 361-362.	3.2	8
296	On the formation of clusters in secondary ion mass spectrometry of molecular solids. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 949.	2.0	3
297	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry. , 0, .		1