

David Touboul

List of Publications by Year in descending order

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150
papers

5,960
citations

87401

40
h-index

100535

70
g-index

160
all docs

160
docs citations

160
times ranked

7810
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiparasitic Ovalicin Derivatives from <i>Pseudallescheria boydii</i> , a Mutualistic Fungus of French Guiana Termites. <i>Molecules</i> , 2022, 27, 1182.	1.7	6
2	Dereplication of Acetogenins from <i>Annona muricata</i> by Combining Tandem Mass Spectrometry after Lithium and Copper Postcolumn Cationization and Molecular Networks. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 627-634.	1.2	4
3	Classification of Environmental Strains from Order to Genus Levels Using Lipid and Protein MALDI-ToF Fingerprints and Chemotaxonomic Network Analysis. <i>Microorganisms</i> , 2022, 10, 831.	1.6	4
4	Shotgun lipidomics and mass spectrometry imaging unveil diversity and dynamics in <i>Gammarus fossarum</i> lipid composition. <i>IScience</i> , 2021, 24, 102115.	1.9	15
5	Does the Phytochemical Diversity of Wild Plants Like the <i>Erythrophleum</i> genus Correlate with Geographical Origin?. <i>Molecules</i> , 2021, 26, 1668.	1.7	1
6	Dereplication, Annotation, and Characterization of 74 Potential Antimicrobial Metabolites from <i>Penicillium Sclerotiorum</i> Using t-SNE Molecular Networks. <i>Metabolites</i> , 2021, 11, 444.	1.3	15
7	Untargeted metabolomics approach to discriminate mistletoe commercial products. <i>Scientific Reports</i> , 2021, 11, 14205.	1.6	10
8	A rapid and sensitive method for characterization and quantification of polyglycerol esters by supercritical fluid chromatography coupled to high-resolution mass spectrometry (SFC-HRMS). <i>Talanta</i> , 2021, 230, 122316.	2.9	2
9	Identification of Antagonistic Compounds between the Palm Tree Xylariales Endophytic Fungi and the Phytopathogen <i>Fusarium oxysporum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10893-10906.	2.4	6
10	Combining Chemical Knowledge and Quantum Calculation for Interpreting Low-Energy Product Ion Spectra of Metabolite Adduct Ions: Sodiated Diterpene Diester Species as a Case Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2499-2504.	1.2	4
11	Alternative and sustainable solvents for green analytical chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100510.	3.2	26
12	Annotation and quantification of N-acyl homoserine lactones implied in bacterial quorum sensing by supercritical-fluid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2261-2276.	1.9	21
13	Identification of Antimicrobial Compounds from <i>Sandwithia guyanensis</i> -Associated Endophyte Using Molecular Network Approach. <i>Plants</i> , 2020, 9, 47.	1.6	17
14	Narrow Aperture Detection Electrodes ICR Cell with Quadrupolar Ion Detection for FT-ICR MS at the Cyclotron Frequency. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2258-2269.	1.2	4
15	Isolation of Picrotoxanes from <i>Austrobuxus carunculatus</i> Using Taxonomy-Based Molecular Networking. <i>Journal of Natural Products</i> , 2020, 83, 3069-3079.	1.5	12
16	Identification and dereplication of endophytic <i>Colletotrichum</i> strains by MALDI TOF mass spectrometry and molecular networking. <i>Scientific Reports</i> , 2020, 10, 19788.	1.6	13
17	Comparison of internal energy distributions generated by supercritical fluid chromatography versus liquid chromatography hyphenated with electrospray high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1634, 461703.	1.8	2
18	Multimodal Imaging Mass Spectrometry to Identify Markers of Pulmonary Arterial Hypertension in Human Lung Tissue Using MALDI-ToF, ToF-SIMS, and Hybrid SIMS. <i>Analytical Chemistry</i> , 2020, 92, 12079-12087.	3.2	33

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19	Atmospheric pressure photoionization versus electrospray for the dereplication of highly conjugated natural products using molecular networks. <i>Journal of Chromatography A</i> , 2020, 1630, 461533.	1.8	6
20	Impact of the gut microbiota on the m6A epitranscriptome of mouse cecum and liver. <i>Nature Communications</i> , 2020, 11, 1344.	5.8	59
21	Generation of a Molecular Network from Electron Ionization Mass Spectrometry Data by Combining MZmine2 and MetGem Software. <i>Analytical Chemistry</i> , 2019, 91, 11489-11492.	3.2	21
22	Lipidomics Conquers a Niche, Consolidates Growth. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3188.	1.8	2
23	Supercritical fluid chromatography coupled to mass spectrometry for lipidomics. <i>Journal of Mass Spectrometry</i> , 2019, 54, 791-801.	0.7	24
24	Isolation of phenanthrenes and identification of phorbol ester derivatives as potential anti-CHIKV agents using FBMN and NAP from <i>Sagotia racemosa</i> . <i>Phytochemistry</i> , 2019, 167, 112101.	1.4	4
25	Antiviral Compounds from <i>Codiaeum peltatum</i> Targeted by a Multi-informative Molecular Networks Approach. <i>Journal of Natural Products</i> , 2019, 82, 330-340.	1.5	28
26	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4192-4196.	2.1	6
27	Investigation of Premyrsinane and Myrsinane Esters in <i>Euphorbia cupanii</i> and <i>Euphorbia pithyusa</i> with MS2LDA and Combinatorial Molecular Network Annotation Propagation. <i>Journal of Natural Products</i> , 2019, 82, 1459-1470.	1.5	24
28	Innovative omics-based approaches for prioritisation and targeted isolation of natural products – new strategies for drug discovery. <i>Natural Product Reports</i> , 2019, 36, 855-868.	5.2	142
29	Structural Identification of Antibacterial Lipids from Amazonian Palm Tree Endophytes through the Molecular Network Approach. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2006.	1.8	20
30	Kidney Lipidomics by Mass Spectrometry Imaging: A Focus on the Glomerulus. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1623.	1.8	19
31	Biosynthetic investigation of $\hat{1}^3$ -lactones in <i>Sextonia rubra</i> wood using in situ TOF-SIMS MS/MS imaging to localize and characterize biosynthetic intermediates. <i>Scientific Reports</i> , 2019, 9, 1928.	1.6	20
32	Is methanol a dopant under atmospheric pressure photoionization conditions?. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 208-211.	0.5	2
33	Internal Energy Distribution of Secondary Ions Under Argon and Bismuth Cluster Bombardments: “Soft” Versus “Hard” Desorption/Ionization Process. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 321-328.	1.2	13
34	Regiospecific synthesis by copper- and ruthenium-catalyzed azide-alkyne 1,3-dipolar cycloaddition, anticancer and anti-inflammatory activities of oleanolic acid triazole derivatives. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3732-3742.	2.3	14
35	Structurally Diverse Diterpenoids from <i>Sandwithia guyanensis</i> . <i>Journal of Natural Products</i> , 2018, 81, 901-912.	1.5	18
36	Bioactivity-Based Molecular Networking for the Discovery of Drug Leads in Natural Product Bioassay-Guided Fractionation. <i>Journal of Natural Products</i> , 2018, 81, 758-767.	1.5	237

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37	DYRK1A inhibition and cognitive rescue in a Down syndrome mouse model are induced by new fluoro-DANDY derivatives. <i>Scientific Reports</i> , 2018, 8, 2859.	1.6	49
38	Profiling of modified nucleosides from ribonucleic acid digestion by supercritical fluid chromatography coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1537, 118-127.	1.8	14
39	Insights into the MALDI Process after Matrix Deposition by Sublimation Using 3D ToF-SIMS Imaging. <i>Analytical Chemistry</i> , 2018, 90, 1907-1914.	3.2	52
40	Validated Method for Strigolactone Quantification by Ultra High Performance Liquid Chromatography coupled Electro-spray Ionisation Tandem Mass Spectrometry Using Novel Deuterium Labelled Standards. <i>Phytochemical Analysis</i> , 2018, 29, 59-68.	1.2	22
41	MetGem Software for the Generation of Molecular Networks Based on the t-SNE Algorithm. <i>Analytical Chemistry</i> , 2018, 90, 13900-13908.	3.2	132
42	Tandem Mass Spectrometry Imaging and in Situ Characterization of Bioactive Wood Metabolites in Amazonian Tree Species <i>Sextonia rubra</i> . <i>Analytical Chemistry</i> , 2018, 90, 7535-7543.	3.2	17
43	Fingerprints of flower absolutes using supercritical fluid chromatography hyphenated with high resolution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 1-6.	1.2	15
44	Searching for original natural products by molecular networking: detection, isolation and total synthesis of chloroaustralasines. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2171-2178.	2.3	26
45	Metabolism dysregulation induces a specific lipid signature of nonalcoholic steatohepatitis in patients. <i>Scientific Reports</i> , 2017, 7, 46658.	1.6	168
46	Structural Characterisation of Acetogenins from <i>Annona muricata</i> by Supercritical Fluid Chromatography Coupled to High-Resolution Tandem Mass Spectrometry. <i>Phytochemical Analysis</i> , 2017, 28, 512-520.	1.2	15
47	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. <i>ACS Chemical Biology</i> , 2017, 12, 2644-2651.	1.6	112
48	Environmentally Friendly Procedure Based on Supercritical Fluid Chromatography and Tandem Mass Spectrometry Molecular Networking for the Discovery of Potent Antiviral Compounds from <i>Euphorbia semiperfoliata</i> . <i>Journal of Natural Products</i> , 2017, 80, 2620-2629.	1.5	51
49	Optimized experimental workflow for tandem mass spectrometry molecular networking in metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5767-5778.	1.9	28
50	Dual Beam Depth Profiling and Imaging with Argon and Bismuth Clusters of Prenylated Stilbenes on Glandular Trichomes of <i>Macaranga vedeliana</i> . <i>Analytical Chemistry</i> , 2017, 89, 9247-9252.	3.2	10
51	An Integrative Approach to Decipher the Chemical Antagonism between the Competing Endophytes <i>Paraconiothyrium variable</i> and <i>Bacillus subtilis</i> . <i>Journal of Natural Products</i> , 2017, 80, 2863-2873.	1.5	25
52	MZmine 2 Data-Preprocessing To Enhance Molecular Networking Reliability. <i>Analytical Chemistry</i> , 2017, 89, 7836-7840.	3.2	135
53	Isolation of Premyrasinane, Myrsinane, and Tiglane Diterpenoids from <i>Euphorbia pithyusa</i> Using a Chikungunya Virus Cell-Based Assay and Analogue Annotation by Molecular Networking. <i>Journal of Natural Products</i> , 2017, 80, 2051-2059.	1.5	37
54	Regiospecific synthesis, antibacterial and anticoagulant activities of novel isoxazoline chromene derivatives. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2651-S2658.	2.3	40

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55	Isolation and structure elucidation of acetylcholinesterase lipophilic lupeol derivatives inhibitors from the latex of the Tunisian <i>Periploca laevigata</i> . <i>Arabian Journal of Chemistry</i> , 2017, 10, S2767-S2772.	2.3	16
56	Mapping <i>Dicorynia guianensis</i> Amsh. wood constituents by submicron resolution cluster TOF-SIMS imaging. <i>Journal of Mass Spectrometry</i> , 2016, 51, 412-423.	0.7	10
57	Regiospecific synthesis, anti-inflammatory and anticancer evaluation of novel 3,5-disubstituted isoxazoles from the natural maslinic and oleanolic acids. <i>Industrial Crops and Products</i> , 2016, 85, 287-299.	2.5	33
58	Development of HPLC-Orbitrap method for identification of N-bearing molecules in complex organic material relevant to planetary environments. <i>Icarus</i> , 2016, 275, 259-266.	1.1	21
59	High mass and spatial resolution mass spectrometry imaging of Nicolas Poussin painting cross section by cluster TOF-SIMS. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1196-1210.	0.7	21
60	Quantification of the environmental neurotoxin annonacin in Rat brain by UPLC-MS/MS. <i>Toxicol</i> , 2016, 118, 129-133.	0.8	8
61	Validation data for the quantification of the Annonaceous acetogenin annonacin in Rat brain by UPLC-MS/MS. <i>Data in Brief</i> , 2016, 7, 1633-1638.	0.5	3
62	What more can TOF-SIMS bring than other MS imaging methods?. <i>Bioanalysis</i> , 2016, 8, 367-369.	0.6	20
63	Design, synthesis of novel pyranotriazolopyrimidines and evaluation of their anti-soybean lipoxygenase, anti-xanthine oxidase, and cytotoxic activities. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1277-1285.	2.5	6
64	Efficient extraction and purification of flexibilane and tigliane diterpenoids from <i>Stillingia lineata</i> using sequential SFE-CO ₂ and SFC-CO ₂ . <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	1
65	Time-of-flight secondary ion mass spectrometry imaging of biological samples with delayed extraction for high mass and high spatial resolutions. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1187-1195.	0.7	87
66	Lipidomics by Supercritical Fluid Chromatography. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13868-13884.	1.8	96
67	Exploring the peptide fragmentation mechanisms under atmospheric pressure photoionization using tunable VUV synchrotron radiation. <i>International Journal of Mass Spectrometry</i> , 2015, 379, 80-86.	0.7	3
68	Semi-synthesis of new antimicrobial esters from the natural oleanolic and maslinic acids. <i>Food Chemistry</i> , 2015, 183, 8-17.	4.2	42
69	Synthesis and antimicrobial activity of novel coumarin derivatives from 4-methylumbelliferone. <i>Medicinal Chemistry Research</i> , 2015, 24, 3247-3257.	1.1	20
70	Quantification of tocopherols and tocotrienols in soybean oil by supercritical-fluid chromatography coupled to high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5133-5142.	1.9	54
71	Insights on profiling of phorbol, deoxyphorbol, ingenol and jatrophone diterpene esters by high performance liquid chromatography coupled to multiple stage mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1422, 128-139.	1.8	29
72	Method development for quantification of the environmental neurotoxin annonacin in Rat plasma by UPLC-MS/MS and application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1004, 46-52.	1.2	17

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73	Biomedical studies by TOF-SIMS imaging. <i>Biointerphases</i> , 2015, 10, 018901.	0.6	20
74	Chiral Calcium-BINOL Phosphate Catalyzed Diastereo- and Enantioselective Synthesis of <i>syn</i> -1,2-Disubstituted 1,2-Diamines: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 1704-1712.	1.7	34
75	Synthesis and spectral studies of biologically active organophosphorus derivatives of substituted 4-(2-hydroxyphenylamino)-2H-chromen-2-one. <i>Medicinal Chemistry Research</i> , 2015, 24, 2167-2176.	1.1	3
76	Neuroprotective effects of a brain permeant 6-aminoquinoxaline derivative in cell culture conditions that model the loss of dopaminergic neurons in Parkinson disease. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 467-479.	2.6	17
77	TOF-SIMS Imaging of Lipids on Rat Brain Sections. <i>Methods in Molecular Biology</i> , 2015, 1203, 21-27.	0.4	4
78	MALDI Mass Spectrometry Imaging of Lipids and Primary Metabolites on Rat Brain Sections. <i>Methods in Molecular Biology</i> , 2015, 1203, 41-48.	0.4	6
79	Low doses of arginine butyrate derivatives improve dystrophic phenotype and restore membrane integrity in DMD models. <i>FASEB Journal</i> , 2014, 28, 2603-2619.	0.2	15
80	Lipidomics of Alzheimer's disease. <i>Bioanalysis</i> , 2014, 6, 541-561.	0.6	43
81	Impact of Inhaled Nitric Oxide on the Sulfatide Profile of Neonatal Rat Brain Studied by TOF-SIMS Imaging. <i>International Journal of Molecular Sciences</i> , 2014, 15, 5233-5245.	1.8	12
82	Evaluation of synthase and hemisynthase activities of glucosamine-6-phosphate synthase by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytical Biochemistry</i> , 2014, 458, 61-65.	1.1	3
83	MALDI Mass Spectrometry Imaging of 1-Methyl-4-phenylpyridinium (MPP+) in Mouse Brain. <i>Neurotoxicity Research</i> , 2014, 25, 135-145.	1.3	27
84	Ultra performance liquid chromatography mass spectrometry studies of formalin-induced alterations of human brain lipidome. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1035-1042.	0.7	24
85	Cluster TOF-SIMS imaging as a tool for micrometric histology of lipids in tissue. <i>Mass Spectrometry Reviews</i> , 2014, 33, 442-451.	2.8	57
86	Nitrogen incorporation in Titan's tholins inferred by high resolution orbitrap mass spectrometry and gas chromatography mass spectrometry. <i>Earth and Planetary Science Letters</i> , 2014, 404, 33-42.	1.8	39
87	Oligonucleotide Analogues with Integrated Bases and Backbone. Part 32. <i>Helvetica Chimica Acta</i> , 2014, 97, 1244-1268.	1.0	1
88	Optimization and validation of a label-free MRM method for the quantification of cytochrome P450 isoforms in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4861-4874.	1.9	5
89	Oligonucleotide Analogues with Integrated Bases and Backbone (ONIB). Part 31. <i>Helvetica Chimica Acta</i> , 2014, 97, 1037-1054.	1.0	3
90	Identification of the Environmental Neurotoxins Annonaceous Acetogenins in an <i>Annona cherimolia</i> Mill. Alcoholic Beverage Using HPLC-ESI-LTQ-Orbitrap. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8696-8704.	2.4	24

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91	A regioselective 1,3-dipolar cycloaddition for the synthesis of novel spiro-chromene thiadiazole derivatives. <i>Comptes Rendus Chimie</i> , 2014, 17, 171-178.	0.2	4
92	Letter: Determination of Ionization Energies of a Monoterpene Series by Atmospheric Pressure Photoionization Using Tunable Vacuum Ultraviolet Synchrotron Radiation. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 403-407.	0.5	5
93	Compatibility between TOF-SIMS lipid imaging and histological staining on a rat brain section. <i>Surface and Interface Analysis</i> , 2013, 45, 260-263.	0.8	11
94	Localisation and quantification of benzalkonium chloride in eye tissue by TOF-SIMS imaging and liquid chromatography mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4039-4049.	1.9	47
95	Quantification of Retinoid Compounds by Supercritical Fluid Chromatography Coupled to Ultraviolet Diode Array Detection. <i>Chromatographia</i> , 2013, 76, 1097-1105.	0.7	25
96	Time-of-flight secondary ion mass spectrometry (TOF-SIMS) imaging reveals cholesterol overload in the cerebral cortex of Alzheimer disease patients. <i>Acta Neuropathologica</i> , 2013, 125, 133-144.	3.9	120
97	Study of experimental variability in TOF-SIMS mass spectrometry imaging of biological samples. <i>International Journal of Mass Spectrometry</i> , 2013, 337, 43-49.	0.7	18
98	Argon Cluster Ion Source Evaluation on Lipid Standards and Rat Brain Tissue Samples. <i>Analytical Chemistry</i> , 2013, 85, 7745-7752.	3.2	75
99	VUV photoionization of gas phase adenine and cytosine: A comparison between oven and aerosol vaporization. <i>Journal of Chemical Physics</i> , 2013, 138, 094203.	1.2	30
100	Lipidomic and Spatio-Temporal Imaging of Fat by Mass Spectrometry in Mice Duodenum during Lipid Digestion. <i>PLoS ONE</i> , 2013, 8, e58224.	1.1	42
101	Synthesis of Novel Fused Coumarine and naphtho[2,1-b]pyrano[3,2-e][1,2,4] triazolo[1,5-c]pyrimidine Derivatives. <i>Letters in Organic Chemistry</i> , 2013, 10, 185-190.	0.2	4
102	Comprehensive characterization of Annonaceous acetogenins within a complex extract by HPLC-ESI-MS/MS using post-column lithium infusion. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1500-1509.	0.7	24
103	Choline-containing phospholipids in microdissected human Alzheimer's disease brain senile plaque versus neuropil. <i>Bioanalysis</i> , 2012, 4, 2153-2159.	0.6	26
104	MALDI Imaging and Structural Analysis of Rat Brain Lipid Negative Ions with 9-Aminoacridine Matrix. <i>Analytical Chemistry</i> , 2012, 84, 2164-2171.	3.2	130
105	Atmospheric pressure photoionization mass spectrometry of guanine using tunable synchrotron VUV radiation. <i>International Journal of Mass Spectrometry</i> , 2012, 321-322, 14-18.	0.7	4
106	A New Safety Concern for Glaucoma Treatment Demonstrated by Mass Spectrometry Imaging of Benzalkonium Chloride Distribution in the Eye, an Experimental Study in Rabbits. <i>PLoS ONE</i> , 2012, 7, e50180.	1.1	92
107	Atmospheric Pressure Photoionization as a Powerful Tool for Large-Scale Lipidomic Studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 869-879.	1.2	23
108	Comparison of electrospray ionization, atmospheric pressure chemical ionization and atmospheric pressure photoionization for a lipidomic analysis of <i>Leishmania donovani</i> . <i>Journal of Chromatography A</i> , 2012, 1242, 75-83.	1.8	44

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109	Annonaceous acetogenins as environmental neurotoxins: Human exposure from edible Annona fruits. <i>Planta Medica</i> , 2012, 78, .	0.7	12
110	UPLC-ESI-MS analysis of thymosins $\hat{1}^{24}$ and $\hat{1}^{210}$ in cell lysates: a simple, rapid and sensitive quantification method. <i>Analytical Methods</i> , 2011, 3, 678.	1.3	0
111	Mass spectrometry imaging: Towards a lipid microscope?. <i>Biochimie</i> , 2011, 93, 113-119.	1.3	56
112	Time-of-flight secondary ion mass spectrometer: a novel tool for lipid imaging. <i>Clinical Lipidology</i> , 2011, 6, 437-445.	0.4	7
113	Micrometric molecular histology of lipids by mass spectrometry imaging. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 725-732.	2.8	63
114	MALDI imaging mass spectrometry of lipids by adding lithium salts to the matrix solution. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 75-87.	1.9	41
115	Mass spectrometry imaging of rat brain sections: nanomolar sensitivity with MALDI versus nanometer resolution by TOF- $\hat{1}$ SIMS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 151-162.	1.9	111
116	Animal urine as painting materials in African rock art revealed by cluster ToF- $\hat{1}$ SIMS mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2010, 45, 944-950.	0.7	21
117	Structural study of acetogenins by tandem mass spectrometry under high and low collision energy. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3602-3608.	0.7	27
118	Chemical cross-linking with NHS esters: a systematic study on amino acid reactivities. <i>Journal of Mass Spectrometry</i> , 2009, 44, 694-706.	0.7	233
119	How to deal with weak interactions in noncovalent complexes analyzed by electrospray mass spectrometry: Cyclopeptidic inhibitors of the nuclear receptor coactivator 1-STAT6. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 303-311.	1.2	12
120	In Situ Primary Metabolites Localization on a Rat Brain Section by Chemical Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2009, 81, 5557-5560.	3.2	96
121	Affinity Classification of Kinase Inhibitors by Mass Spectrometric Methods and Validation Using Standard IC50 Measurements. <i>Analytical Chemistry</i> , 2009, 81, 408-419.	3.2	27
122	A simple model for exploring conformation of highly-charged electrosprayed single-stranded oligonucleotides. <i>Chemical Communications</i> , 2009, , 298-300.	2.2	2
123	Which electrospray-based ionization method best reflects protein-ligand interactions found in solution? A comparison of ESI, nanoESI, and ESSI for the determination of dissociation constants with mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 332-343.	1.2	91
124	Investigation of deprotonation reactions on globular and denatured proteins at atmospheric pressure by ESSI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 455-466.	1.2	26
125	Ion internal energy distributions validate the charge residue model for small molecule ion formation by spray methods. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1062-1068.	0.7	30
126	Atmospheric pressure glow discharge desorption mass spectrometry for rapid screening of pesticides in food. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2791-2798.	0.7	68

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127	Binding constant determination of high-affinity protein-ligand complexes by electrospray ionization mass spectrometry and ligand competition. <i>Journal of Mass Spectrometry</i> , 2008, 43, 600-608.	0.7	55
128	The patinas of the Dogon-Tellem statuary: A new vision through physico-chemical analyses. <i>Journal of Cultural Heritage</i> , 2008, 9, 347-353.	1.5	20
129	Gas-Phase Protonation Thermochemistry of Adenosine. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11716-11725.	1.2	23
130	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
131	Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS). <i>Chimia</i> , 2008, 62, 282-286.	0.3	5
132	Manipulation of Charge States of Biopolymer Ions by Atmospheric Pressure Ion/Molecule Reactions Implemented in an Extractive Electrospray Ionization Source. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 273-279.	0.5	26
133	Identification of Ritual Blood in African Artifacts Using TOF-SIMS and Synchrotron Radiation Microspectroscopies. <i>Analytical Chemistry</i> , 2007, 79, 9253-9260.	3.2	50
134	Lipid cartography of atherosclerotic plaque by cluster-TOF-SIMS imaging. <i>Analyst</i> , The, 2007, 132, 24-26.	1.7	58
135	Rapid and Precise Measurements of Gas-Phase Basicity of Peptides and Proteins at Atmospheric Pressure by Electrosonic Spray Ionization-Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11629-11631.	1.2	22
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