

David Touboul

List of Publications by Year in descending order

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150
papers

5,960
citations

76326

40
h-index

88630

70
g-index

160
all docs

160
docs citations

160
times ranked

7119
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of biological time-of-flight-secondary ion mass spectrometry imaging with a bismuth cluster ion source. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1608-1618.	2.8	323
2	Tissue Molecular Ion Imaging by Gold Cluster Ion Bombardment. <i>Analytical Chemistry</i> , 2004, 76, 1550-1559.	6.5	281
3	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.	3.0	237
4	Biological tissue imaging with time-of-flight secondary ion mass spectrometry and cluster ion sources. <i>Journal of Mass Spectrometry</i> , 2005, 40, 985-999.	1.6	233
5	Chemical cross-linking with NHS esters: a systematic study on amino acid reactivities. <i>Journal of Mass Spectrometry</i> , 2009, 44, 694-706.	1.6	233
6	Metabolism dysregulation induces a specific lipid signature of nonalcoholic steatohepatitis in patients. <i>Scientific Reports</i> , 2017, 7, 46658.	3.3	168
7	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.	10.3	142
8	MZmine 2 Data-Preprocessing To Enhance Molecular Networking Reliability. <i>Analytical Chemistry</i> , 2017, 89, 7836-7840.	6.5	135
9	MetGem Software for the Generation of Molecular Networks Based on the t-SNE Algorithm. <i>Analytical Chemistry</i> , 2018, 90, 13900-13908.	6.5	132
10	MALDI Imaging and Structural Analysis of Rat Brain Lipid Negative Ions with 9-Aminoacridine Matrix. <i>Analytical Chemistry</i> , 2012, 84, 2164-2171.	6.5	130
11	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.	7.7	120
12	Lipid imaging by gold cluster time-of-flight secondary ion mass spectrometry: application to Duchenne muscular dystrophy. <i>Journal of Lipid Research</i> , 2005, 46, 1388-1395.	4.2	117
13	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. <i>ACS Chemical Biology</i> , 2017, 12, 2644-2651.	3.4	112
14	Mass spectrometry imaging of rat brain sections: nanomolar sensitivity with MALDI versus nanometer resolution by TOF-SIMS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 151-162.	3.7	111
15	Changes in Phospholipid Composition within the Dystrophic Muscle by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry and Mass Spectrometry Imaging. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 657-664.	1.0	106
16	MALDI-TOF and cluster-TOF-SIMS imaging of Fabry disease biomarkers. <i>International Journal of Mass Spectrometry</i> , 2007, 260, 158-165.	1.5	97
17	In Situ Primary Metabolites Localization on a Rat Brain Section by Chemical Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2009, 81, 5557-5560.	6.5	96
18	Lipidomics by Supercritical Fluid Chromatography. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13868-13884.	4.1	96

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19	A New Safety Concern for Glaucoma Treatment Demonstrated by Mass Spectrometry Imaging of Benzalkonium Chloride Distribution in the Eye, an Experimental Study in Rabbits. PLoS ONE, 2012, 7, e50180.	2.5	92
20	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. Journal of the American Society for Mass Spectrometry, 2008, 19, 332-343.	2.8	91
21	Time-of-flight secondary ion mass spectrometry imaging of biological samples with delayed extraction for high mass and high spatial resolutions. Rapid Communications in Mass Spectrometry, 2015, 29, 1187-1195.	1.5	87
22	Argon Cluster Ion Source Evaluation on Lipid Standards and Rat Brain Tissue Samples. Analytical Chemistry, 2013, 85, 7745-7752.	6.5	75
23	Atmospheric pressure glow discharge desorption mass spectrometry for rapid screening of pesticides in food. Rapid Communications in Mass Spectrometry, 2008, 22, 2791-2798.	1.5	68
24	Micrometric molecular histology of lipids by mass spectrometry imaging. Current Opinion in Chemical Biology, 2011, 15, 725-732.	6.1	63
25	Impact of the gut microbiota on the m6A epitranscriptome of mouse cecum and liver. Nature Communications, 2020, 11, 1344.	12.8	59
26	Lipid cartography of atherosclerotic plaque by cluster-TOF-SIMS imaging. Analyst, The, 2007, 132, 24-26.	3.5	58
27	Cluster TOF-SIMS imaging as a tool for micrometric histology of lipids in tissue. Mass Spectrometry Reviews, 2014, 33, 442-451.	5.4	57
28	Mass spectrometry imaging: Towards a lipid microscope?. Biochimie, 2011, 93, 113-119.	2.6	56
29	Binding constant determination of high-affinity protein-ligand complexes by electrospray ionization mass spectrometry and ligand competition. Journal of Mass Spectrometry, 2008, 43, 600-608.	1.6	55
30	Quantification of tocopherols and tocotrienols in soybean oil by supercritical-fluid chromatography coupled to high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 5133-5142.	3.7	54
31	Insights into the MALDI Process after Matrix Deposition by Sublimation Using 3D ToF-SIMS Imaging. Analytical Chemistry, 2018, 90, 1907-1914.	6.5	52
32	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> . Journal of Natural Products, 2017, 80, 2620-2629.	3.0	51
33	Identification of Ritual Blood in African Artifacts Using TOF-SIMS and Synchrotron Radiation Microspectroscopies. Analytical Chemistry, 2007, 79, 9253-9260.	6.5	50
34	Chemical imaging techniques for the analysis of complex mixtures: New application to the characterization of ritual matters on African wooden statuettes. Analytica Chimica Acta, 2006, 570, 34-40.	5.4	49
35	DYRK1A inhibition and cognitive rescue in a Down syndrome mouse model are induced by new fluoro-DANDY derivatives. Scientific Reports, 2018, 8, 2859.	3.3	49
36	Fast fingerprinting by MALDI-TOF mass spectrometry of urinary sediment glycosphingolipids in Fabry disease. Analytical and Bioanalytical Chemistry, 2005, 382, 1209-1216.	3.7	48

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37	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.	3.7	47
38	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.	3.7	44
39	Lipidomics of Alzheimer's disease. <i>Bioanalysis</i> , 2014, 6, 541-561.	1.5	43
40	Semi-synthesis of new antimicrobial esters from the natural oleanolic and maslinic acids. <i>Food Chemistry</i> , 2015, 183, 8-17.	8.2	42
41	Lipidomic and Spatio-Temporal Imaging of Fat by Mass Spectrometry in Mice Duodenum during Lipid Digestion. <i>PLoS ONE</i> , 2013, 8, e58224.	2.5	42
42	MALDI imaging mass spectrometry of lipids by adding lithium salts to the matrix solution. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 75-87.	3.7	41
43	Regiospecific synthesis, antibacterial and anticoagulant activities of novel isoxazoline chromene derivatives. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2651-S2658.	4.9	40
44	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.	4.4	39
45	Isolation of Premyrinane, 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.	3.0	37
46	Structural Characterization of Phosphatidylcholines by Atmospheric Pressure Photoionization Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 409-417.	1.0	35
47	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.	3.3	34
48	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.	5.2	33
49	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.	6.5	33
50	Atmospheric pressure photoionization coupled to porous graphitic carbon liquid chromatography for the analysis of globotriaosylceramides. Application to Fabry disease. <i>Journal of Mass Spectrometry</i> , 2006, 41, 50-58.	1.6	30
51	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.	1.5	30
52	VUV photoionization of gas phase adenine and cytosine: A comparison between oven and aerosol vaporization. <i>Journal of Chemical Physics</i> , 2013, 138, 094203.	3.0	30
53	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.	3.7	29
54	Structural analysis of secondary ions by post-source decay in time-of-flight secondary ion mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 703-709.	1.5	28

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55	Optimized experimental workflow for tandem mass spectrometry molecular networking in metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5767-5778.	3.7	28
56	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.	3.0	28
57	Affinity Classification of Kinase Inhibitors by Mass Spectrometric Methods and Validation Using Standard IC50 Measurements. <i>Analytical Chemistry</i> , 2009, 81, 408-419.	6.5	27
58	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.	1.5	27
59	MALDI Mass Spectrometry Imaging of 1-Methyl-4-phenylpyridinium (MPP+) in Mouse Brain. <i>Neurotoxicity Research</i> , 2014, 25, 135-145.	2.7	27
60	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.	1.0	26
61	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.	2.8	26
62	Choline-containing phospholipids in microdissected human Alzheimer's disease brain senile plaque versus neuropil. <i>Bioanalysis</i> , 2012, 4, 2153-2159.	1.5	26
63	Searching for original natural products by molecular networking: detection, isolation and total synthesis of chloroaustralasines. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2171-2178.	4.5	26
64	Alternative and sustainable solvents for green analytical chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100510.	5.9	26
65	Liquid chromatography on porous graphitic carbon with atmospheric pressure photoionization mass spectrometry and tandem mass spectrometry for the analysis of glycosphingolipids. <i>Journal of Chromatography A</i> , 2006, 1117, 154-162.	3.7	25
66	Quantification of Retinoid Compounds by Supercritical Fluid Chromatography Coupled to Ultraviolet Diode Array Detection. <i>Chromatographia</i> , 2013, 76, 1097-1105.	1.3	25
67	An Integrative Approach to Decipher the Chemical Antagonism between the Competing Endophytes <i>Paraconiothyrium variabile</i> and <i>Bacillus subtilis</i> . <i>Journal of Natural Products</i> , 2017, 80, 2863-2873.	3.0	25
68	Comprehensive characterization of Annonaceous acetogenins within a complex extract by HPLC-ESI-LTQ-Orbitrap using post-column lithium infusion. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1500-1509.	1.6	24
69	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.	1.6	24
70	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.	5.2	24
71	Supercritical fluid chromatography coupled to mass spectrometry for lipidomics. <i>Journal of Mass Spectrometry</i> , 2019, 54, 791-801.	1.6	24
72	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.	3.0	24

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73	Gas-Phase Protonation Thermochemistry of Adenosine. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11716-11725.	2.6	23
74	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.	2.8	23
75	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.	2.6	22
76	Validated Method for Strigolactone Quantification by Ultra High-Performance Liquid Chromatography – Electro spray Ionisation Tandem Mass Spectrometry Using Novel Deuterium Labelled Standards. <i>Phytochemical Analysis</i> , 2018, 29, 59-68.	2.4	22
77	Animal urine as painting materials in African rock art revealed by cluster ToF-SIMS mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2010, 45, 944-950.	1.6	21
78	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.	2.5	21
79	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.	1.6	21
80	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.	6.5	21
81	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.	3.7	21
82	The patinas of the Dogon – Tellem statuaries: A new vision through physico-chemical analyses. <i>Journal of Cultural Heritage</i> , 2008, 9, 347-353.	3.3	20
83	Synthesis and antimicrobial activity of novel coumarin derivatives from 4-methylumbelliferone. <i>Medicinal Chemistry Research</i> , 2015, 24, 3247-3257.	2.4	20
84	Biomedical studies by TOF-SIMS imaging. <i>Biointerphases</i> , 2015, 10, 018901.	1.6	20
85	What more can TOF-SIMS bring than other MS imaging methods?. <i>Bioanalysis</i> , 2016, 8, 367-369.	1.5	20
86	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.	4.1	20
87	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.	3.3	20
88	Kidney Lipidomics by Mass Spectrometry Imaging: A Focus on the Glomerulus. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1623.	4.1	19
89	Study of experimental variability in TOF-SIMS mass spectrometry imaging of biological samples. <i>International Journal of Mass Spectrometry</i> , 2013, 337, 43-49.	1.5	18
90	Structurally Diverse Diterpenoids from <i>Sandwithia guyanensis</i> . <i>Journal of Natural Products</i> , 2018, 81, 901-912.	3.0	18

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91	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.	2.3	17
92	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.	5.5	17
93	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.	6.5	17
94	Identification of Antimicrobial Compounds from <i>Sandwithia guyanensis</i> -Associated Endophyte Using Molecular Network Approach. <i>Plants</i> , 2020, 9, 47.	3.5	17
95	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.	3.7	16
96	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.	4.9	16
97	Low doses of arginine butyrate derivatives improve dystrophic phenotype and restore membrane integrity in DMD models. <i>FASEB Journal</i> , 2014, 28, 2603-2619.	0.5	15
98	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.	2.4	15
99	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.	2.3	15
100	Shotgun lipidomics and mass spectrometry imaging unveil diversity and dynamics in <i>Gammarus fossarum</i> lipid composition. <i>iScience</i> , 2021, 24, 102115.	4.1	15
101	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.	2.9	15
102	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.	3.7	14
103	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.	4.9	14
104	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.	2.8	13
105	Identification and dereplication of endophytic <i>Colletotrichum</i> strains by MALDI TOF mass spectrometry and molecular networking. <i>Scientific Reports</i> , 2020, 10, 19788.	3.3	13
106	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.	2.8	12
107	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.	4.1	12
108	Isolation of Picrotoxanes from <i>Austrobuxus carunculatus</i> Using Taxonomy-Based Molecular Networking. <i>Journal of Natural Products</i> , 2020, 83, 3069-3079.	3.0	12

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109	Annonaceous acetogenins as environmental neurotoxins: Human exposure from edible Annona fruits. <i>Planta Medica</i> , 2012, 78, .	1.3	12
110	Compatibility between TOF-SIMS lipid imaging and histological staining on a rat brain section. <i>Surface and Interface Analysis</i> , 2013, 45, 260-263.	1.8	11
111	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.	1.6	10
112	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.	6.5	10
113	Untargeted metabolomics approach to discriminate mistletoe commercial products. <i>Scientific Reports</i> , 2021, 11, 14205.	3.3	10
114	Quantification of the environmental neurotoxin annonacin in Rat brain by UPLC-MS/MS. <i>Toxicon</i> , 2016, 118, 129-133.	1.6	8
115	Time-of-flight secondary ion mass spectrometer: a novel tool for lipid imaging. <i>Clinical Lipidology</i> , 2011, 6, 437-445.	0.4	7
116	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.	5.2	6
117	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4192-4196.	4.6	6
118	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.	3.7	6
119	Identification of Antagonistic Compounds between the Palm Tree Xylariale Endophytic Fungi and the Phytopathogen <i>Fusarium oxysporum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10893-10906.	5.2	6
120	MALDI Mass Spectrometry Imaging of Lipids and Primary Metabolites on Rat Brain Sections. <i>Methods in Molecular Biology</i> , 2015, 1203, 41-48.	0.9	6
121	Antiparasitic Ovalicin Derivatives from <i>Pseudallescheria boydii</i> , a Mutualistic Fungus of French Guiana Termites. <i>Molecules</i> , 2022, 27, 1182.	3.8	6
122	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.	0.6	5
123	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.	3.7	5
124	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.	1.0	5
125	Synthesis, Structures, and Solution Studies of a New Class of [Mo ²⁺ O ₂ S ₂]-Based Thiosemicarbazone Coordination Complexes. <i>ACS Omega</i> , 0, , .	3.5	5
126	Atmospheric pressure photoionization mass spectrometry of guanine using tunable synchrotron VUV radiation. <i>International Journal of Mass Spectrometry</i> , 2012, 321-322, 14-18.	1.5	4

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127	A regioselective 1,3-dipolar cycloaddition for the synthesis of novel spiro-chromene thiadiazole derivatives. <i>Comptes Rendus Chimie</i> , 2014, 17, 171-178.	0.5	4
128	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.	2.9	4
129	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.	2.8	4
130	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.	2.8	4
131	TOF-SIMS Imaging of Lipids on Rat Brain Sections. <i>Methods in Molecular Biology</i> , 2015, 1203, 21-27.	0.9	4
132	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.	0.5	4
133	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.	2.8	4
134	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.	3.6	4
135	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.	2.4	3
136	Oligonucleotide Analogues with Integrated Bases and Backbone (ONIB). Part 31. <i>Helvetica Chimica Acta</i> , 2014, 97, 1037-1054.	1.6	3
137	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.	1.5	3
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