List of Publications by Year in descending order

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	31976	49909
9,727	53	87
citations	h-index	g-index
222	222	0.470
222	222	84/0
docs citations	times ranked	citing authors
	9,727 citations 222 docs citations	9,72753citationsh-index222222docs citations1222times ranked

#	Article	IF	CITATIONS
1	Ambient Sampling/Ionization Mass Spectrometry: Applications and Current Trends. Analytical Chemistry, 2011, 83, 4508-4538.	6.5	480
2	Mass Spectrometry: Recent Advances in Direct Open Air Surface Sampling/Ionization. Chemical Reviews, 2013, 113, 2269-2308.	47.7	434
3	Counterfeit anti-infective drugs. Lancet Infectious Diseases, The, 2006, 6, 602-613.	9.1	294
4	Triboelectric nanogenerators for sensitive nano-coulomb molecular mass spectrometry. Nature Nanotechnology, 2017, 12, 481-487.	31.5	254
5	Esterâ€Mediated Amide Bond Formation Driven by Wet–Dry Cycles: A Possible Path to Polypeptides on the Prebiotic Earth. Angewandte Chemie - International Edition, 2015, 54, 9871-9875.	13.8	246
6	Recent developments in ambient ionization techniques for analytical mass spectrometry. Analyst, The, 2008, 133, 1297.	3.5	205
7	Desorption electrospray ionization mass spectrometry reveals surface-mediated antifungal chemical defense of a tropical seaweed. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7314-7319.	7.1	200
8	Characterization of Solid Counterfeit Drug Samples by Desorption Electrospray Ionization and Direct-analysis-in-real-time Coupled to Time-of-flight Mass Spectrometry. ChemMedChem, 2006, 1, 702-705.	3.2	199
9	Impact of poor-quality medicines in the â€~developing' world. Trends in Pharmacological Sciences, 2010, 31, 99-101.	8.7	192
10	A Collaborative Epidemiological Investigation into the Criminal Fake Artesunate Trade in South East Asia. PLoS Medicine, 2008, 5, e32.	8.4	184
11	Guidelines for Field Surveys of the Quality of Medicines: A Proposal. PLoS Medicine, 2009, 6, e1000052.	8.4	152
12	Reactive Desorption Electrospray Ionization Linear Ion Trap Mass Spectrometry of Latest-Generation Counterfeit Antimalarials via Noncovalent Complex Formation. Analytical Chemistry, 2007, 79, 2150-2157.	6.5	143
13	Manslaughter by Fake Artesunate in Asia—Will Africa Be Next?. PLoS Medicine, 2006, 3, e197.	8.4	141
14	Simultaneous Time-Dependent Surface-Enhanced Raman Spectroscopy, Metabolomics, and Proteomics Reveal Cancer Cell Death Mechanisms Associated with Gold Nanorod Photothermal Therapy. Journal of the American Chemical Society, 2016, 138, 15434-15442.	13.7	128
15	COVID-19 and risks to the supply and quality of tests, drugs, and vaccines. The Lancet Global Health, 2020, 8, e754-e755.	6.3	128
16	Optimization of a direct analysis in real time/time-of-flight mass spectrometry method for rapid serum metabolomic fingerprinting. Journal of the American Society for Mass Spectrometry, 2010, 21, 68-75.	2.8	121
17	Ambient generation of fatty acid methyl ester ions from bacterial whole cells by direct analysis in real time (DART) mass spectrometry. Chemical Communications, 2007, , 807-809.	4.1	116
18	Metabolomics and proteomics reveal impacts of chemically mediated competition on marine plankton. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9009-9014.	7.1	112

#	Article	IF	CITATIONS
19	Poor quality vital anti-malarials in Africa - an urgent neglected public health priority. Malaria Journal, 2011, 10, 352.	2.3	111
20	Small Molecule Ambient Mass Spectrometry Imaging by Infrared Laser Ablation Metastable-Induced Chemical Ionization. Analytical Chemistry, 2010, 82, 2178-2181.	6.5	101
21	Ovarian cancer detection from metabolomic liquid chromatography/mass spectrometry data by support vector machines. BMC Bioinformatics, 2009, 10, 259.	2.6	96
22	Simulations and Experimental Investigation of Atmospheric Transport in an Ambient Metastable-Induced Chemical Ionization Source. Analytical Chemistry, 2009, 81, 322-329.	6.5	96
23	Ester Formation and Hydrolysis during Wet–Dry Cycles: Generation of Far-from-Equilibrium Polymers in a Model Prebiotic Reaction. Macromolecules, 2014, 47, 1334-1343.	4.8	94
24	Combined Fourier-transform infrared imaging and desorption electrospray-ionization linear ion-trap mass spectrometry for analysis of counterfeit antimalarial tablets. Analytical and Bioanalytical Chemistry, 2007, 387, 551-559.	3.7	91
25	Combining Two-Dimensional Diffusion-Ordered Nuclear Magnetic Resonance Spectroscopy, Imaging Desorption Electrospray Ionization Mass Spectrometry, and Direct Analysis in Real-Time Mass Spectrometry for the Integral Investigation of Counterfeit Pharmaceuticals. Analytical Chemistry, 2009 81 4803-4812	6.5	89
26	Fast detection and identification of counterfeit antimalarial tablets by Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 181-187.	2.5	86
27	Collision cross section calibrants for negative ion mode traveling wave ion mobility-mass spectrometry. Analyst, The, 2015, 140, 6853-6861.	3.5	86
28	Assessment of hand-held Raman instrumentation for in situ screening for potentially counterfeit artesunate antimalarial tablets by FT-Raman spectroscopy and direct ionization mass spectrometry. Analytica Chimica Acta, 2008, 623, 178-186.	5.4	83
29	A Plausible Simultaneous Synthesis of Amino Acids and Simple Peptides on the Primordial Earth. Angewandte Chemie - International Edition, 2014, 53, 8132-8136.	13.8	82
30	Nucleoside phosphorylation by the mineral schreibersite. Scientific Reports, 2015, 5, 17198.	3.3	82
31	Mind the gaps - the epidemiology of poor-quality anti-malarials in the malarious world - analysis of the WorldWide Antimalarial Resistance Network database. Malaria Journal, 2014, 13, 139.	2.3	81
32	Direct high-resolution peptide and protein analysis by desorption electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3409-3411.	1.5	80
33	Detecting counterfeit antimalarial tablets by near-infrared spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 1011-1014.	2.8	74
34	Rapid Mass Spectrometric Metabolic Profiling of Blood Sera Detects Ovarian Cancer with High Accuracy. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 2262-2271.	2.5	74
35	Prevalence and Detection of Counterfeit Pharmaceuticals:  A Mini Review. Industrial & Engineering Chemistry Research, 2008, 47, 585-590.	3.7	73
36	Transmission-mode direct analysis in real time and desorption electrospray ionization mass spectrometry of insecticide-treated bednets for malaria control. Analyst, The, 2010, 135, 712.	3.5	70

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37	CHARACTERIZATION OF COUNTERFEIT ARTESUNATE ANTIMALARIAL TABLETS FROM SOUTHEAST ASIA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 804-811.	1.4	70
38	Direct quantitation of active ingredients in solid artesunate antimalarials by noncovalent complex forming reactive desorption electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 380-388.	2.8	69
39	Poor quality drugs: grand challenges in high throughput detection, countrywide sampling, and forensics in developing countries. Analyst, The, 2011, 136, 3073-3082.	3.5	69
40	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. Analytical Chemistry, 2019, 91, 14407-14416.	6.5	66
41	Highly-accurate metabolomic detection of early-stage ovarian cancer. Scientific Reports, 2015, 5, 16351.	3.3	65
42	Microplasma Discharge Ionization Source for Ambient Mass Spectrometry. Analytical Chemistry, 2010, 82, 621-627.	6.5	64
43	Reactive desorption electrospray ionization mass spectrometry (DESI-MS) of natural products of a marine alga. Analytical and Bioanalytical Chemistry, 2009, 394, 245-254.	3.7	61
44	Prebiotic Phosphate Ester Syntheses in a Deep Eutectic Solvent. Journal of Molecular Evolution, 2014, 78, 109-117.	1.8	61
45	Direct Analysis in Real Time Coupled to Multiplexed Drift Tube Ion Mobility Spectrometry for Detecting Toxic Chemicals. Analytical Chemistry, 2011, 83, 1908-1915.	6.5	60
46	Seaweed Allelopathy Against Coral: Surface Distribution of a Seaweed Secondary Metabolite by Imaging Mass Spectrometry. Journal of Chemical Ecology, 2012, 38, 1203-1214.	1.8	60
47	Field detection devices for screening the quality of medicines: a systematic review. BMJ Global Health, 2018, 3, e000725.	4.7	60
48	Desorption Electrospray/Metastable-Induced Ionization: A Flexible Multimode Ambient Ion Generation Technique. Analytical Chemistry, 2009, 81, 7788-7794.	6.5	59
49	Feasibility of Detecting Prostate Cancer by Ultraperformance Liquid Chromatography–Mass Spectrometry Serum Metabolomics. Journal of Proteome Research, 2014, 13, 3444-3454.	3.7	59
50	Ambient mass spectrometry in metabolomics. Analyst, The, 2017, 142, 3101-3117.	3.5	59
51	A stratified random survey of the proportion of poor quality oral artesunate sold at medicine outlets in the Lao PDR – implications for therapeutic failure and drug resistance. Malaria Journal, 2009, 8, 172.	2.3	57
52	Three-Dimensional Mass Spectrometry Imaging Identifies Lipid Markers of Medulloblastoma Metastasis. Scientific Reports, 2019, 9, 2205.	3.3	57
53	Use of refractometry and colorimetry as field methods to rapidly assess antimalarial drug quality. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 105-110.	2.8	56
54	OmniSpect: An Open MATLAB-Based Tool for Visualization and Analysis of Matrix-Assisted Laser Desorption/Ionization and Desorption Electrospray Ionization Mass Spectrometry Images. Journal of the American Society for Mass Spectrometry, 2013, 24, 646-649.	2.8	56

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55	Challenges in Identifying the Dark Molecules of Life. Annual Review of Analytical Chemistry, 2019, 12, 177-199.	5.4	55
56	Comparison of the internal energy deposition of direct analysis in real time and electrospray ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 855-863.	2.8	54
57	Biochemical, Molecular, and Functional Characterization of PISCF-Allatostatin, a Regulator of Juvenile Hormone Biosynthesis in the Mosquito Aedes aegypti*. Journal of Biological Chemistry, 2006, 281, 34048-34055.	3.4	51
58	Surveying the sequence diversity of model prebiotic peptides by mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7652-E7659.	7.1	51
59	Seaweeds in the assessment of heavy metal pollution in the Gulf San Jorge, Argentina. Environmental Pollution, 1999, 104, 315-322.	7.5	48
60	Falsified medicines in Africa: all talk, no action. The Lancet Global Health, 2014, 2, e509-e510.	6.3	48
61	Responding to the Pandemic of Falsified Medicines. American Journal of Tropical Medicine and Hygiene, 2015, 92, 113-118.	1.4	48
62	Hadamard Transform Time-of-Flight Mass Spectrometry:Â A High-Speed Detector for Capillary-Format Separations. Analytical Chemistry, 2002, 74, 1611-1617.	6.5	47
63	Strain and phase identification of the U.S. category B agent Coxiella burnetii by matrix assisted laser desorption/ionization time-of-flight mass spectrometry and multivariate pattern recognition. Analytica Chimica Acta, 2007, 583, 23-31.	5.4	47
64	Biomarkers of Whale Shark Health: A Metabolomic Approach. PLoS ONE, 2012, 7, e49379.	2.5	47
65	Contrast-Enhanced Differential Mobility-Desorption Electrospray Ionization-Mass Spectrometry Imaging of Biological Tissues. Analytical Chemistry, 2014, 86, 3756-3763.	6.5	47
66	Hadamard Transform Time-of-Flight Mass Spectrometry: More Signal, More of the Time. Angewandte Chemie - International Edition, 2003, 42, 30-35.	13.8	46
67	Continuous Two-Channel Time-of-Flight Mass Spectrometric Detection of Electrosprayed Ions. Angewandte Chemie - International Edition, 2004, 43, 6541-6544.	13.8	44
68	Rapid fingerprinting of sterols and related compounds in vegetable and animal oils and phytosterol enriched- margarines by transmission mode direct analysis in real time mass spectrometry. Food Chemistry, 2016, 211, 661-668.	8.2	44
69	Discovery of Lipidome Alterations Following Traumatic Brain Injury via High-Resolution Metabolomics. Journal of Proteome Research, 2018, 17, 2131-2143.	3.7	44
70	Transmission mode direct analysis in real time mass spectrometry for fast untargeted metabolic fingerprinting. Rapid Communications in Mass Spectrometry, 2013, 27, 1311-1318.	1.5	43
71	Enhanced Direct Ambient Analysis by Differential Mobility-Filtered Desorption Electrospray Ionization-Mass Spectrometry. Analytical Chemistry, 2010, 82, 9159-9163.	6.5	42
72	Collision cross section predictions using 2-dimensional molecular descriptors. Chemical Communications, 2017, 53, 7624-7627.	4.1	42

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73	Karenia brevis allelopathy compromises the lipidome, membrane integrity, and photosynthesis of competitors. Scientific Reports, 2018, 8, 9572.	3.3	42
74	Sensitivity "Hot Spots―in the Direct Analysis in Real Time Mass Spectrometry of Nerve Agent Simulants. Journal of the American Society for Mass Spectrometry, 2012, 23, 153-161.	2.8	41
75	Desorption electrospray ionization reactions between host crown ethers and the influenza neuraminidase inhibitor oseltamivir for the rapid screening of Tamiflu®. Analyst, The, 2008, 133, 1513.	3.5	40
76	Detection ofStaphylococcus aureusUsing15N-Labeled Bacteriophage Amplification Coupled with Matrix-Assisted Laser Desorption/Ionization-Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2011, 83, 2286-2293.	6.5	40
77	Sub-nanoliter metabolomics via mass spectrometry to characterize volume-limited samples. Nature Communications, 2020, 11, 5625.	12.8	39
78	Impaired Clinical Response in a Patient with Uncomplicated Falciparum Malaria Who Received Poor-Quality and Underdosed Intramuscular Artemether. American Journal of Tropical Medicine and Hygiene, 2008, 78, 552-555.	1.4	39
79	Fully Automatic On-line Separation Preconcentration System for Electrothermal Atomic Absorption Spectrometry: Determination of Cadmium and Lead in Sea-water. Analyst, The, 1997, 122, 679-684.	3.5	37
80	Performance, Resolving Power, and Radial Ion Distributions of a Prototype Nanoelectrospray Ionization Resistive Glass Atmospheric Pressure Ion Mobility Spectrometer. Analytical Chemistry, 2007, 79, 7782-7791.	6.5	37
81	Rapid direct analysis in real time (DART) mass spectrometric detection of juvenile hormone III and its terpene precursors. Analytical and Bioanalytical Chemistry, 2010, 398, 3005-3013.	3.7	37
82	A Repeat Random Survey of the Prevalence of Falsified and Substandard Antimalarials in the Lao PDR: A Change for the Better. American Journal of Tropical Medicine and Hygiene, 2015, 92, 95-104.	1.4	35
83	Quality of Artemisinin-Based Combination Formulations for Malaria Treatment: Prevalence and Risk Factors for Poor Quality Medicines in Public Facilities and Private Sector Drug Outlets in Enugu, Nigeria. PLoS ONE, 2015, 10, e0125577.	2.5	34
84	Quantitation of αâ€hydroxy acids in complex prebiotic mixtures via liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 2043-2051.	1.5	34
85	Uncovering PFAS and Other Xenobiotics in the Dark Metabolome Using Ion Mobility Spectrometry, Mass Defect Analysis, and Machine Learning. Environmental Science & Technology, 2022, 56, 9133-9143.	10.0	34
86	Antimalarial drug quality: methods to detect suspect drugs. Therapy: Open Access in Clinical Medicine, 2010, 7, 49-57.	0.2	33
87	Desorption atmospheric pressure photoionization and direct analysis in real time coupled with travelling wave ion mobility mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 2325-2336.	1.5	33
88	Quality of Antimalarials at the Epicenter of Antimalarial Drug Resistance: Results from an Overt and Mystery Client Survey in Cambodia. American Journal of Tropical Medicine and Hygiene, 2015, 92, 39-50.	1.4	33
89	Effect of sequence length, sequence frequency, and data acquisition rate on the performance of a Hadamard transform time-of-flight mass spectrometer. Journal of the American Society for Mass Spectrometry, 2001, 12, 1302-1311.	2.8	31
90	Nanoelectrospray ion generation for high-throughput mass spectrometry using a micromachined ultrasonic ejector array. Applied Physics Letters, 2005, 86, 203110.	3.3	31

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91	Coupling laser ablation/desorption electrospray ionization to atmospheric pressure drift tube ion mobility spectrometry for the screening of antimalarial drug quality. Analyst, The, 2012, 137, 3039.	3.5	31
92	Feasibility of Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics: A Pilot Study. Journal of Proteome Research, 2017, 16, 550-558.	3.7	31
93	Impaired clinical response in a patient with uncomplicated falciparum malaria who received poor-quality and underdosed intramuscular artemether. American Journal of Tropical Medicine and Hygiene, 2008, 78, 552-5.	1.4	31
94	Atmospheric Pressure Drift Tube Ion Mobility–Orbitrap Mass Spectrometry: Initial Performance Characterization. Analytical Chemistry, 2017, 89, 11301-11309.	6.5	30
95	Preoperative Metabolic Signatures of Prostate Cancer Recurrence Following Radical Prostatectomy. Journal of Proteome Research, 2019, 18, 1316-1327.	3.7	30
96	Characterization of "Yaa Chud―Medicine on the Thailand–Myanmar Border: Selecting for Drug-resistant Malaria and Threatening Public Health. American Journal of Tropical Medicine and Hygiene, 2008, 79, 662-669.	1.4	30
97	Characterization of counterfeit artesunate antimalarial tablets from southeast Asia. American Journal of Tropical Medicine and Hygiene, 2006, 75, 804-11.	1.4	30
98	Fast Hadamard Transform Capillary Electrophoresis for On-Line, Time-Resolved Chemical Monitoring. Analytical Chemistry, 2006, 78, 1628-1635.	6.5	29
99	Targeting progesterone signaling prevents metastatic ovarian cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31993-32004.	7.1	29
100	Peptidyl α-Ketoamides with Nucleobases, Methylpiperazine, and Dimethylaminoalkyl Substituents as Calpain Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 6326-6336.	6.4	28
101	Ambient mass spectrometry technologies for the detection of falsified drugs. MedChemComm, 2014, 5, 9-19.	3.4	28
102	Amino acids generated from hydrated Titan tholins: Comparison with Miller–Urey electric discharge products. Icarus, 2014, 237, 182-189.	2.5	28
103	Whole Reproductive System Non-Negative Matrix Factorization Mass Spectrometry Imaging of an Early-Stage Ovarian Cancer Mouse Model. PLoS ONE, 2016, 11, e0154837.	2.5	28
104	Kinetics of prebiotic depsipeptide formation from the ester–amide exchange reaction. Physical Chemistry Chemical Physics, 2016, 18, 28441-28450.	2.8	28
105	Correlated Materials Characterization <i>via</i> Multimodal Chemical and Functional Imaging. ACS Nano, 2018, 12, 11798-11818.	14.6	28
106	Mass spectrometry-based non-targeted metabolic profiling for disease detection: Recent developments. TrAC - Trends in Analytical Chemistry, 2019, 118, 158-169.	11.4	28
107	Novel application and comparison of multivariate calibration for the simultaneous determination of Cu, Zn and Mn at trace levels using flow injection diode array spectrophotometry. Analytica Chimica Acta, 1999, 398, 93-102.	5.4	27
108	Digitally-Multiplexed Nanoelectrospray Ionization Atmospheric Pressure Drift Tube Ion Mobility Spectrometry. Analytical Chemistry, 2009, 81, 1587-1594.	6.5	27

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109	Elongation of Model Prebiotic Proto-Peptides by Continuous Monomer Feeding. Macromolecules, 2017, 50, 9286-9294.	4.8	27
110	In vivoÂmodeling of metastatic human high-grade serous ovarian cancer in mice. PLoS Genetics, 2020, 16, e1008808.	3.5	27
111	Serum biomarker profiling by solidâ€phase extraction with particleâ€embedded micro tips and matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 997-1008.	1.5	26
112	Quality of Artemisinin-based Combination Therapy for malaria found in Ghanaian markets and public health implications of their use. BMC Pharmacology & amp; Toxicology, 2016, 17, 48.	2.4	26
113	Theoretical and experimental study of the achievable separation power in resistiveâ€glass atmospheric pressure ion mobility spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1911-1918.	1.5	25
114	Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration. Analytica Chimica Acta, 2001, 433, 119-133.	5.4	24
115	A link between lead and cadmium kinetic speciation in seawater and accumulation by the green alga Ulva lactuca. Environmental Pollution, 2006, 141, 126-130.	7.5	24
116	Thioesters provide a plausible prebiotic path to proto-peptides. Nature Communications, 2022, 13, 2569.	12.8	24
117	Analytical Performance of a Venturi-Assisted Array of Micromachined Ultrasonic Electrosprays Coupled to Ion Trap Mass Spectrometry for the Analysis of Peptides and Proteins. Analytical Chemistry, 2007, 79, 8154-8161.	6.5	23
118	Prebiotic Origin of Preâ€RNA Building Blocks in a Urea "Warm Little Pond―Scenario. ChemBioChem, 2020, 21, 3504-3510.	2.6	23
119	Rapid resolution of carbohydrate isomers <i>via</i> multi-site derivatization ion mobility-mass spectrometry. Analyst, The, 2018, 143, 949-955.	3.5	22
120	Flow Injection–Traveling-Wave Ion Mobility–Mass Spectrometry for Prostate-Cancer Metabolomics. Analytical Chemistry, 2018, 90, 13767-13774.	6.5	22
121	Machine Learning-Enabled Renal Cell Carcinoma Status Prediction Using Multiplatform Urine-Based Metabolomics. Journal of Proteome Research, 2021, 20, 3629-3641.	3.7	22
122	Protein identification via surface-induced dissociation in an FT-ICR mass spectrometer and a patchwork sequencing approach. Journal of the American Society for Mass Spectrometry, 2006, 17, 700-709.	2.8	21
123	Ion mobility and liquid chromatography/mass spectrometry strategies for exhaled breath condensate glucose quantitation in cystic fibrosis studies. Rapid Communications in Mass Spectrometry, 2013, 27, 2263-2271.	1.5	21
124	Metabolomic Serum Profiling Detects Early-Stage High-Grade Serous Ovarian Cancer in a Mouse Model. Journal of Proteome Research, 2015, 14, 917-927.	3.7	21
125	Visualizing molecular distributions for biomaterials applications with mass spectrometry imaging: a review. Journal of Materials Chemistry B, 2017, 5, 7444-7460.	5.8	21
126	Robotic Surface Analysis Mass Spectrometry (RoSA-MS) of Three-Dimensional Objects. Analytical Chemistry, 2018, 90, 3981-3986.	6.5	21

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127	Carbohydrate isomer resolution <i>via</i> multi-site derivatization cyclic ion mobility-mass spectrometry. Analyst, The, 2019, 144, 7220-7226.	3.5	21
128	Effects of modulation defects on hadamard transform time-of-flight mass spectrometry (HT-TOFMS). Journal of the American Society for Mass Spectrometry, 2003, 14, 278-286.	2.8	20
129	Submicrosecond Surface-Induced Dissociation of Peptide Ions in a MALDI TOF MS. Analytical Chemistry, 2004, 76, 5080-5091.	6.5	20
130	Viable Staphylococcus aureus Quantitation using 15N Metabolically Labeled Bacteriophage Amplification Coupled with a Multiple Reaction Monitoring Proteomic Workflow. Molecular and Cellular Proteomics, 2012, 11, M111.012849.	3.8	20
131	Collaborative Health and Enforcement Operations on the Quality of Antimalarials and Antibiotics in Southeast Asia. American Journal of Tropical Medicine and Hygiene, 2015, 92, 105-112.	1.4	20
132	Fingerprinting of falsified artemisinin combination therapies via direct analysis in real time coupled to a compact single quadrupole mass spectrometer. Analytical Methods, 2016, 8, 6616-6624.	2.7	20
133	Desorption Electrospray Ionization Imaging Mass Spectrometry as a Tool for Investigating Model Prebiotic Reactions on Mineral Surfaces Analytical Chemistry, 2013, 85, 1276-1279.	6.5	19
134	An Effective Approach for Coupling Direct Analysis in Real Time with Atmospheric Pressure Drift Tube Ion Mobility Spectrometry. Journal of the American Society for Mass Spectrometry, 2014, 25, 1538-1548.	2.8	19
135	Laser-Induced Acoustic Desorption Atmospheric Pressure Photoionization via VUV-Generating Microplasmas. Journal of the American Society for Mass Spectrometry, 2016, 27, 1805-1812.	2.8	19
136	Triboelectric nanogenerator (TENG) mass spectrometry of falsified antimalarials. Rapid Communications in Mass Spectrometry, 2018, 32, 1585-1590.	1.5	19
137	Simultaneous Spectrophotometric Determination of Calcium and Magnesium in Mineral Waters by Means of Multivariate Partial Least-squares Regression. Analyst, The, 1997, 122, 639-643.	3.5	18
138	Automatic on-line ultratrace determination of Cd species of environmental significance in natural waters by FI-ETAAS. Journal of Analytical Atomic Spectrometry, 2000, 15, 687-695.	3.0	18
139	Comparison of the internal energy deposition of venturi-assisted electrospray ionization and a venturi-assisted array of micromachined ultrasonic electrosprays (AMUSE). Journal of the American Society for Mass Spectrometry, 2008, 19, 1320-1329.	2.8	18
140	Robotic plasma probe ionization mass spectrometry (RoPPI-MS) of non-planar surfaces. Analyst, The, 2014, 139, 2658.	3.5	17
141	Space- and Time-Resolved Metabolomics of a High-Grade Serous Ovarian Cancer Mouse Model. Cancers, 2022, 14, 2262.	3.7	17
142	Electro-Thermal Vaporization Direct Analysis in Real Time-Mass Spectrometry for Water Contaminant Analysis during Space Missions. Analytical Chemistry, 2013, 85, 9898-9906.	6.5	16
143	Absolute number densities of helium metastable atoms determined by atomic absorption spectroscopy in helium plasma-based discharges used as ambient desorption/ionization sources for mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 100, 98-104.	2.9	16
144	Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics. Journal of Proteome Research, 2020, 19, 144-152.	3.7	16

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145	Metabolite collision cross section prediction without energy-minimized structures. Analyst, The, 2020, 145, 5414-5418.	3.5	16
146	Peptide sequencing using a patchwork approach and surface-induced dissociation in sector-TOF and dual quadrupole mass spectrometers. Journal of the American Society for Mass Spectrometry, 2003, 14, 1387-1401.	2.8	15
147	Schlieren visualization of fluid dynamics effects in direct analysis in real time mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 431-439.	1.5	15
148	Metabolomics and cytokine profiling of mesenchymal stromal cells identify markers predictive of T-cell suppression. Cytotherapy, 2022, 24, 137-148.	0.7	15
149	Highâ€sensitivity detection of biological amines using fast Hadamard transform CE coupled with photolytic optical gating. Electrophoresis, 2007, 28, 3115-3121.	2.4	14
150	Onâ€chip solidâ€phase extraction preâ€concentration/focusing substrates coupled to atmospheric pressure matrixâ€assisted laser desorption/ionization ion trap mass spectrometry for high sensitivity biomolecule analysis. Rapid Communications in Mass Spectrometry, 2009, 23, 477-486.	1.5	14
151	Medications for Sexual Health Available from Non-Medical Sources: A Need for Increased Access to Healthcare and Education Among Immigrant Latinos in the Rural Southeastern USA. Journal of Immigrant and Minority Health, 2011, 13, 1183-1186.	1.6	14
152	Triboelectric Nanogenerator Ion Mobility–Mass Spectrometry for In-Depth Lipid Annotation. Analytical Chemistry, 2021, 93, 5468-5475.	6.5	14
153	Imaging of Biological Tissues by Desorption Electrospray Ionization Mass Spectrometry. Journal of Visualized Experiments, 2013, , e50575.	0.3	13
154	Comparison of Ambient and Atmospheric Pressure Ion Sources for Cystic Fibrosis Exhaled Breath Condensate Ion Mobility-Mass Spectrometry Metabolomics. Journal of the American Society for Mass Spectrometry, 2017, 28, 1489-1496.	2.8	13
155	Prevalence of substandard and falsified artemisinin-based combination antimalarial medicines on Bioko Island, Equatorial Guinea. BMJ Global Health, 2017, 2, e000409.	4.7	13
156	A Co-registration Pipeline for Multimodal MALDI and Confocal Imaging Analysis of Stem Cell Colonies. Journal of the American Society for Mass Spectrometry, 2020, 31, 986-989.	2.8	13
157	Synthesis of novel chelating resins containing dithiophosphoric functionality and comparison to analogous solvent impregnated resins. Separation Science and Technology, 2002, 37, 823-846.	2.5	12
158	Beta electron-assisted direct chemical ionization (BADCI) probe for ambient mass spectrometry. Chemical Communications, 2009, , 4699.	4.1	12
159	Deep Metabolomics of a High-Grade Serous Ovarian Cancer Triple-Knockout Mouse Model. Journal of Proteome Research, 2019, 18, 3184-3194.	3.7	12
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