

Facundo Fernandez

List of Publications by Year in descending order

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206
papers

9,727
citations

31902

53
h-index

49773

87
g-index

222
all docs

222
docs citations

222
times ranked

8470
citing authors

#	ARTICLE	IF	CITATIONS
1	A 30-Year-Old Male Chinese Trader With Fever in Laos. , 2022, , 108-110.		0
2	Metabolomics and cytokine profiling of mesenchymal stromal cells identify markers predictive of T-cell suppression. <i>Cytotherapy</i> , 2022, 24, 137-148.	0.3	15
3	Lipidome Alterations following Mild Traumatic Brain Injury in the Rat. <i>Metabolites</i> , 2022, 12, 150.	1.3	7
4	Machine Learning Approaches to Identify Discriminative Signatures of Volatile Organic Compounds (VOCs) from Bacteria and Fungi Using SPME-DART-MS. <i>Metabolites</i> , 2022, 12, 232.	1.3	11
5	<i>In Silico</i> Collision Cross Section Calculations to Aid Metabolite Annotation. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 750-759.	1.2	11
6	Space- and Time-Resolved Metabolomics of a High-Grade Serous Ovarian Cancer Mouse Model. <i>Cancers</i> , 2022, 14, 2262.	1.7	17
7	A Shared Prebiotic Formation of Neopterins and Guanine Nucleosides from Pyrimidine Bases. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
8	Thioesters provide a plausible prebiotic path to proto-peptides. <i>Nature Communications</i> , 2022, 13, 2569.	5.8	24
9	Uncovering PFAS and Other Xenobiotics in the Dark Metabolome Using Ion Mobility Spectrometry, Mass Defect Analysis, and Machine Learning. <i>Environmental Science & Technology</i> , 2022, 56, 9133-9143.	4.6	34
10	Targeted Microchip Capillary Electrophoresis-Orbitrap Mass Spectrometry Metabolomics to Monitor Ovarian Cancer Progression. <i>Metabolites</i> , 2022, 12, 532.	1.3	3
11	Triboelectric Nanogenerator Ion Mobility–Mass Spectrometry for In-Depth Lipid Annotation. <i>Analytical Chemistry</i> , 2021, 93, 5468-5475.	3.2	14
12	Pyrolysis Vacuum-Assisted Plasma Ionization Ion Mobility–Mass Spectrometry for Insoluble Polymer Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1388-1392.	1.2	1
13	Machine Learning-Enabled Renal Cell Carcinoma Status Prediction Using Multiplatform Urine-Based Metabolomics. <i>Journal of Proteome Research</i> , 2021, 20, 3629-3641.	1.8	22
14	Comparison of High-Resolution Fourier Transform Mass Spectrometry Platforms for Putative Metabolite Annotation. <i>Analytical Chemistry</i> , 2021, 93, 12374-12382.	3.2	7
15	Separations of Carbohydrates with Noncovalent Shift Reagents by Frequency-Modulated Ion Mobility-Orbitrap Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2472-2480.	1.2	7
16	Evaluation of portable devices for medicine quality screening: Lessons learnt, recommendations for implementation, and future priorities. <i>PLoS Medicine</i> , 2021, 18, e1003747.	3.9	8
17	A comparative field evaluation of six medicine quality screening devices in Laos. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009674.	1.3	8
18	Implementation of field detection devices for antimalarial quality screening in Lao PDR—a cost-effectiveness analysis. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009539.	1.3	6

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19	Laboratory evaluation of twelve portable devices for medicine quality screening. PLoS Neglected Tropical Diseases, 2021, 15, e0009360.	1.3	10
20	Multiphase evaluation of portable medicines quality screening devices. PLoS Neglected Tropical Diseases, 2021, 15, e0009287.	1.3	3
21	Urine-Based Metabolomics and Machine Learning Reveals Metabolites Associated with Renal Cell Carcinoma Stage. Cancers, 2021, 13, 6253.	1.7	10
22	Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics. Journal of Proteome Research, 2020, 19, 144-152.	1.8	16
23	Targeting progesterone signaling prevents metastatic ovarian cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31993-32004.	3.3	29
24	Prebiotic Origin of Pre-miRNA Building Blocks in a Urea-Warm Little Pond Scenario. ChemBioChem, 2020, 21, 3504-3510.	1.3	23
25	Proline Behavior in Model Prebiotic Peptides Formed by Wet-Dry Cycling. ACS Earth and Space Chemistry, 2020, 4, 1349-1359.	1.2	6
26	Lipidome signatures of metastasis in a transgenic mouse model of sonic hedgehog medulloblastoma. Analytical and Bioanalytical Chemistry, 2020, 412, 7017-7027.	1.9	5
27	Organic acid shift reagents for the discrimination of carbohydrate isobars by ion mobility-mass spectrometry. Analyst, The, 2020, 145, 8008-8015.	1.7	1
28	Sub-nanoliter metabolomics via mass spectrometry to characterize volume-limited samples. Nature Communications, 2020, 11, 5625.	5.8	39
29	Metabolite collision cross section prediction without energy-minimized structures. Analyst, The, 2020, 145, 5414-5418.	1.7	16
30	In vivo modeling of metastatic human high-grade serous ovarian cancer in mice. PLoS Genetics, 2020, 16, e1008808.	1.5	27
31	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.	1.2	13
32	Large-Area Triboelectric Nanogenerator Mass Spectrometry: Expanded Coverage, Double-Bond Pinpointing, and Supercharging. Journal of the American Society for Mass Spectrometry, 2020, 31, 727-734.	1.2	10
33	COVID-19 and risks to the supply and quality of tests, drugs, and vaccines. The Lancet Global Health, 2020, 8, e754-e755.	2.9	128
34	Deep Metabolomics of a High-Grade Serous Ovarian Cancer Triple-Knockout Mouse Model. Journal of Proteome Research, 2019, 18, 3184-3194.	1.8	12
35	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. Analytical Chemistry, 2019, 91, 14407-14416.	3.2	66
36	Mass spectrometry-based non-targeted metabolic profiling for disease detection: Recent developments. TrAC - Trends in Analytical Chemistry, 2019, 118, 158-169.	5.8	28

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37	Compositional characterization of complex proteopeptide libraries via triboelectric nanogenerator Orbitrap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1293-1300.	0.7	8
38	Challenges in Identifying the Dark Molecules of Life. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 177-199.	2.8	55
39	Three-Dimensional Mass Spectrometry Imaging Identifies Lipid Markers of Medulloblastoma Metastasis. <i>Scientific Reports</i> , 2019, 9, 2205.	1.6	57
40	Preoperative Metabolic Signatures of Prostate Cancer Recurrence Following Radical Prostatectomy. <i>Journal of Proteome Research</i> , 2019, 18, 1316-1327.	1.8	30
41	Carbohydrate isomer resolution via multi-site derivatization cyclic ion mobility-mass spectrometry. <i>Analyst, The</i> , 2019, 144, 7220-7226.	1.7	21
42	The Oligomerization of Glucose Under Plausible Prebiotic Conditions. <i>Origins of Life and Evolution of Biospheres</i> , 2019, 49, 225-240.	0.8	4
43	Sweep Jet Collection Laser-Induced Acoustic Desorption Atmospheric Pressure Photoionization for Lipid Analysis Applications. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 647-658.	1.2	7
44	Robotic Surface Analysis Mass Spectrometry (RoSA-MS) of Three-Dimensional Objects. <i>Analytical Chemistry</i> , 2018, 90, 3981-3986.	3.2	21
45	Discovery of Lipidome Alterations Following Traumatic Brain Injury via High-Resolution Metabolomics. <i>Journal of Proteome Research</i> , 2018, 17, 2131-2143.	1.8	44
46	Aerosol Vacuum-Assisted Plasma Ionization (Aero-VaPI) Coupled to Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 635-639.	1.2	4
47	Rapid resolution of carbohydrate isomers via multi-site derivatization ion mobility-mass spectrometry. <i>Analyst, The</i> , 2018, 143, 949-955.	1.7	22
48	Correlated Materials Characterization via Multimodal Chemical and Functional Imaging. <i>ACS Nano</i> , 2018, 12, 11798-11818.	7.3	28
49	Flow Injection "Traveling-Wave Ion Mobility" Mass Spectrometry for Prostate-Cancer Metabolomics. <i>Analytical Chemistry</i> , 2018, 90, 13767-13774.	3.2	22
50	Field detection devices for screening the quality of medicines: a systematic review. <i>BMJ Global Health</i> , 2018, 3, e000725.	2.0	60
51	Triboelectric nanogenerator (TENG) mass spectrometry of falsified antimalarials. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1585-1590.	0.7	19
52	<i>Karenia brevis</i> allelopathy compromises the lipidome, membrane integrity, and photosynthesis of competitors. <i>Scientific Reports</i> , 2018, 8, 9572.	1.6	42
53	Triboelectric nanogenerators for sensitive nano-coulomb molecular mass spectrometry. <i>Nature Nanotechnology</i> , 2017, 12, 481-487.	15.6	254
54	Collision cross section predictions using 2-dimensional molecular descriptors. <i>Chemical Communications</i> , 2017, 53, 7624-7627.	2.2	42

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55	Comparison of Ambient and Atmospheric Pressure Ion Sources for Cystic Fibrosis Exhaled Breath Condensate Ion Mobility-Mass Spectrometry Metabolomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1489-1496.	1.2	13
56	Atmospheric Pressure Drift Tube Ion Mobility Orbitrap Mass Spectrometry: Initial Performance Characterization. <i>Analytical Chemistry</i> , 2017, 89, 11301-11309.	3.2	30
57	Surveying the sequence diversity of model prebiotic peptides by mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7652-E7659.	3.3	51
58	Ambient mass spectrometry in metabolomics. <i>Analyst</i> , 2017, 142, 3101-3117.	1.7	59
59	Visualizing molecular distributions for biomaterials applications with mass spectrometry imaging: a review. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7444-7460.	2.9	21
60	Ambient mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 4894-4895.	1.3	7
61	Elongation of Model Prebiotic Proto-Peptides by Continuous Monomer Feeding. <i>Macromolecules</i> , 2017, 50, 9286-9294.	2.2	27
62	Prevalence of substandard and falsified artemisinin-based combination antimalarial medicines on Bioko Island, Equatorial Guinea. <i>BMJ Global Health</i> , 2017, 2, e000409.	2.0	13
63	Feasibility of Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics: A Pilot Study. <i>Journal of Proteome Research</i> , 2017, 16, 550-558.	1.8	31
64	Whole Reproductive System Non-Negative Matrix Factorization Mass Spectrometry Imaging of an Early-Stage Ovarian Cancer Mouse Model. <i>PLoS ONE</i> , 2016, 11, e0154837.	1.1	28
65	Quantitation of α -hydroxy acids in complex prebiotic mixtures via liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2043-2051.	0.7	34
66	Laser-Induced Acoustic Desorption Atmospheric Pressure Photoionization via VUV-Generating Microplasmas. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1805-1812.	1.2	19
67	Fingerprinting of falsified artemisinin combination therapies via direct analysis in real time coupled to a compact single quadrupole mass spectrometer. <i>Analytical Methods</i> , 2016, 8, 6616-6624.	1.3	20
68	Kinetics of prebiotic depsipeptide formation from the ester amide exchange reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28441-28450.	1.3	28
69	Simultaneous Time-Dependent Surface-Enhanced Raman Spectroscopy, Metabolomics, and Proteomics Reveal Cancer Cell Death Mechanisms Associated with Gold Nanorod Photothermal Therapy. <i>Journal of the American Chemical Society</i> , 2016, 138, 15434-15442.	6.6	128
70	Quality of Artemisinin-based Combination Therapy for malaria found in Ghanaian markets and public health implications of their use. <i>BMC Pharmacology & Toxicology</i> , 2016, 17, 48.	1.0	26
71	Microplasma Ionization of Volatile Organics for Improving Air/Water Monitoring Systems On-Board the International Space Station. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1203-1210.	1.2	10
72	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. <i>Food Chemistry</i> , 2016, 211, 661-668.	4.2	44

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73	Multimodal Vacuum-Assisted Plasma Ion (VaPI) Source with Transmission Mode and Laser Ablation Sampling Capabilities. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 897-907.	1.2	4
74	DetectTLC: Automated Reaction Mixture Screening Utilizing Quantitative Mass Spectrometry Image Features. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 359-365.	1.2	5
75	Ester-Mediated Amide Bond Formation Driven by Wet-Dry Cycles: A Possible Path to Polypeptides on the Prebiotic Earth. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9871-9875.	7.2	246
76	Highly-accurate metabolomic detection of early-stage ovarian cancer. <i>Scientific Reports</i> , 2015, 5, 16351.	1.6	65
77	Nucleoside phosphorylation by the mineral schreibersite. <i>Scientific Reports</i> , 2015, 5, 17198.	1.6	82
78	Schlieren visualization of fluid dynamics effects in direct analysis in real time mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 431-439.	0.7	15
79	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. <i>PLoS ONE</i> , 2015, 10, e0125577.	1.1	34
80	Electrothermal Vaporization Sample Introduction for Spaceflight Water Quality Monitoring via Gas Chromatography-Differential Mobility Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 5981-5988.	3.2	11
81	Metabolomic Serum Profiling Detects Early-Stage High-Grade Serous Ovarian Cancer in a Mouse Model. <i>Journal of Proteome Research</i> , 2015, 14, 917-927.	1.8	21
82	Quality of Antimalarials at the Epicenter of Antimalarial Drug Resistance: Results from an Overt and Mystery Client Survey in Cambodia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 39-50.	0.6	33
83	Responding to the Pandemic of Falsified Medicines. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 113-118.	0.6	48
84	Collaborative Health and Enforcement Operations on the Quality of Antimalarials and Antibiotics in Southeast Asia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 105-112.	0.6	20
85	A Repeat Random Survey of the Prevalence of Falsified and Substandard Antimalarials in the Lao PDR: A Change for the Better. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 95-104.	0.6	35
86	Collision cross section calibrants for negative ion mode traveling wave ion mobility-mass spectrometry. <i>Analyst</i> , 2015, 140, 6853-6861.	1.7	86
87	A 30-year-old Male Trader from China with Persistent Fever. , 2015, , 168-170.		0
88	Desorption Electrospray Ionization Imaging of Small Organics on Mineral Surfaces. <i>Methods in Molecular Biology</i> , 2015, 1203, 79-89.	0.4	3
89	Desorption atmospheric pressure photoionization and direct analysis in real time coupled with travelling wave ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2325-2336.	0.7	33
90	Plasma-Spray Ionization (PLASI): A Multimodal Atmospheric Pressure Ion Source for Liquid Stream Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1788-1793.	1.2	7

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91	Prebiotic Phosphate Ester Syntheses in a Deep Eutectic Solvent. <i>Journal of Molecular Evolution</i> , 2014, 78, 109-117.	0.8	61
92	Ambient mass spectrometry technologies for the detection of falsified drugs. <i>MedChemComm</i> , 2014, 5, 9-19.	3.5	28
93	Comparison of clustering pipelines for the analysis of mass spectrometry imaging data. , 2014, 2014, 4771-4.		8
94	Microplasma Discharge Vacuum Ultraviolet Photoionization Source for Atmospheric Pressure Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1557-1564.	1.2	10
95	Robotic plasma probe ionization mass spectrometry (RoPPI-MS) of non-planar surfaces. <i>Analyst</i> , The, 2014, 139, 2658.	1.7	17
96	Ester Formation and Hydrolysis during Wet-Dry Cycles: Generation of Far-from-Equilibrium Polymers in a Model Prebiotic Reaction. <i>Macromolecules</i> , 2014, 47, 1334-1343.	2.2	94
97	Contrast-Enhanced Differential Mobility-Desorption Electrospray Ionization-Mass Spectrometry Imaging of Biological Tissues. <i>Analytical Chemistry</i> , 2014, 86, 3756-3763.	3.2	47
98	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 100, 98-104.	1.5	16
99	An Effective Approach for Coupling Direct Analysis in Real Time with Atmospheric Pressure Drift Tube Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1538-1548.	1.2	19
100	Mind the gaps - the epidemiology of poor-quality anti-malarials in the malarious world - analysis of the WorldWide Antimalarial Resistance Network database. <i>Malaria Journal</i> , 2014, 13, 139.	0.8	81
101	A Plausible Simultaneous Synthesis of Amino Acids and Simple Peptides on the Primordial Earth. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8132-8136.	7.2	82
102	Falsified medicines in Africa: all talk, no action. <i>The Lancet Global Health</i> , 2014, 2, e509-e510.	2.9	48
103	Feasibility of Detecting Prostate Cancer by Ultraperformance Liquid Chromatography-Mass Spectrometry Serum Metabolomics. <i>Journal of Proteome Research</i> , 2014, 13, 3444-3454.	1.8	59
104	Metabolomics and proteomics reveal impacts of chemically mediated competition on marine plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9009-9014.	3.3	112
105	Amino acids generated from hydrated Titan tholins: Comparison with Miller-Urey electric discharge products. <i>Icarus</i> , 2014, 237, 182-189.	1.1	28
106	Conducting Miller-Urey Experiments. <i>Journal of Visualized Experiments</i> , 2014, , e51039.	0.2	8
107	Metabolite Profiling by Direct Analysis in Real-Time Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1198, 275-289.	0.4	4
108	A Tiered Analytical Approach for Investigating Poor Quality Emergency Contraceptives. <i>PLoS ONE</i> , 2014, 9, e95353.	1.1	12

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109	Electro-Thermal Vaporization Direct Analysis in Real Time-Mass Spectrometry for Water Contaminant Analysis during Space Missions. <i>Analytical Chemistry</i> , 2013, 85, 9898-9906.	3.2	16
110	Desorption Electrospray Ionization Imaging Mass Spectrometry as a Tool for Investigating Model Prebiotic Reactions on Mineral Surfaces.. <i>Analytical Chemistry</i> , 2013, 85, 1276-1279.	3.2	19
111	Mass Spectrometry: Recent Advances in Direct Open Air Surface Sampling/Ionization. <i>Chemical Reviews</i> , 2013, 113, 2269-2308.	23.0	434
112	OmniSpect: An Open MATLAB-Based Tool for Visualization and Analysis of Matrix-Assisted Laser Desorption/Ionization and Desorption Electrospray Ionization Mass Spectrometry Images. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 646-649.	1.2	56
113	Transmission mode direct analysis in real time mass spectrometry for fast untargeted metabolic fingerprinting. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1311-1318.	0.7	43
114	Ion mobility and liquid chromatography/mass spectrometry strategies for exhaled breath condensate glucose quantitation in cystic fibrosis studies. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2263-2271.	0.7	21
115	Imaging of Biological Tissues by Desorption Electrospray Ionization Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2013, , e50575.	0.2	13
116	Viable Staphylococcus aureus Quantitation using ¹⁵ N Metabolically Labeled Bacteriophage Amplification Coupled with a Multiple Reaction Monitoring Proteomic Workflow. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.012849.	2.5	20
117	Seaweed Allelopathy Against Coral: Surface Distribution of a Seaweed Secondary Metabolite by Imaging Mass Spectrometry. <i>Journal of Chemical Ecology</i> , 2012, 38, 1203-1214.	0.9	60
118	Coupling laser ablation/desorption electrospray ionization to atmospheric pressure drift tube ion mobility spectrometry for the screening of antimalarial drug quality. <i>Analyst, The</i> , 2012, 137, 3039.	1.7	31
119	High throughput quantitation of artesunate and its degradation products by flow injection gradient ratio standard addition mass spectrometry (FI-GRSA-MS). <i>Analytical Methods</i> , 2012, 4, 3392.	1.3	5
120	Biomarkers of Whale Shark Health: A Metabolomic Approach. <i>PLoS ONE</i> , 2012, 7, e49379.	1.1	47
121	Thermodynamic activation and structural analysis of trypsin I from Monterey sardine (<i>Sardinops</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 4.2 7		
122	Sensitivity "Hot Spots" in the Direct Analysis in Real Time Mass Spectrometry of Nerve Agent Simulants. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 153-161.	1.2	41
123	Direct Analysis in Real Time Coupled to Multiplexed Drift Tube Ion Mobility Spectrometry for Detecting Toxic Chemicals. <i>Analytical Chemistry</i> , 2011, 83, 1908-1915.	3.2	60
124	Ambient Sampling/Ionization Mass Spectrometry: Applications and Current Trends. <i>Analytical Chemistry</i> , 2011, 83, 4508-4538.	3.2	480
125	Poor quality drugs: grand challenges in high throughput detection, countrywide sampling, and forensics in developing countries. <i>Analyst, The</i> , 2011, 136, 3073-3082.	1.7	69
126	Detection of Staphylococcus aureus Using ¹⁵ N-Labeled Bacteriophage Amplification Coupled with Matrix-Assisted Laser Desorption/Ionization-Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2286-2293.	3.2	40

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127	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. <i>Journal of Immigrant and Minority Health</i> , 2011, 13, 1183-1186.	0.8	14
128	Poor quality vital anti-malarials in Africa - an urgent neglected public health priority. <i>Malaria Journal</i> , 2011, 10, 352.	0.8	111
129	Rapid direct analysis in real time (DART) mass spectrometric detection of juvenile hormone III and its terpene precursors. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3005-3013.	1.9	37
130	Inline pneumatically assisted atmospheric pressure matrix-assisted laser desorption/ionization ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 635-642.	0.7	6
131	Optimization of a direct analysis in real time/time-of-flight mass spectrometry method for rapid serum metabolomic fingerprinting. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 68-75.	1.2	121
132	Comparison of the internal energy deposition of direct analysis in real time and electrospray ionization time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 855-863.	1.2	54
133	Theoretical and experimental study of the achievable separation power in resistive-glass atmospheric pressure ion mobility spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1911-1918.	0.7	25
134	Rapid Mass Spectrometric Metabolic Profiling of Blood Sera Detects Ovarian Cancer with High Accuracy. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 2262-2271.	1.1	74
135	Peptidyl Î±-Ketoamides with Nucleobases, Methylpiperazine, and Dimethylaminoalkyl Substituents as Calpain Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6326-6336.	2.9	28
136	Microplasma Discharge Ionization Source for Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 621-627.	3.2	64
137	Enhanced Direct Ambient Analysis by Differential Mobility-Filtered Desorption Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 9159-9163.	3.2	42
138	Antimalarial drug quality: methods to detect suspect drugs. <i>Therapy: Open Access in Clinical Medicine</i> , 2010, 7, 49-57.	0.2	33
139	Small Molecule Ambient Mass Spectrometry Imaging by Infrared Laser Ablation Metastable-Induced Chemical Ionization. <i>Analytical Chemistry</i> , 2010, 82, 2178-2181.	3.2	101
140	Impact of poor-quality medicines in the "developing" world. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 99-101.	4.0	192
141	Transmission-mode direct analysis in real time and desorption electrospray ionization mass spectrometry of insecticide-treated bednets for malaria control. <i>Analyst, The</i> , 2010, 135, 712.	1.7	70
142	Counterfeit and Substandard Anti-infectives in Developing Countries. , 2010, , 413-443.		10
143	Multiplexed Ion Mobility Spectrometry and Ion Mobility"Mass Spectrometry. , 2010, , 153-169.		0
144	Guidelines for Field Surveys of the Quality of Medicines: A Proposal. <i>PLoS Medicine</i> , 2009, 6, e1000052.	3.9	152

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145	Deblurring molecular images using desorption electrospray ionization mass spectrometry. , 2009, 2009, 6731-4.		2
146	Ovarian cancer detection from metabolomic liquid chromatography/mass spectrometry data by support vector machines. BMC Bioinformatics, 2009, 10, 259.	1.2	96
147	Reactive desorption electrospray ionization mass spectrometry (DESI-MS) of natural products of a marine alga. Analytical and Bioanalytical Chemistry, 2009, 394, 245-254.	1.9	61
148	On-chip solid-phase extraction pre-concentration/focusing substrates coupled to atmospheric pressure matrix-assisted laser desorption/ionization ion trap mass spectrometry for high sensitivity biomolecule analysis. Rapid Communications in Mass Spectrometry, 2009, 23, 477-486.	0.7	14
149	Desorption Electrospray/Metastable-Induced Ionization: A Flexible Multimode Ambient Ion Generation Technique. Analytical Chemistry, 2009, 81, 7788-7794.	3.2	59
150	Digitally-Multiplexed Nanoelectrospray Ionization Atmospheric Pressure Drift Tube Ion Mobility Spectrometry. Analytical Chemistry, 2009, 81, 1587-1594.	3.2	27
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