

Xinrong Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233
papers

11,324
citations

59
h-index

97
g-index

240
ext. papers

12,217
ext. citations

6.3
avg, IF

6.23
L-index

#	Paper	IF	Citations
233	Dynamic metabolic change of cancer cells induced by natural killer cells at the single-cell level studied by label-free mass cytometry.. <i>Chemical Science</i> , 2022 , 13, 1641-1647	9.4	1
232	Rapid quantitative analysis of hormones in serum by multilayer paper spray MS: Free MS from HPLC. <i>Talanta</i> , 2022 , 237, 122900	6.2	1
231	SEAM is a spatial single nuclear metabolomics method for dissecting tissue microenvironment. <i>Nature Methods</i> , 2021 , 18, 1223-1232	21.6	10
230	Rapid Disulfide Mapping in Peptides and Proteins by -Chloroperoxybenzoic Acid (CPBA) Oxidation and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 14618-14625	7.8	
229	Reveal heterogeneous motion states in single nanoparticle trajectory using its own history. <i>Science China Chemistry</i> , 2021 , 64, 302-312	7.9	1
228	A fluorescent nanoprobe based on cell-penetrating peptides and quantum dots for ratiometric monitoring of pH fluctuation in lysosomes. <i>Talanta</i> , 2021 , 227, 122208	6.2	4
227	Discriminating Leukemia Cellular Heterogeneity and Screening Metabolite Biomarker Candidates using Label-Free Mass Cytometry. <i>Analytical Chemistry</i> , 2021 , 93, 10282-10291	7.8	0
226	Combination of Structured Illumination Microscopy with Hyperspectral Imaging for Cell Analysis. <i>Analytical Chemistry</i> , 2021 , 93, 10056-10064	7.8	2
225	Dynamic Monitoring of Phase-Separated Biomolecular Condensates by Photoluminescence Lifetime Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 2988-2995	7.8	6
224	Detection of intermediates for diatomic [TaO] ⁺ catalyzed gas-phase reaction of methane coupling to ethane and ethylene by ICP-MS/MS. <i>Microchemical Journal</i> , 2021 , 161, 105762	4.8	3
223	Site-Specific Scissors Based on Myeloperoxidase for Phosphorothioate DNA. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12361-12368	16.4	3
222	Single Cell Mass Spectrometry with a Robotic Micromanipulation System for Cell Metabolite Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	2
221	Intermediates detection in the conversion of ethanol to butanol catalyzed by zirconium, cerium, titanium monoxide cations by inductively coupled plasma tandem mass spectrometry. <i>Microchemical Journal</i> , 2020 , 156, 104926	4.8	2
220	Homogeneous multiplexed digital detection of microRNA with ligation-rolling circle amplification. <i>Chemical Communications</i> , 2020 , 56, 5409-5412	5.8	17
219	The screening of intermediates in a ruthenium and iridium ion-catalyzed gas-phase reaction of ethanol converting to butanol by ICP-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 804-809	3.7	4
218	Simultaneous multicolour imaging using quantum dot structured illumination microscopy. <i>Journal of Microscopy</i> , 2020 , 277, 32-41	1.9	1
217	Development of Pico-ESI-MS for Single-Cell Metabolomics Analysis. <i>Methods in Molecular Biology</i> , 2020 , 2064, 31-59	1.4	0

216	In situ monitoring of catalytic reaction on single nanoporous gold nanowire with tuneable SERS and catalytic activity. <i>Talanta</i> , 2020 , 218, 121181	6.2	2
215	Development and evaluation of an element-tagged immunoassay coupled with inductively coupled plasma mass spectrometry detection: can we apply the new assay in the clinical laboratory?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 873-882	5.9	4
214	Mannose Promotes Metabolic Discrimination of Osteosarcoma Cells at Single-Cell Level by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 2690-2696	7.8	11
213	Evaluation of an Element-Tagged Duplex Immunoassay Coupled with Inductively Coupled Plasma Mass Spectrometry Detection: A Further Study for the Application of the New Assay in Clinical Laboratory. <i>Molecules</i> , 2020 , 25,	4.8	4
212	A multiplex bacterial assay using an element-labeled strategy for 16S rRNA detection. <i>Analyst, The</i> , 2020 , 145, 6821-6825	5	1
211	Tuning the p of Carboxyfluorescein with Arginine-Rich Cell-Penetrating Peptides for Intracellular pH Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 9168-9173	7.8	0
210	Label-free Mass Cytometry for Unveiling Cellular Metabolic Heterogeneity. <i>Analytical Chemistry</i> , 2019 , 91, 9777-9783	7.8	31
209	Native State Single-Cell Printing System and Analysis for Matrix Effects. <i>Analytical Chemistry</i> , 2019 , 91, 8115-8122	7.8	10
208	Switching Carbon Nanodots from Single Emission to Dual Emission by One-Step Electrochemical Tailoring in Alkaline Alcohols: Implications for Sensing and Bioimaging. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2776-2784	5.6	6
207	Quantitation of Glucose-phosphate in Single Cells by Microwell-Based Nanoliter Droplet Microextraction and Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 5613-5620	7.8	21
206	Chemical-Modified Nucleotide-Based Elemental Tags for High-Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2019 , 91, 5980-5986	7.8	28
205	Rapid analysis of chemical warfare agents by metal needle-enhanced low-temperature plasma mass spectrometry. <i>Analytical Methods</i> , 2019 , 11, 3721-3726	3.2	5
204	Lipid Alterations during Zebrafish Embryogenesis Revealed by Dynamic Mass Spectrometry Profiling with C=C Specificity. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2646-2654	3.5	4
203	Cell-penetrating peptide-modified quantum dots as a ratiometric nanobiosensor for the simultaneous sensing and imaging of lysosomes and extracellular pH. <i>Chemical Communications</i> , 2019 , 56, 145-148	5.8	10
202	Separating and Profiling Phosphatidylcholines and Triglycerides from Single Cellular Lipid Droplet by In-Tip Solvent Microextraction Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 4466-4471	7.8	9
201	A Highly Sensitive Chemiluminescent Probe for Detecting Nitroreductase and Imaging in Living Animals. <i>Analytical Chemistry</i> , 2019 , 91, 1384-1390	7.8	33
200	A Novel Chemiluminescent Probe Based on 1,2-Dioxetane Scaffold for Imaging Cysteine in Living Mice. <i>ACS Sensors</i> , 2019 , 4, 87-92	9.2	30
199	Rapid screening of gaseous catalysts in methane activation using ICP-QQQ-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 563-568	3.7	6

198	Rapid Analysis of Unsaturated Fatty Acids on Paper-Based Analytical Devices via Online Epoxidation and Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 2070-2078	7.8	32
197	Simultaneous competitive and sandwich formats multiplexed immunoassays based on ICP-MS detection. <i>Talanta</i> , 2018 , 185, 237-242	6.2	11
196	Analysis of Proteins and DNAs Using Inductively Coupled Plasma Mass Spectrometry and Elemental Tagging 2018 , 1-45		1
195	A cell-penetrating ratiometric probe for simultaneous measurement of lysosomal and cytosolic pH change. <i>Talanta</i> , 2018 , 178, 355-361	6.2	8
194	Gold nanoparticles-enhanced ion-transmission mass spectrometry for highly sensitive detection of chemical warfare agent simulants. <i>Talanta</i> , 2018 , 190, 403-409	6.2	7
193	Combination of Droplet Extraction and Pico-ESI-MS Allows the Identification of Metabolites from Single Cancer Cells. <i>Analytical Chemistry</i> , 2018 , 90, 9897-9903	7.8	42
192	An iridium complex-based probe for photoluminescence lifetime imaging of human carboxylesterase 2 in living cells. <i>Chemical Communications</i> , 2018 , 54, 9027-9030	5.8	15
191	Characterize Collective Lysosome Heterogeneous Dynamics in Live Cell with a Space- and Time-Resolved Method. <i>Analytical Chemistry</i> , 2018 , 90, 9138-9147	7.8	5
190	Vacuum Ultraviolet Laser Desorption/Ionization Mass Spectrometry Imaging of Single Cells with Submicron Craters. <i>Analytical Chemistry</i> , 2018 , 90, 10009-10015	7.8	24
189	Mass spectrometry imaging of intact cholesterol in a mouse esophagus tissue section and mouse zygotes using VUV laser desorption/ionization method. <i>International Journal of Mass Spectrometry</i> , 2018 , 432, 9-13	1.9	10
188	High yield accelerated reactions in nonvolatile microthin films: chemical derivatization for analysis of single-cell intracellular fluid. <i>Chemical Science</i> , 2018 , 9, 7779-7786	9.4	17
187	Assembling of Sulfur Quantum Dots in Fission of Sublimed Sulfur. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7878-7884	16.4	90
186	Antireflection Surfaces for Biological Analysis Using Laser Desorption Ionization Mass Spectrometry. <i>Research</i> , 2018 , 2018, 5439729	7.8	11
185	A Cell-Surface-Specific Ratiometric Fluorescent Probe for Extracellular pH Sensing with Solid-State Fluorophore. <i>ACS Sensors</i> , 2018 , 3, 2278-2285	9.2	25
184	Ratiometric quantification of α -microglobulin antigen in human serum based on elemental labeling strategy. <i>Talanta</i> , 2018 , 189, 249-253	6.2	3
183	Detecting Low-Abundance Molecules at Single-Cell Level by Repeated Ion Accumulation in Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2017 , 89, 2275-2281	7.8	15
182	Pinpoint the Positions of Single Nucleotide Polymorphisms by a Nanocluster Dimer. <i>Analytical Chemistry</i> , 2017 , 89, 2622-2627	7.8	16
181	Graphene Oxide as a Novel Evenly Continuous Phase Matrix for TOF-SIMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 399-408	3.5	12

180	Simultaneous detection of three gynecological tumor biomarkers in clinical serum samples using an ICP-MS-based magnetic immunoassay. <i>Analytical Methods</i> , 2017 , 9, 2546-2552	3.2	5
179	Spatiotemporal fluorescence imaging of newly synthesized proteins in normal and cancerous cells with anticarcinogen modulation. <i>Talanta</i> , 2017 , 162, 641-647	6.2	3
178	Plasma-based ambient mass spectrometry: a step forward to practical applications. <i>Analytical Methods</i> , 2017 , 9, 4908-4923	3.2	12
177	Simultaneous Imaging of Three Tumor-Related mRNAs in Living Cells with a DNA Tetrahedron-Based Multicolor Nanoprobe. <i>ACS Sensors</i> , 2017 , 2, 735-739	9.2	49
176	Cell-Penetrating Peptide Spirolactam Derivative as a Reversible Fluorescent pH Probe for Live Cell Imaging. <i>Analytical Chemistry</i> , 2017 , 89, 1238-1243	7.8	24
175	Nano Endoscopy with Plasmon-Enhanced Fluorescence for Sensitive Sensing Inside Ultrasmall Volume Samples. <i>Analytical Chemistry</i> , 2017 , 89, 1045-1048	7.8	8
174	A rapid screening platform for catalyst discovery in azide-alkyne cycloaddition by ICP-MS/MS. <i>Talanta</i> , 2017 , 165, 39-43	6.2	6
173	Metal organic framework superlenses. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10485-10489	7.1	
172	Identification and Quantitation of C?C Location Isomers of Unsaturated Fatty Acids by Epoxidation Reaction and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 10270-10278	7.8	51
171	Photoluminescence Lifetime Imaging of Synthesized Proteins in Living Cells Using an Iridium-Alkyne Probe. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14928-14932	16.4	44
170	Photoluminescence Lifetime Imaging of Synthesized Proteins in Living Cells Using an Iridium-Alkyne Probe. <i>Angewandte Chemie</i> , 2017 , 129, 15124-15128	3.6	7
169	Simultaneous imaging of newly synthesized proteins and lipids in single cell by TOF-SIMS. <i>International Journal of Mass Spectrometry</i> , 2017 , 421, 238-244	1.9	10
168	A new instrument of VUV laser desorption/ionization mass spectrometry imaging with micrometer spatial resolution and low level of molecular fragmentation. <i>Review of Scientific Instruments</i> , 2017 , 88, 114102	1.7	13
167	A combinatorial immunoassay for multiple biomarkers via a stable isotope tagging strategy. <i>Chemical Communications</i> , 2017 , 53, 13075-13078	5.8	27
166	Chemical Visualization of Sweat Pores in Fingerprints Using GO-Enhanced TOF-SIMS. <i>Analytical Chemistry</i> , 2017 , 89, 8372-8376	7.8	19
165	Imaging specific newly synthesized proteins within cells by fluorescence resonance energy transfer. <i>Chemical Science</i> , 2017 , 8, 748-754	9.4	2
164	Multiplex miRNA assay using lanthanide-tagged probes and the duplex-specific nuclease amplification strategy. <i>Chemical Communications</i> , 2016 , 52, 14310-14313	5.8	51
163	In Situ Ion-Transmission Mass Spectrometry for Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2016 , 88, 10805-10810	7.8	23

162	Metal Stable Isotope Tagging: Renaissance of Radioimmunoassay for Multiplex and Absolute Quantification of Biomolecules. <i>Accounts of Chemical Research</i> , 2016 , 49, 775-83	24.3	98
161	Single nanoporous gold nanowire as a tunable one-dimensional platform for plasmon-enhanced fluorescence. <i>Chemical Communications</i> , 2016 , 52, 1808-11	5.8	24
160	A ratiometric strategy to detect hydrogen sulfide with a gold nanoclusters based fluorescent probe. <i>Talanta</i> , 2016 , 154, 190-6	6.2	32
159	Rapid screening of copper intermediates in Cu(i)-catalyzed azide-alkyne cycloaddition using a modified ICP-MS/MS platform. <i>Chemical Communications</i> , 2016 , 52, 10501-4	5.8	12
158	Pyroelectricity Assisted Infrared-Laser Desorption Ionization (PAI-LDI) for Atmospheric Pressure Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1266-73	3.5	2
157	Facile preparation of paper substrates coated with different materials and their applications in paper spray mass spectrometry. <i>Analytical Methods</i> , 2015 , 7, 5381-5386	3.2	33
156	Coupling a solid phase microextraction (SPME) probe with ambient MS for rapid enrichment and detection of phosphopeptides in biological samples. <i>Analyst, The</i> , 2015 , 140, 2599-602	5	30
155	DNA methylation as a potential diagnosis indicator for rapid discrimination of rare cancer cells and normal cells. <i>Scientific Reports</i> , 2015 , 5, 11882	4.9	6
154	Development of dielectric-barrier-discharge ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2345-64	4.4	60
153	Pulsed Direct Current Electrospray: Enabling Systematic Analysis of Small Volume Sample by Boosting Sample Economy. <i>Analytical Chemistry</i> , 2015 , 87, 11242-8	7.8	49
152	ICP-MS/MS as a tool to study abiotic methylation of inorganic mercury reacting with VOCs. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1997-2002	3.7	7
151	Desalting by crystallization: detection of attomole biomolecules in picoliter buffers by mass spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 9745-51	7.8	25
150	Cataluminescence-based sensors: principle, instrument and application. <i>Luminescence</i> , 2015 , 30, 919-39	2.5	18
149	Analyte migration electrospray ionization for rapid analysis of complex samples with small volume using mass spectrometry. <i>Analyst, The</i> , 2014 , 139, 5678-81	5	6
148	Single cell analysis with probe ESI-mass spectrometry: detection of metabolites at cellular and subcellular levels. <i>Analytical Chemistry</i> , 2014 , 86, 3809-16	7.8	163
147	Multiplex DNA assay based on nanoparticle probes by single particle inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 3541-7	7.8	65
146	Hydrogen sulfide detection based on reflection: from a poison test approach of ancient China to single-cell accurate localization. <i>Analytical Chemistry</i> , 2014 , 86, 7734-9	7.8	10
145	Teaching analytical chemistry in China: past, present, and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4005-8	4.4	6

144	Multicolor imaging of cancer cells with fluorophore-tagged aptamers for single cell typing. <i>Analytical Chemistry</i> , 2014 , 86, 8261-6	7.8	34
143	Low temperature hydrogen plasma assisted chemical vapor generation for Atomic Fluorescence Spectrometry. <i>Talanta</i> , 2014 , 126, 1-7	6.2	29
142	Rapid identification of bacterial biofilms and biofilm wound models using a multichannel nanosensor. <i>ACS Nano</i> , 2014 , 8, 12014-9	16.7	58
141	Aptamer-based plasmonic sensor array for discrimination of proteins and cells with the naked eye. <i>Analytical Chemistry</i> , 2013 , 85, 6571-4	7.8	100
140	Observation of replacement of carbon in benzene with nitrogen in a low-temperature plasma. <i>Scientific Reports</i> , 2013 , 3, 3481	4.9	23
139	Lab-on-graphene: graphene oxide as a triple-channel sensing device for protein discrimination. <i>Chemical Communications</i> , 2013 , 49, 81-3	5.8	70
138	Absolute and Relative Quantification of Multiplex DNA Assays Based on an Elemental Labeling Strategy. <i>Angewandte Chemie</i> , 2013 , 125, 1506-1511	3.6	7
137	Absolute and relative quantification of multiplex DNA assays based on an elemental labeling strategy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1466-71	16.4	86
136	A novel near-infrared fluorescent probe for selectively sensing nitroreductase (NTR) in an aqueous medium. <i>Analyst, The</i> , 2013 , 138, 1952-5	5	56
135	Rapid removal of matrices from small-volume samples by step-voltage nanoelectrospray. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11025-8	16.4	45
134	Rapid Removal of Matrices from Small-Volume Samples by Step-Voltage Nanoelectrospray. <i>Angewandte Chemie</i> , 2013 , 125, 11231-11234	3.6	4
133	An instrumentation perspective on reaction monitoring by ambient mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 35, 50-66	14.6	42
132	Electron transfer dissociation (ETD) of peptides containing intrachain disulfide bonds. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 310-20	3.5	53
131	A chemiluminescence sensor array for discriminating natural sugars and artificial sweeteners. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 389-95	4.4	28
130	Development of a cataluminescence-based method for rapid screening of de-NOx catalysts. <i>Analytical Methods</i> , 2012 , 4, 2218	3.2	7
129	In vivo nanoelectrospray for the localization of bioactive molecules in plants by mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 3058-62	7.8	28
128	Gas-phase fragmentation of host-guest complexes between β -cyclodextrin and small molecules. <i>Talanta</i> , 2012 , 93, 252-6	6.2	9
127	Colorimetric protein sensing using catalytically amplified sensor arrays. <i>Small</i> , 2012 , 8, 3589-92	11	89

126	Protein discrimination using fluorescent gold nanoparticles on plasmonic substrates. <i>Analytical Chemistry</i> , 2012 , 84, 4258-61	7.8	80
125	Horseradish peroxidase functionalized fluorescent gold nanoclusters for hydrogen peroxide sensing. <i>Analytical Chemistry</i> , 2011 , 83, 1193-6	7.8	479
124	Shape controlled synthesis of superhydrophobic zinc coordination polymers particles and their calcination to superhydrophobic ZnO. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8633		31
123	Functional and structural evaluation of cysteine residues in the human arsenic (+3 oxidation state) methyltransferase (hAS3MT). <i>Biochimie</i> , 2011 , 93, 369-75	4.6	23
122	Low-temperature plasma ionization source for the online detection of indoor volatile organic compounds. <i>Talanta</i> , 2011 , 85, 2458-62	6.2	16
121	Gas-phase fragmentation of $[M+nH+OH]^{n+}$ ions formed from peptides containing intra-molecular disulfide bonds. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 922-30	3.5	17
120	One-Step Homogeneous DNA Assay with Single-Nanoparticle Detection. <i>Angewandte Chemie</i> , 2011 , 123, 3524-3527	3.6	9
119	One-step homogeneous DNA assay with single-nanoparticle detection. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3462-5	16.4	72
118	A thermochemiluminescence array for recognition of protein subtypes and their denatured shapes. <i>Analyst, The</i> , 2011 , 136, 3643-8	5	17
117	Controlling charge states of peptides through inductive electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 8863-6	7.8	16
116	Dual-channel sensing of volatile organic compounds with semiconducting nanoparticles. <i>Analytical Chemistry</i> , 2010 , 82, 66-8	7.8	44
115	New insights into the mechanism of arsenite methylation with the recombinant human arsenic (+3) methyltransferase (hAS3MT). <i>Biochimie</i> , 2010 , 92, 1397-406	4.6	24
114	Sensitive sandwich immunoassay based on single particle mode inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , 2010 , 83, 48-54	6.2	33
113	Depth profiling of nanometer coatings by low temperature plasma probe combined with inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 5872-7	7.8	34
112	Development of a plasma-assisted cataluminescence system for benzene, toluene, ethylbenzene, and xylenes analysis. <i>Analytical Chemistry</i> , 2010 , 82, 3457-9	7.8	46
111	In situ arsenic speciation on solid surfaces by desorption electrospray ionization tandem mass spectrometry. <i>Analyst, The</i> , 2010 , 135, 1268-75	5	14
110	Imaging Mass Spectrometry with a Low-Temperature Plasma Probe for the Analysis of Works of Art. <i>Angewandte Chemie</i> , 2010 , 122, 4537-4539	3.6	17
109	Imaging mass spectrometry with a low-temperature plasma probe for the analysis of works of art. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4435-7	16.4	117

108	Simultaneous determination of arsenic and antimony by hydride generation atomic fluorescence spectrometry with dielectric barrier discharge atomizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010 , 65, 1056-1060	3.1	33
107	Electro-optical gas sensor based on a planar light-emitting electrochemical cell microarray. <i>Small</i> , 2010 , 6, 1897-9	11	2
106	Development of a graphite low-temperature plasma source with dual-mode in-source fragmentation for ambient mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 742-8	2.2	27
105	Structure-function roles of four cysteine residues in the human arsenic (+3 oxidation state) methyltransferase (hAS3MT) by site-directed mutagenesis. <i>Chemico-Biological Interactions</i> , 2009 , 179, 321-8	5	28
104	CE immunoassay with enhanced chemiluminescence detection of erythropoietin using silica dioxide nanoparticles as pseudostationary phase. <i>Electrophoresis</i> , 2009 , 30, 3092-3098	3.6	16
103	Birch reduction of benzene in a low-temperature plasma. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2017-9	16.4	70
102	Development of a chemiluminescent imaging assay for the detection of anti-erythropoietin antibody in human sera. <i>Luminescence</i> , 2009 , 24, 55-61	2.5	2
101	A simple and fast detection technique for arsenic speciation based on high-efficiency photooxidation and gas-phase chemiluminescence detection. <i>Luminescence</i> , 2009 , 24, 290-4	2.5	11
100	Effects of selenium on the structure and function of recombinant human S-adenosyl-L-methionine dependent arsenic (+3 oxidation state) methyltransferase in E. coli. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 485-96	3.7	21
99	Development of a sensitive gas sensor by trapping the analytes on nanomaterials and in situ cataluminescence detection. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 168-173	8.5	27
98	A new strategy for highly sensitive immunoassay based on single-particle mode detection by inductively coupled plasma mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1096-103	3.5	79
97	Rapid screening of active ingredients in drugs by mass spectrometry with low-temperature plasma probe. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 591-9	4.4	67
96	Cataluminescence-based array imaging for high-throughput screening of heterogeneous catalysts. <i>Analytical Chemistry</i> , 2009 , 81, 2092-7	7.8	62
95	Biom mineralization and superhydrophobicity of BaCO ₃ complex nanostructures. <i>Inorganic Chemistry</i> , 2009 , 48, 10326-9	5.1	29
94	Discrimination and identification of flavors with catalytic nanomaterial-based optical chemosensor array. <i>Analytical Chemistry</i> , 2009 , 81, 961-6	7.8	79
93	Development of an ICP-MS immunoassay for the detection of anti-erythropoietin antibodies. <i>Talanta</i> , 2009 , 78, 869-73	6.2	17
92	Determination of bismuth in solid samples by hydride generation atomic fluorescence spectrometry with a dielectric barrier discharge atomizer. <i>Talanta</i> , 2009 , 80, 139-42	6.2	32
91	l-Lysine-Assisted Synthesis of ZrO ₂ Nanocrystals and Their Application in Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18259-18263	3.8	66

90	Inorganic arsenic modulates the expression of selenoproteins in mouse embryonic stem cell. <i>Toxicology Letters</i> , 2009 , 187, 69-76	4.4	17
89	Amino Acid-Assisted Hydrothermal Synthesis and Photocatalysis of SnO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17893-17898	3.8	225
88	Morphology- and phase-controlled synthesis of monodisperse lanthanide-doped NaGdF ₄ nanocrystals with multicolor photoluminescence. <i>Journal of Materials Chemistry</i> , 2009 , 19, 489-496		149
87	Direct detection of explosives on solid surfaces by low temperature plasma desorption mass spectrometry. <i>Analyst, The</i> , 2009 , 134, 176-81	5	171
86	Real-time monitoring of chemical reactions by mass spectrometry utilizing a low-temperature plasma probe. <i>Analyst, The</i> , 2009 , 134, 1863-7	5	62
85	Recognition of organic compounds in aqueous solutions by chemiluminescence on an array of catalytic nanoparticles. <i>Analyst, The</i> , 2009 , 134, 2441-6	5	24
84	Low-temperature plasma probe for ambient desorption ionization. <i>Analytical Chemistry</i> , 2008 , 80, 9097-1004		580
83	Use of a solution cathode glow discharge for cold vapor generation of mercury with determination by ICP-atomic emission spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 7043-50	7.8	144
82	L-Cysteine-Assisted Synthesis and Optical Properties of Ag ₂ S Nanospheres. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3580-3584	3.8	130
81	Polyol-mediated synthesis and luminescence of lanthanide-doped NaYF ₄ nanocrystal upconversion phosphors. <i>Journal of Alloys and Compounds</i> , 2008 , 455, 376-384	5.7	58
80	Low selenium status affects arsenic metabolites in an arsenic exposed population with skin lesions. <i>Clinica Chimica Acta</i> , 2008 , 387, 139-44	6.2	45
79	Microplasma source based on a dielectric barrier discharge for the determination of mercury by atomic emission spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 8622-7	7.8	111
78	Versatile platform employing desorption electrospray ionization mass spectrometry for high-throughput analysis. <i>Analytical Chemistry</i> , 2008 , 80, 6131-6	7.8	42
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