

Xinrong Zhang

List of Publications by Year in descending order

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232
papers

13,223
citations

17405

63
h-index

29081

104
g-index

240
all docs

240
docs citations

240
times ranked

11180
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature Plasma Probe for Ambient Desorption Ionization. <i>Analytical Chemistry</i> , 2008, 80, 9097-9104.	3.2	638
2	Horseradish Peroxidase Functionalized Fluorescent Gold Nanoclusters for Hydrogen Peroxide Sensing. <i>Analytical Chemistry</i> , 2011, 83, 1193-1196.	3.2	515
3	Development of a dielectric barrier discharge ion source for ambient mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1859-1862.	1.2	400
4	Development of a Gas Sensor Utilizing Chemiluminescence on Nanosized Titanium Dioxide. <i>Analytical Chemistry</i> , 2002, 74, 120-124.	3.2	332
5	Amino Acid-Assisted Hydrothermal Synthesis and Photocatalysis of SnO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17893-17898.	1.5	250
6	Application of the Biological Conjugate between Antibody and Colloid Au Nanoparticles as Analyte to Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 96-99.	3.2	240
7	Synthesis of Oil-Dispersible Hexagonal-Phase and Hexagonal-Shaped NaYF ₄ :Yb,Er Nanoplates. <i>Chemistry of Materials</i> , 2006, 18, 5733-5737.	3.2	228
8	Single Cell Analysis with Probe ESI-Mass Spectrometry: Detection of Metabolites at Cellular and Subcellular Levels. <i>Analytical Chemistry</i> , 2014, 86, 3809-3816.	3.2	194
9	Detection of Multiple Proteins on One Spot by Laser Ablation Inductively Coupled Plasma Mass Spectrometry and Application to Immuno- Microarray with Element-Tagged Antibodies. <i>Analytical Chemistry</i> , 2007, 79, 923-929.	3.2	187
10	Direct detection of explosives on solid surfaces by low temperature plasma desorption mass spectrometry. <i>Analyst</i> , 2009, 134, 176-181.	1.7	186
11	Rapid Screening of Anabolic Steroids in Urine by Reactive Desorption Electrospray Ionization. <i>Analytical Chemistry</i> , 2007, 79, 8327-8332.	3.2	185
12	Assembling of Sulfur Quantum Dots in Fission of Sublimed Sulfur. <i>Journal of the American Chemical Society</i> , 2018, 140, 7878-7884.	6.6	176
13	Recent developments in nanomaterial optical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 351-360.	5.8	170
14	Direct detection of explosives on solid surfaces by mass spectrometry with an ambient ion source based on dielectric barrier discharge. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1079-1085.	0.7	169
15	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, 7043-7050.	3.2	165
16	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.	6.7	156
17	A Catalytic Nanomaterial-Based Optical Chemo-Sensor Array. <i>Journal of the American Chemical Society</i> , 2006, 128, 14420-14421.	6.6	147
18	Cysteine-Assisted Synthesis and Optical Properties of Ag ₂ S Nanospheres. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3580-3584.	1.5	143

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19	Microplasma Source Based on a Dielectric Barrier Discharge for the Determination of Mercury by Atomic Emission Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 8622-8627.	3.2	131
20	Metal Stable Isotope Tagging: Renaissance of Radioimmunoassay for Multiplex and Absolute Quantification of Biomolecules. <i>Accounts of Chemical Research</i> , 2016, 49, 775-783.	7.6	130
21	Title is missing!. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1393-1396.	1.6	128
22	Imaging Mass Spectrometry with a Low-Temperature Plasma Probe for the Analysis of Works of Art. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4435-4437.	7.2	127
23	Growth and Optical Properties of Wurtzite-Type CdS Nanocrystals. <i>Inorganic Chemistry</i> , 2006, 45, 5103-5108.	1.9	125
24	Rapid Screening of Gold Catalysts by Chemiluminescence-Based Array Imaging. <i>Journal of the American Chemical Society</i> , 2007, 129, 6062-6063.	6.6	125
25	Recent developments and applications of chemiluminescence sensors. <i>Analytica Chimica Acta</i> , 2005, 541, 37-46.	2.6	123
26	Chemiluminescence of sulfite based on auto-oxidation sensitized by rhodamine 6G. <i>Analytica Chimica Acta</i> , 1999, 391, 95-100.	2.6	120
27	Atomization of Hydride with a Low-Temperature, Atmospheric Pressure Dielectric Barrier Discharge and Its Application to Arsenic Speciation with Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 865-872.	3.2	119
28	SnO ₂ /carbon nanotube nanocomposites synthesized in supercritical fluids: highly efficient materials for use as a chemical sensor and as the anode of a lithium-ion battery. <i>Nanotechnology</i> , 2007, 18, 435707.	1.3	118
29	Growth and photoluminescence properties of PbS nanocubes. <i>Nanotechnology</i> , 2006, 17, 3280-3287.	1.3	117
30	On-line monitoring of formaldehyde in air by cataluminescence-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2006, 119, 392-397.	4.0	116
31	Simultaneous Determination of β -Fetoprotein and Free β -Human Chorionic Gonadotropin by Element-Tagged Immunoassay with Detection by Inductively Coupled Plasma Mass Spectrometry. <i>Clinical Chemistry</i> , 2004, 50, 1214-1221.	1.5	115
32	Shape and Magnetic Properties of Single-Crystalline Hematite (α -Fe ₂ O ₃) Nanocrystals. <i>ChemPhysChem</i> , 2006, 7, 1897-1901.	1.0	114
33	Aptamer-Based Plasmonic Sensor Array for Discrimination of Proteins and Cells with the Naked Eye. <i>Analytical Chemistry</i> , 2013, 85, 6571-6574.	3.2	114
34	A survey of arsenic species in chinese seafood. <i>Food and Chemical Toxicology</i> , 2003, 41, 1103-1110.	1.8	109
35	A highly selective chemiluminescent H ₂ S sensor. <i>Sensors and Actuators B: Chemical</i> , 2004, 102, 155-161.	4.0	106
36	Application of Multiwalled Carbon Nanotubes as a Solid-Phase Extraction Sorbent for Chlorobenzenes. <i>Analytical Letters</i> , 2004, 37, 3085-3104.	1.0	101

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37	Arsenic speciation in Chinese seaweeds using HPLC-ICP-MS and HPLC-ES-MS. <i>Analyst</i> , The, 2002, 127, 634-640.	1.7	100
38	Colorimetric Protein Sensing Using Catalytically Amplified Sensor Arrays. <i>Small</i> , 2012, 8, 3589-3592.	5.2	100
39	Absolute and Relative Quantification of Multiplex DNA Assays Based on an Elemental Labeling Strategy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1466-1471.	7.2	100
40	Synthesis of ZrO ₂ @Carbon Nanotube Composites and Their Application as Chemiluminescent Sensor Material for Ethanol. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13410-13414.	1.2	97
41	Development of a chemiluminescence ethanol sensor based on nanosized ZrO ₂ . Electronic Supplementary Information available: three graphs showing stability of the sensor with time, the CTL spectrum of acetaldehyde and the CTL cataluminescence response curves of ethanol, butanol and propanol; one table showing CTL intensity of ethanol, butanol and propanol at 195 Å°C. See http://www.rsc.org/suppdata/anal/b2/b202223k/ . <i>Analyst</i> , The, 2002, 127, 792-796.	1.7	95
42	Synthesis and characterization of efficient near-infrared upconversion Yb and Tm codoped NaYF ₄ nanocrystal reporter. <i>Journal of Alloys and Compounds</i> , 2007, 427, 333-340.	2.8	94
43	Nanosized SrCO ₃ -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , 2002, 466, 69-78.	2.6	91
44	Generation and Optical Properties of Monodisperse Wurtzite-Type ZnS Microspheres. <i>Inorganic Chemistry</i> , 2006, 45, 7316-7322.	1.9	89
45	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, 1096-1103.	1.2	89
46	Protein Discrimination Using Fluorescent Gold Nanoparticles on Plasmonic Substrates. <i>Analytical Chemistry</i> , 2012, 84, 4258-4261.	3.2	88
47	One-Step Homogeneous DNA Assay with Single-Nanoparticle Detection. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3462-3465.	7.2	86
48	Discrimination and Identification of Flavors with Catalytic Nanomaterial-Based Optical Chemosensor Array. <i>Analytical Chemistry</i> , 2009, 81, 961-966.	3.2	85
49	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.	3.2	82
50	Multiplex DNA Assay Based on Nanoparticle Probes by Single Particle Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3541-3547.	3.2	81
51	Safety Evaluation of Organoarsenical Species in Edible Porphyra from the China Sea. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5176-5182.	2.4	78
52	SEAM is a spatial single nuclear metabolomics method for dissecting tissue microenvironment. <i>Nature Methods</i> , 2021, 18, 1223-1232.	9.0	78
53	Lab-on-graphene: graphene oxide as a triple-channel sensing device for protein discrimination. <i>Chemical Communications</i> , 2013, 49, 81-83.	2.2	77
54	Development of dielectric-barrier-discharge ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2345-2364.	1.9	75

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55	Pulsed Direct Current Electrospray: Enabling Systematic Analysis of Small Volume Sample by Boosting Sample Economy. <i>Analytical Chemistry</i> , 2015, 87, 11242-11248.	3.2	75
56	A novel gaseous acetaldehyde sensor utilizing cataluminescence on nanosized BaCO ₃ . <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 30-35.	4.0	74
57	Birch Reduction of Benzene in a Low-Temperature Plasma. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2017-2019.	7.2	74
58	Rapid screening of active ingredients in drugs by mass spectrometry with low-temperature plasma probe. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 591-599.	1.9	72
59	Lysine-Assisted Synthesis of ZrO ₂ Nanocrystals and Their Application in Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18259-18263.	1.5	72
60	Rapid Identification of Bacterial Biofilms and Biofilm Wound Models Using a Multichannel Nanosensor. <i>ACS Nano</i> , 2014, 8, 12014-12019.	7.3	72
61	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.	3.2	68
62	Cataluminescence-Based Array Imaging for High-Throughput Screening of Heterogeneous Catalysts. <i>Analytical Chemistry</i> , 2009, 81, 2092-2097.	3.2	66
63	Coating carbon nanotubes with metal oxides in a supercritical carbon dioxide-ethanol solution. <i>Carbon</i> , 2007, 45, 2589-2596.	5.4	65
64	Desorption Electrospray Tandem MS (DESI-MS/MS) Analysis of Methyl Centralite and Ethyl Centralite as Gunshot Residues on Skin and Other Surfaces. <i>Journal of Forensic Sciences</i> , 2008, 53, 807-811.	0.9	65
65	Real-time monitoring of chemical reactions by mass spectrometry utilizing a low-temperature plasma probe. <i>Analyst</i> , 2009, 134, 1863.	1.7	65
66	Arsenic speciation in moso bamboo shoot – A terrestrial plant that contains organoarsenic species. <i>Science of the Total Environment</i> , 2006, 371, 293-303.	3.9	63
67	Electron Transfer Dissociation (ETD) of Peptides Containing Intrachain Disulfide Bonds. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 310-320.	1.2	63
68	Application of atmospheric pressure dielectric barrier discharge plasma for the determination of Se, Sb and Sn with atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 916-921.	1.5	62
69	Polyol-mediated synthesis of water-soluble LaF ₃ :Yb,Er upconversion fluorescent nanocrystals. <i>Materials Letters</i> , 2007, 61, 1337-1340.	1.3	62
70	A novel near-infrared fluorescent probe for selectively sensing nitroreductase (NTR) in an aqueous medium. <i>Analyst</i> , 2013, 138, 1952.	1.7	62
71	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.	4.0	62
72	Determination of Se, Pb, and Sb by atomic fluorescence spectrometry using a new flameless, dielectric barrier discharge atomizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 431-436.	1.5	60

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73	Polyol-mediated synthesis and luminescence of lanthanide-doped NaYF ₄ nanocrystal upconversion phosphors. <i>Journal of Alloys and Compounds</i> , 2008, 455, 376-384.	2.8	59
74	Multiplex miRNA assay using lanthanide-tagged probes and the duplex-specific nuclease amplification strategy. <i>Chemical Communications</i> , 2016, 52, 14310-14313.	2.2	59
75	Label-free Mass Cytometry for Unveiling Cellular Metabolic Heterogeneity. <i>Analytical Chemistry</i> , 2019, 91, 9777-9783.	3.2	59
76	Evaluation of a hydride generation-atomic fluorescence system for the determination of arsenic using a dielectric barrier discharge atomizer. <i>Analytica Chimica Acta</i> , 2008, 607, 136-141.	2.6	58
77	Speciation of Six Arsenic Compounds Using High-performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry With Sample Introduction by Thermospray Nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 1047-1052.	1.6	57
78	Determination of diphenylamine stabilizer and its nitrated derivatives in smokeless gunpowder using a tandem MS method. <i>Analyst</i> , The, 2001, 126, 480-484.	1.7	57
79	Photoluminescence Lifetime Imaging of Synthesized Proteins in Living Cells Using an Iridium ^{III} Alkyne Probe. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14928-14932.	7.2	56
80	Development of a Plasma-Assisted Cataluminescence System for Benzene, Toluene, Ethylbenzene, and Xylenes Analysis. <i>Analytical Chemistry</i> , 2010, 82, 3457-3459.	3.2	55
81	Rapid Removal of Matrices from Small-Volume Samples by Step-Voltage Nanoelectrospray. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11025-11028.	7.2	53
82	Low selenium status affects arsenic metabolites in an arsenic exposed population with skin lesions. <i>Clinica Chimica Acta</i> , 2008, 387, 139-144.	0.5	50
83	A Highly Sensitive Chemiluminescent Probe for Detecting Nitroreductase and Imaging in Living Animals. <i>Analytical Chemistry</i> , 2019, 91, 1384-1390.	3.2	50
84	Development of a Detector for Liquid Chromatography Based on Aerosol Chemiluminescence on Porous Alumina. <i>Analytical Chemistry</i> , 2005, 77, 1518-1525.	3.2	49
85	Rapid screening of clenbuterol in urine samples by desorption electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1882-1888.	0.7	49
86	Dual-Channel Sensing of Volatile Organic Compounds with Semiconducting Nanoparticles. <i>Analytical Chemistry</i> , 2010, 82, 66-68.	3.2	48
87	Development of a luminol-based chemiluminescence flow-injection method for the determination of dichlorvos pesticide. <i>Talanta</i> , 2001, 54, 1185-1193.	2.9	47
88	Versatile Platform Employing Desorption Electrospray Ionization Mass Spectrometry for High-Throughput Analysis. <i>Analytical Chemistry</i> , 2008, 80, 6131-6136.	3.2	47
89	Speciation of toxicologically important arsenic species in human serum by liquid chromatography-hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 1075-1079.	1.6	46
90	A nanosized YO-based catalytic chemiluminescent sensor for trimethylamine. <i>Talanta</i> , 2005, 65, 913-917.	2.9	46

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91	Chemiluminescence flow-injection determination of furosemide based on a rhodamine 6G sensitized cerium(IV) method. <i>Analytica Chimica Acta</i> , 1999, 396, 273-277.	2.6	45
92	An instrumentation perspective on reaction monitoring by ambient mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 35, 50-66.	5.8	45
93	Vacuum Ultraviolet Laser Desorption/Ionization Mass Spectrometry Imaging of Single Cells with Submicron Craters. <i>Analytical Chemistry</i> , 2018, 90, 10009-10015.	3.2	45
94	An energy-transfer cataluminescence reaction on nanosized catalysts and its application to chemical sensors. <i>Analytica Chimica Acta</i> , 2005, 535, 145-152.	2.6	42
95	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.	3.7	42
96	ICP-MS-based competitive immunoassay for the determination of total thyroxin in human serum. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1304-1307.	1.6	41
97	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.	3.2	41
98	A Novel Chemiluminescent Probe Based on 1,2-Dioxetane Scaffold for Imaging Cysteine in Living Mice. <i>ACS Sensors</i> , 2019, 4, 87-92.	4.0	41
99	Development of an Aerosol Chemiluminescent Detector Coupled to Capillary Electrophoresis for Saccharide Analysis. <i>Analytical Chemistry</i> , 2005, 77, 7356-7365.	3.2	40
100	A novel gaseous ester sensor utilizing chemiluminescence on nano-sized SiO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 461-466.	4.0	40
101	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.	1.3	40
102	Chemiluminescence Determination of Tiopronin by Flow Injection Analysis Based on Cerium(IV) Oxidation Sensitized by Quinine. <i>Analyst</i> , 1997, 122, 103-106.	1.7	39
103	Speciation of antimony(III) and antimony(V) species by using high-performance liquid chromatography coupled to hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 205-207.	1.6	39
104	Flow-Injection Chemiluminescence Determination of Fluoroquinolones. <i>Analytical Letters</i> , 2000, 33, 1117-1129.	1.0	39
105	Determination of NH ₃ gas by combination of nanosized LaCoO ₃ converter with chemiluminescence detector. <i>Talanta</i> , 2003, 61, 157-164.	2.9	38
106	Low temperature hydrogen plasma assisted chemical vapor generation for Atomic Fluorescence Spectrometry. <i>Talanta</i> , 2014, 126, 1-7.	2.9	38
107	A ratiometric strategy to detect hydrogen sulfide with a gold nanoclusters based fluorescent probe. <i>Talanta</i> , 2016, 154, 190-196.	2.9	38
108	Determination of bismuth in solid samples by hydride generation atomic fluorescence spectrometry with a dielectric barrier discharge atomizer. <i>Talanta</i> , 2009, 80, 139-142.	2.9	37

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109	Sensitive sandwich immunoassay based on single particle mode inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , 2010, 83, 48-54.	2.9	37
110	Depth Profiling of Nanometer Coatings by Low Temperature Plasma Probe Combined with Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 5872-5877.	3.2	37
111	Multicolor Imaging of Cancer Cells with Fluorophore-Tagged Aptamers for Single Cell Typing. <i>Analytical Chemistry</i> , 2014, 86, 8261-8266.	3.2	37
112	Determination of ofloxacin using a chemiluminescence flow-injection method. <i>Analytica Chimica Acta</i> , 2000, 416, 227-230.	2.6	36
113	<sc>Cysteine-Assisted Self-Assembly of Complex PbS Structures. <i>Crystal Growth and Design</i> , 2008, 8, 3935-3940.	1.4	36
114	Chemical Visualization of Sweat Pores in Fingerprints Using GO-Enhanced TOF-SIMS. <i>Analytical Chemistry</i> , 2017, 89, 8372-8376.	3.2	36
115	A Cell-Surface-Specific Ratiometric Fluorescent Probe for Extracellular pH Sensing with Solid-State Fluorophore. <i>ACS Sensors</i> , 2018, 3, 2278-2285.	4.0	36
116	Chemical-Modified Nucleotide-Based Elemental Tags for High-Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2019, 91, 5980-5986.	3.2	36
117	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.	1.5	35
118	Ambient mass spectrometry. <i>Analyst, The</i> , 2010, 135, 659.	1.7	34
119	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, 2599-2602.	1.7	34
120	Quantitation of Glucose-phosphate in Single Cells by Microwell-Based Nanoliter Droplet Microextraction and Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 5613-5620.	3.2	34
121	Shape controlled synthesis of superhydrophobic zinc coordination polymers particles and their calcination to superhydrophobic ZnO. <i>Journal of Materials Chemistry</i> , 2011, 21, 8633.	6.7	33
122	Chemiluminescence analysis of menadione sodium bisulfite and analgin in pharmaceutical preparations and biological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 817-825.	1.4	32
123	Biominalization and Superhydrophobicity of BaCO ₃ Complex Nanostructures. <i>Inorganic Chemistry</i> , 2009, 48, 10326-10329.	1.9	32
124	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, 742-748.	0.7	32
125	A combinatorial immunoassay for multiple biomarkers via a stable isotope tagging strategy. <i>Chemical Communications</i> , 2017, 53, 13075-13078.	2.2	32
126	In Vivo Nanoelectrospray for the Localization of Bioactive Molecules in Plants by Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 3058-3062.	3.2	31

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127	Desalting by Crystallization: Detection of Attomole Biomolecules in Picoliter Buffers by Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9745-9751.	3.2	31
128	Cell-Penetrating Peptide Spirolactam Derivative as a Reversible Fluorescent pH Probe for Live Cell Imaging. <i>Analytical Chemistry</i> , 2017, 89, 1238-1243.	3.2	31
129	A chemiluminescence sensor array for discriminating natural sugars and artificial sweeteners. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 389-395.	1.9	30
130	Observation of Replacement of Carbon in Benzene with Nitrogen in a Low-Temperature Plasma. <i>Scientific Reports</i> , 2013, 3, 3481.	1.6	30
131	Study of arsenic-protein binding in serum of patients on continuous ambulatory peritoneal dialysis. <i>Clinical Chemistry</i> , 1998, 44, 141-147.	1.5	29
132	Simultaneous quantitative determination of norgestrel and progesterone in human serum by high-performance liquid chromatography-tandem mass spectrometry with atmospheric pressure chemical ionization. <i>Analyst</i> , 2000, 125, 2201-2205.	1.7	29
133	Determination of ethamsylate in pharmaceutical preparations based on an auto-oxidation chemiluminescence reaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 473-478.	1.4	29
134	A research on determination of explosive gases utilizing cataluminescence sensor array. <i>Luminescence</i> , 2005, 20, 243-250.	1.5	29
135	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, 321-328.	1.7	29
136	Homogeneous multiplexed digital detection of microRNA with ligation-rolling circle amplification. <i>Chemical Communications</i> , 2020, 56, 5409-5412.	2.2	29
137	Chemical speciation of arsenic in serum of uraemic patients. <i>Analyst</i> , 1998, 123, 13-17.	1.7	27
138	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.	4.0	27
139	Functional and structural evaluation of cysteine residues in the human arsenic (+3 oxidation state) methyltransferase (hAS3MT). <i>Biochimie</i> , 2011, 93, 369-375.	1.3	26
140	In Situ Ion-Transmission Mass Spectrometry for Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2016, 88, 10805-10810.	3.2	26
141	Single nanoporous gold nanowire as a tunable one-dimensional platform for plasmon-enhanced fluorescence. <i>Chemical Communications</i> , 2016, 52, 1808-1811.	2.2	26
142	Recognition of organic compounds in aqueous solutions by chemiluminescence on an array of catalytic nanoparticles. <i>Analyst</i> , 2009, 134, 2441.	1.7	25
143	New insights into the mechanism of arsenite methylation with the recombinant human arsenic (+3) methyltransferase (hAS3MT). <i>Biochimie</i> , 2010, 92, 1397-1406.	1.3	25
144	An iridium complex-based probe for photoluminescence lifetime imaging of human carboxylesterase 2 in living cells. <i>Chemical Communications</i> , 2018, 54, 9027-9030.	2.2	24

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145	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, 485-496.	1.1	23
146	Detection of N,N-diphenyl-N,N-dimethylurea (methyl centralite) in gunshot residues using MS-MS method. <i>Analyst, The</i> , 1999, 124, 1563-1567.	1.7	22
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