

# Xinrong Zhang

## List of Publications by Citations

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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 | Low-temperature plasma probe for ambient desorption ionization. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 9097-1004   | 7.8  | 580       |
| 232 | Horseradish peroxidase functionalized fluorescent gold nanoclusters for hydrogen peroxide sensing. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1193-6   | 7.8  | 479       |
| 231 | Development of a dielectric barrier discharge ion source for ambient mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 1859-62  | 3.5  | 350       |
| 230 | Development of a gas sensor utilizing chemiluminescence on nanosized titanium dioxide. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 120-4  | 7.8  | 310       |
| 229 | Amino Acid-Assisted Hydrothermal Synthesis and Photocatalysis of SnO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 17893-17898   | 3.8  | 225       |
| 228 | Application of the biological conjugate between antibody and colloid Au nanoparticles as analyte to inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 96-9                                | 7.8  | 218       |
| 227 | Synthesis of Oil-Dispersible Hexagonal-Phase and Hexagonal-Shaped NaYF <sub>4</sub> :Yb,Er Nanoplates. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5733-5737  | 9.6  | 215       |
| 226 | 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> , <b>2007</b> , 79, 923-9 | 7.8  | 177       |
| 225 | Direct detection of explosives on solid surfaces by low temperature plasma desorption mass spectrometry. <i>Analyst, The</i> , <b>2009</b> , 134, 176-81  | 5    | 171       |
| 224 | Rapid screening of anabolic steroids in urine by reactive desorption electrospray ionization. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 8327-32   | 7.8  | 171       |
| 223 | Single cell analysis with probe ESI-mass spectrometry: detection of metabolites at cellular and subcellular levels. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3809-16   | 7.8  | 163       |
| 222 | 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> , <b>2007</b> , 42, 1079-85                               | 2.2  | 160       |
| 221 | Morphology- and phase-controlled synthesis of monodisperse lanthanide-doped NaGdF <sub>4</sub> nanocrystals with multicolor photoluminescence. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 489-496                      |      | 149       |
| 220 | Use of a solution cathode glow discharge for cold vapor generation of mercury with determination by ICP-atomic emission spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7043-50   | 7.8  | 144       |
| 219 | Recent developments in nanomaterial optical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 351-360   | 14.6 | 144       |
| 218 | A catalytic nanomaterial-based optical chemo-sensor array. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14420-1   | 16.4 | 135       |
| 217 | L-Cysteine-Assisted Synthesis and Optical Properties of Ag <sub>2</sub> S Nanospheres. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3580-3584  | 3.8  | 130       |

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| 216 | Growth and optical properties of wurtzite-type CdS nanocrystals. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5103-8   | 5.1  | 118 |
| 215 | Imaging mass spectrometry with a low-temperature plasma probe for the analysis of works of art. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4435-7  | 16.4 | 117 |
| 214 | Recent developments and applications of chemiluminescence sensors. <i>Analytica Chimica Acta</i> , <b>2005</b> , 541, 37-46  | 6.6  | 115 |
| 213 | SnO <sub>2</sub> /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> , <b>2007</b> , 18, 435707      | 3.4  | 114 |
| 212 | A novel combination of immunoreaction and ICP-MS as a hyphenated technique for the determination of thyroid-stimulating hormone (TSH) in human serum. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 1393-1396           | 3.7  | 114 |
| 211 | Rapid screening of gold catalysts by chemiluminescence-based array imaging. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6062-3  | 16.4 | 112 |
| 210 | Microplasma source based on a dielectric barrier discharge for the determination of mercury by atomic emission spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 8622-7  | 7.8  | 111 |
| 209 | Shape and magnetic properties of single-crystalline hematite (alpha-Fe <sub>2</sub> O <sub>3</sub> ) nanocrystals. <i>ChemPhysChem</i> , <b>2006</b> , 7, 1897-901   | 3.2  | 106 |
| 208 | Growth and photoluminescence properties of PbS nanocubes. <i>Nanotechnology</i> , <b>2006</b> , 17, 3280-3287  | 3.4  | 106 |
| 207 | Simultaneous determination of alpha-fetoprotein and free beta-human chorionic gonadotropin by element-tagged immunoassay with detection by inductively coupled plasma mass spectrometry. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 1214-21 | 5.5  | 106 |
| 206 | Chemiluminescence of sulfite based on auto-oxidation sensitized by rhodamine 6G. <i>Analytica Chimica Acta</i> , <b>1999</b> , 391, 95-100   | 6.6  | 106 |
| 205 | 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> , <b>2006</b> , 78, 865-72         | 7.8  | 102 |
| 204 | On-line monitoring of formaldehyde in air by cataluminescence-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 119, 392-397  | 8.5  | 101 |
| 203 | Aptamer-based plasmonic sensor array for discrimination of proteins and cells with the naked eye. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6571-4   | 7.8  | 100 |
| 202 | Metal Stable Isotope Tagging: Renaissance of Radioimmunoassay for Multiplex and Absolute Quantification of Biomolecules. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 775-83   | 24.3 | 98  |
| 201 | Synthesis and characterization of efficient near-infrared upconversion Yb and Tm codoped NaYF <sub>4</sub> nanocrystal reporter. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 427, 333-340   | 5.7  | 92  |
| 200 | A highly selective chemiluminescent H <sub>2</sub> S sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 102, 155-161   | 8.5  | 92  |
| 199 | Application of Multiwalled Carbon Nanotubes as a Solid-Phase Extraction Sorbent for Chlorobenzenes. <i>Analytical Letters</i> , <b>2004</b> , 37, 3085-3104  | 2.2  | 92  |

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| 198 | Assembling of Sulfur Quantum Dots in Fission of Sublimed Sulfur. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7878-7884  | 16.4 | 90 |
| 197 | A survey of arsenic species in Chinese seafood. <i>Food and Chemical Toxicology</i> , <b>2003</b> , 41, 1103-10  | 4.7  | 90 |
| 196 | Colorimetric protein sensing using catalytically amplified sensor arrays. <i>Small</i> , <b>2012</b> , 8, 3589-92  | 11   | 89 |
| 195 | Arsenic speciation in chinese seaweeds using HPLC-ICP-MS and HPLC-ES-MS. <i>Analyst, The</i> , <b>2002</b> , 127, 634-40   | 5    | 88 |
| 194 | Absolute and relative quantification of multiplex DNA assays based on an elemental labeling strategy. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1466-71   | 16.4 | 86 |
| 193 | Synthesis of ZrO <sub>2</sub> -carbon nanotube composites and their application as chemiluminescent sensor material for ethanol. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13410-4                               | 3.4  | 86 |
| 192 | Development of a chemiluminescence ethanol sensor based on nanosized ZrO <sub>2</sub> . <i>Analyst, The</i> , <b>2002</b> , 127, 792-6   | 5    | 86 |
| 191 | Nanosized SrCO <sub>3</sub> -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , <b>2002</b> , 466, 69-786.6   |      | 83 |
| 190 | Generation and optical properties of monodisperse wurtzite-type ZnS microspheres. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 7316-22   | 5.1  | 82 |
| 189 | Protein discrimination using fluorescent gold nanoparticles on plasmonic substrates. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4258-61   | 7.8  | 80 |
| 188 | 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> , <b>2009</b> , 20, 1096-103 | 3.5  | 79 |
| 187 | Discrimination and identification of flavors with catalytic nanomaterial-based optical chemosensor array. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 961-6  | 7.8  | 79 |
| 186 | One-step homogeneous DNA assay with single-nanoparticle detection. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3462-5   | 16.4 | 72 |
| 185 | Lab-on-graphene: graphene oxide as a triple-channel sensing device for protein discrimination. <i>Chemical Communications</i> , <b>2013</b> , 49, 81-3   | 5.8  | 70 |
| 184 | Birch reduction of benzene in a low-temperature plasma. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2017-9  | 16.4 | 70 |
| 183 | Rapid screening of active ingredients in drugs by mass spectrometry with low-temperature plasma probe. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 591-9  | 4.4  | 67 |
| 182 | l-Lysine-Assisted Synthesis of ZrO <sub>2</sub> Nanocrystals and Their Application in Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18259-18263  | 3.8  | 66 |
| 181 | Multiplex DNA assay based on nanoparticle probes by single particle inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3541-7   | 7.8  | 65 |

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|-----|---|------|----|
| 180 | Safety evaluation of organoarsenical species in edible Porphyra from the China Sea. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 5176-82   | 5.7  | 64 |
| 179 | Cataluminescence-based array imaging for high-throughput screening of heterogeneous catalysts. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 2092-7   | 7.8  | 62 |
| 178 | Real-time monitoring of chemical reactions by mass spectrometry utilizing a low-temperature plasma probe. <i>Analyst, The</i> , <b>2009</b> , 134, 1863-7   | 5    | 62 |
| 177 | Coating carbon nanotubes with metal oxides in a supercritical carbon dioxide-ethanol solution. <i>Carbon</i> , <b>2007</b> , 45, 2589-2596  | 10.4 | 62 |
| 176 | Polyol-mediated synthesis of water-soluble LaF <sub>3</sub> :Yb,Er upconversion fluorescent nanocrystals. <i>Materials Letters</i> , <b>2007</b> , 61, 1337-1340  | 3.3  | 61 |
| 175 | Development of dielectric-barrier-discharge ionization. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2345-64  | 4.4  | 60 |
| 174 | Desorption electrospray tandem MS (DESI-MSMS) analysis of methyl centralite and ethyl centralite as gunshot residues on skin and other surfaces. <i>Journal of Forensic Sciences</i> , <b>2008</b> , 53, 807-11                         | 1.8  | 59 |
| 173 | A novel gaseous acetaldehyde sensor utilizing cataluminescence on nanosized BaCO <sub>3</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 99, 30-35  | 8.5  | 59 |
| 172 | Rapid identification of bacterial biofilms and biofilm wound models using a multichannel nanosensor. <i>ACS Nano</i> , <b>2014</b> , 8, 12014-9   | 16.7 | 58 |
| 171 | Polyol-mediated synthesis and luminescence of lanthanide-doped NaYF <sub>4</sub> nanocrystal upconversion phosphors. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 455, 376-384  | 5.7  | 58 |
| 170 | A novel near-infrared fluorescent probe for selectively sensing nitroreductase (NTR) in an aqueous medium. <i>Analyst, The</i> , <b>2013</b> , 138, 1952-5  | 5    | 56 |
| 169 | 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> , <b>2008</b> , 63, 431-436 <sup>3.1</sup>    |      | 55 |
| 168 | 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> , <b>2006</b> , 61, 916-921 | 3.1  | 54 |
| 167 | Electron transfer dissociation (ETD) of peptides containing intrachain disulfide bonds. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 310-20   | 3.5  | 53 |
| 166 | Multiplex miRNA assay using lanthanide-tagged probes and the duplex-specific nuclease amplification strategy. <i>Chemical Communications</i> , <b>2016</b> , 52, 14310-14313  | 5.8  | 51 |
| 165 | Identification and Quantitation of C?C Location Isomers of Unsaturated Fatty Acids by Epoxidation Reaction and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10270-10278                                    | 7.8  | 51 |
| 164 | Evaluation of a hydride generation-atomic fluorescence system for the determination of arsenic using a dielectric barrier discharge atomizer. <i>Analytica Chimica Acta</i> , <b>2008</b> , 607, 136-41                                 | 6.6  | 51 |
| 163 | Arsenic speciation in moso bamboo shoot--a terrestrial plant that contains organoarsenic species. <i>Science of the Total Environment</i> , <b>2006</b> , 371, 293-303  | 10.2 | 50 |

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|-----|--|------|----|
| 162 | Simultaneous Imaging of Three Tumor-Related mRNAs in Living Cells with a DNA Tetrahedron-Based Multicolor Nanoprobe. <i>ACS Sensors</i> , <b>2017</b> , 2, 735-739   | 9.2  | 49 |
| 161 | Pulsed Direct Current Electrospray: Enabling Systematic Analysis of Small Volume Sample by Boosting Sample Economy. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11242-8  | 7.8  | 49 |
| 160 | Determination of diphenylamine stabilizer and its nitrated derivatives in smokeless gunpowder using a tandem MS method. <i>Analyt, The</i> , <b>2001</b> , 126, 480-4  | 5    | 49 |
| 159 | Development of a plasma-assisted cataluminescence system for benzene, toluene, ethylbenzene, and xylenes analysis. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3457-9  | 7.8  | 46 |
| 158 | Rapid removal of matrices from small-volume samples by step-voltage nanoelectrospray. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11025-8   | 16.4 | 45 |
| 157 | Low selenium status affects arsenic metabolites in an arsenic exposed population with skin lesions. <i>Clinica Chimica Acta</i> , <b>2008</b> , 387, 139-44  | 6.2  | 45 |
| 156 | Rapid screening of clenbuterol in urine samples by desorption electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 1882-8  | 2.2  | 45 |
| 155 | Development of a detector for liquid chromatography based on aerosol chemiluminescence on porous alumina. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 1518-25  | 7.8  | 45 |
| 154 | Photoluminescence Lifetime Imaging of Synthesized Proteins in Living Cells Using an Iridium-Alkyne Probe. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14928-14932   | 16.4 | 44 |
| 153 | Dual-channel sensing of volatile organic compounds with semiconducting nanoparticles. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 66-8   | 7.8  | 44 |
| 152 | Development of a luminol-based chemiluminescence flow-injection method for the determination of dichlorvos pesticide. <i>Talanta</i> , <b>2001</b> , 54, 1185-93   | 6.2  | 43 |
| 151 | Combination of Droplet Extraction and Pico-ESI-MS Allows the Identification of Metabolites from Single Cancer Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9897-9903   | 7.8  | 42 |
| 150 | An instrumentation perspective on reaction monitoring by ambient mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 35, 50-66   | 14.6 | 42 |
| 149 | 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> , <b>1997</b> , 12, 1047-1052 | 3.7  | 42 |
| 148 | Versatile platform employing desorption electrospray ionization mass spectrometry for high-throughput analysis. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6131-6   | 7.8  | 42 |
| 147 | A nanosized Y(2)O(3)-based catalytic chemiluminescent sensor for trimethylamine. <i>Talanta</i> , <b>2005</b> , 65, 913-7  | 6.2  | 41 |
| 146 | An energy-transfer cataluminescence reaction on nanosized catalysts and its application to chemical sensors. <i>Analytica Chimica Acta</i> , <b>2005</b> , 535, 145-152  | 6.6  | 40 |
| 145 | A novel gaseous ester sensor utilizing chemiluminescence on nano-sized SiO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 461-466  | 8.5  | 38 |

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| 144 | Development of an aerosol chemiluminescent detector coupled to capillary electrophoresis for saccharide analysis. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 7356-65   | 7.8 | 37 |
| 143 | Flow-Injection Chemiluminescence Determination of Fluoroquinolones. <i>Analytical Letters</i> , <b>2000</b> , 33, 1117-1129   | 7.1 | 37 |
| 142 | Chemiluminescence flow-injection determination of furosemide based on a rhodamine 6G sensitized cerium(IV) method. <i>Analytica Chimica Acta</i> , <b>1999</b> , 396, 273-277   | 6.6 | 37 |
| 141 | Multicolor imaging of cancer cells with fluorophore-tagged aptamers for single cell typing. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8261-6  | 7.8 | 34 |
| 140 | Depth profiling of nanometer coatings by low temperature plasma probe combined with inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5872-7  | 7.8 | 34 |
| 139 | ICP-MS-based competitive immunoassay for the determination of total thyroxin in human serum. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 1304-1307   | 3.7 | 34 |
| 138 | Facile preparation of paper substrates coated with different materials and their applications in paper spray mass spectrometry. <i>Analytical Methods</i> , <b>2015</b> , 7, 5381-5386  | 3.2 | 33 |
| 137 | Sensitive sandwich immunoassay based on single particle mode inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , <b>2010</b> , 83, 48-54   | 6.2 | 33 |
| 136 | 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> , <b>2010</b> , 65, 1056-1060 | 3.1 | 33 |
| 135 | l-Cysteine-Assisted Self-Assembly of Complex PbS Structures. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3935-3940  | 3.4 | 33 |
| 134 | Determination of NH <sub>3</sub> gas by combination of nanosized LaCoO <sub>3</sub> converter with chemiluminescence detector. <i>Talanta</i> , <b>2003</b> , 61, 157-64  | 6.2 | 33 |
| 133 | A Highly Sensitive Chemiluminescent Probe for Detecting Nitroreductase and Imaging in Living Animals. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1384-1390   | 7.8 | 33 |
| 132 | Rapid Analysis of Unsaturated Fatty Acids on Paper-Based Analytical Devices via Online Epoxidation and Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2070-2078   | 7.8 | 32 |
| 131 | Determination of bismuth in solid samples by hydride generation atomic fluorescence spectrometry with a dielectric barrier discharge atomizer. <i>Talanta</i> , <b>2009</b> , 80, 139-42  | 6.2 | 32 |
| 130 | Determination of ofloxacin using a chemiluminescence flow-injection method. <i>Analytica Chimica Acta</i> , <b>2000</b> , 416, 227-230  | 6.6 | 32 |
| 129 | A ratiometric strategy to detect hydrogen sulfide with a gold nanoclusters based fluorescent probe. <i>Talanta</i> , <b>2016</b> , 154, 190-6   | 6.2 | 32 |
| 128 | Label-free Mass Cytometry for Unveiling Cellular Metabolic Heterogeneity. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9777-9783   | 7.8 | 31 |
| 127 | Shape controlled synthesis of superhydrophobic zinc coordination polymers particles and their calcination to superhydrophobic ZnO. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8633   |     | 31 |

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| 126 | Coupling a solid phase microextraction (SPME) probe with ambient MS for rapid enrichment and detection of phosphopeptides in biological samples. <i>Analyst, The</i> , <b>2015</b> , 140, 2599-602   | 5   | 30 |
| 125 | A Novel Chemiluminescent Probe Based on 1,2-Dioxetane Scaffold for Imaging Cysteine in Living Mice. <i>ACS Sensors</i> , <b>2019</b> , 4, 87-92  | 9.2 | 30 |
| 124 | Low temperature hydrogen plasma assisted chemical vapor generation for Atomic Fluorescence Spectrometry. <i>Talanta</i> , <b>2014</b> , 126, 1-7   | 6.2 | 29 |
| 123 | Biomineralization and superhydrophobicity of BaCO <sub>3</sub> complex nanostructures. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10326-9  | 5.1 | 29 |
| 122 | Chemical-Modified Nucleotide-Based Elemental Tags for High-Sensitive Immunoassay. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5980-5986  | 7.8 | 28 |
| 121 | A chemiluminescence sensor array for discriminating natural sugars and artificial sweeteners. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 389-95  | 4.4 | 28 |
| 120 | In vivo nanoelectrospray for the localization of bioactive molecules in plants by mass spectrometry. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3058-62   | 7.8 | 28 |
| 119 | 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> , <b>2009</b> , 179, 321-8                        | 5   | 28 |
| 118 | Chemiluminescence determination of tiopronin by flow injection analysis based on cerium(IV) oxidation sensitized by quinine. <i>Analyst, The</i> , <b>1997</b> , 122, 103-6  | 5   | 28 |
| 117 | Chemiluminescence analysis of menadione sodium bisulfite and analgin in pharmaceutical preparations and biological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 21, 817-25                                 | 3.5 | 28 |
| 116 | A combinatorial immunoassay for multiple biomarkers via a stable isotope tagging strategy. <i>Chemical Communications</i> , <b>2017</b> , 53, 13075-13078  | 5.8 | 27 |
| 115 | Development of a sensitive gas sensor by trapping the analytes on nanomaterials and in situ cataluminescence detection. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 141, 168-173  | 8.5 | 27 |
| 114 | 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> , <b>2010</b> , 24, 742-8                                       | 2.2 | 27 |
| 113 | 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> , <b>1998</b> , 13, 205-207 | 3.7 | 27 |
| 112 | Determination of ethamsylate in pharmaceutical preparations based on an auto-oxidation chemiluminescence reaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 30, 473-8  | 3.5 | 27 |
| 111 | A research on determination of explosive gases utilizing cataluminescence sensor array. <i>Luminescence</i> , <b>2005</b> , 20, 243-50   | 2.5 | 26 |
| 110 | Speciation of toxicologically important arsenic species in human serum by liquid chromatography-hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1996</b> , 11, 1075-1079              | 3.7 | 26 |
| 109 | Desalting by crystallization: detection of attomole biomolecules in picoliter buffers by mass spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9745-51  | 7.8 | 25 |



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| 108 | 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, The</i> , <b>2000</b> , 125, 2201-5 | 5   | 25 |
| 107 | Study of arsenic-protein binding in serum of patients on continuous ambulatory peritoneal dialysis. <i>Clinical Chemistry</i> , <b>1998</b> , 44, 141-147   | 5.5 | 25 |
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