

# Lingxin Chen

## List of Publications by Year in descending order

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454  
papers

36,749  
citations

1893

102  
h-index

4991

167  
g-index

465  
all docs

465  
docs citations

465  
times ranked

29266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular imprinting: perspectives and applications. <i>Chemical Society Reviews</i> , 2016, 45, 2137-2211.	38.1	1,788
2	Recent advances in molecular imprinting technology: current status, challenges and highlighted applications. <i>Chemical Society Reviews</i> , 2011, 40, 2922.	38.1	1,509
3	SERS Tags: Novel Optical Nanoprobes for Bioanalysis. <i>Chemical Reviews</i> , 2013, 113, 1391-1428.	47.7	1,170
4	Fluorescent chemical probes for accurate tumor diagnosis and targeting therapy. <i>Chemical Society Reviews</i> , 2017, 46, 2237-2271.	38.1	658
5	Chemical Basis of Interactions Between Engineered Nanoparticles and Biological Systems. <i>Chemical Reviews</i> , 2014, 114, 7740-7781.	47.7	478
6	World's largest macroalgal bloom caused by expansion of seaweed aquaculture in China. <i>Marine Pollution Bulletin</i> , 2009, 58, 888-895.	5.0	446
7	Microorganism remediation strategies towards heavy metals. <i>Chemical Engineering Journal</i> , 2019, 360, 1553-1563.	12.7	424
8	Fluorescent probes for hydrogen sulfide detection and bioimaging. <i>Chemical Communications</i> , 2014, 50, 12234-12249.	4.1	381
9	Molecular Imprinting: Green Perspectives and Strategies. <i>Advanced Materials</i> , 2021, 33, e2100543.	21.0	359
10	Strategies of molecular imprinting-based solid-phase extraction prior to chromatographic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115923.	11.4	313
11	Recent advances in solid-phase sorbents for sample preparation prior to chromatographic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 26-41.	11.4	312
12	Hydrophilic Multitemplate Molecularly Imprinted Biopolymers Based on a Green Synthesis Strategy for Determination of B-Family Vitamins. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4140-4150.	8.0	310
13	Simultaneous Detection of Dual Prostate Specific Antigens Using Surface-Enhanced Raman Scattering-Based Immunoassay for Accurate Diagnosis of Prostate Cancer. <i>ACS Nano</i> , 2017, 11, 4926-4933.	14.6	305
14	A SERS-based lateral flow assay biosensor for highly sensitive detection of HIV-1 DNA. <i>Biosensors and Bioelectronics</i> , 2016, 78, 530-537.	10.1	304
15	Dummy molecularly imprinted polymers based on a green synthesis strategy for magnetic solid-phase extraction of acrylamide in food samples. <i>Talanta</i> , 2019, 195, 390-400.	5.5	302
16	Quantum dots, lighting up the research and development of nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 385-402.	3.3	297
17	Blue-to-Red Colorimetric Sensing Strategy for Hg <sup>2+</sup> and Ag <sup>+</sup> via Redox-Regulated Surface Chemistry of Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1568-1573.	8.0	291
18	Strategies of molecular imprinting-based fluorescence sensors for chemical and biological analysis. <i>Biosensors and Bioelectronics</i> , 2018, 112, 54-71.	10.1	288

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19	Plasmonic colorimetric sensors based on etching and growth of noble metal nanoparticles: Strategies and applications. <i>Biosensors and Bioelectronics</i> , 2018, 114, 52-65.	10.1	281
20	Dummy Molecularly Imprinted Polymers-Capped CdTe Quantum Dots for the Fluorescent Sensing of 2,4,6-Trinitrotoluene. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8146-8154.	8.0	263
21	Magnetic copper-based metal organic framework as an effective and recyclable adsorbent for removal of two fluoroquinolone antibiotics from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 360-371.	9.4	244
22	A highly selective turn-on near-infrared fluorescent probe for hydrogen sulfide detection and imaging in living cells. <i>Chemical Communications</i> , 2012, 48, 11757.	4.1	237
23	Vanillin cross-linked chitosan microspheres for controlled release of resveratrol. <i>Food Chemistry</i> , 2010, 121, 23-28.	8.2	235
24	Current status and challenges of ion imprinting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13598-13627.	10.3	234
25	Recurrence of the world's largest green-tide in 2009 in Yellow Sea, China: Porphyra yezoensis aquaculture rafts confirmed as nursery for macroalgal blooms. <i>Marine Pollution Bulletin</i> , 2010, 60, 1423-1432.	5.0	230
26	Nanomaterial-assisted aptamers for optical sensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1859-1868.	10.1	229
27	Determination of 16 polycyclic aromatic hydrocarbons in environmental water samples by solid-phase extraction using multi-walled carbon nanotubes as adsorbent coupled with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 5462-5469.	3.7	229
28	Colorimetric Detection of Mercury Species Based on Functionalized Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15897-15904.	8.0	216
29	Highly Sensitive and Selective Colorimetric Sensing of Hg <sup>2+</sup> Based on the Morphology Transition of Silver Nanoprisms. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 284-290.	8.0	214
30	Highly Sensitive SERS Detection of As <sup>3+</sup> Ions in Aqueous Media using Glutathione Functionalized Silver Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 3936-3941.	8.0	213
31	Simultaneous Detection of Dual Nucleic Acids Using a SERS-Based Lateral Flow Assay Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 1163-1169.	6.5	208
32	Recent advances in surface-enhanced Raman scattering detection technology for microfluidic chips. <i>Electrophoresis</i> , 2008, 29, 1815-1828.	2.4	206
33	Quercetin molecularly imprinted polymers: Preparation, recognition characteristics and properties as sorbent for solid-phase extraction. <i>Talanta</i> , 2009, 80, 694-702.	5.5	204
34	Novel Pb <sup>2+</sup> Ion Imprinted Polymers Based on Ionic Interaction via Synergy of Dual Functional Monomers for Selective Solid-Phase Extraction of Pb <sup>2+</sup> in Water Samples. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 305-313.	8.0	203
35	Nanomaterial-based optical sensors for mercury ions. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 175-190.	11.4	201
36	Molecular fluorescent probes for monitoring pH changes in living cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1004-1013.	11.4	197

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37	Surface-enhanced Raman scattering in nanoliter droplets: towards high-sensitivity detection of mercury (II) ions. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1827-1832.	3.7	194
38	Three-dimensional paper-based microfluidic chip device for multiplexed fluorescence detection of Cu <sup>2+</sup> and Hg <sup>2+</sup> ions based on ion imprinting technology. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 224-233.	7.8	189
39	Label-free SERS detection of Raman-Inactive protein biomarkers by Raman reporter indicator: Toward ultrasensitivity and universality. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112825.	10.1	181
40	Near-Infrared Fluorescent Probe for Imaging Mitochondrial Hydrogen Polysulfides in Living Cells and in Vivo. <i>Analytical Chemistry</i> , 2015, 87, 3631-3638.	6.5	176
41	Graphene Oxide Wrapped SERS Tags: Multifunctional Platforms toward Optical Labeling, Photothermal Ablation of Bacteria, and the Monitoring of Killing Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1320-1329.	8.0	172
42	Iodine-Mediated Etching of Gold Nanorods for Plasmonic ELISA Based on Colorimetric Detection of Alkaline Phosphatase. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27639-27645.	8.0	170
43	Molecularly imprinted core-shell nanoparticles for determination of trace atrazine by reversible addition-fragmentation chain transfer surface imprinting. <i>Journal of Materials Chemistry</i> , 2011, 21, 4346.	6.7	168
44	Water-compatible temperature and magnetic dual-responsive molecularly imprinted polymers for recognition and extraction of bisphenol A. <i>Journal of Chromatography A</i> , 2016, 1435, 30-38.	3.7	165
45	One-pot synthesis of magnetic iron oxide nanoparticle-multiwalled carbon nanotube composites for enhanced removal of Cr(VI) from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1134-1146.	9.4	165
46	Survey of the Chemical Defence Potential of Diatoms: Screening of Fifty Species for $\hat{1}\pm, \hat{1}2, \hat{1}3, \hat{1}'$ -unsaturated aldehydes. <i>Journal of Chemical Ecology</i> , 2005, 31, 949-958.	1.8	158
47	Molecular Imprinting Based Hybrid Ratiometric Fluorescence Sensor for the Visual Determination of Bovine Hemoglobin. <i>ACS Sensors</i> , 2018, 3, 378-385.	7.8	157
48	Metal organic frameworks (MOFs) for magnetic solid-phase extraction of pyrazole/pyrrole pesticides in environmental water samples followed by HPLC-DAD determination. <i>Talanta</i> , 2016, 161, 686-692.	5.5	156
49	Fast and sensitive trace analysis of malachite green using a surface-enhanced Raman microfluidic sensor. <i>Analytica Chimica Acta</i> , 2007, 590, 139-144.	5.4	154
50	Bacteria-mediated bisphenol A degradation. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5681-5689.	3.6	154
51	Near-Infrared Fluorescence Probe for in Situ Detection of Superoxide Anion and Hydrogen Polysulfides in Mitochondrial Oxidative Stress. <i>Analytical Chemistry</i> , 2016, 88, 4122-4129.	6.5	154
52	A dual response near-infrared fluorescent probe for hydrogen polysulfides and superoxide anion detection in cells and in Vivo. <i>Biomaterials</i> , 2015, 63, 93-101.	11.4	153
53	A molecular imprinting-based turn-on Ratiometric fluorescence sensor for highly selective and sensitive detection of 2,4-dichlorophenoxyacetic acid (2,4-D). <i>Biosensors and Bioelectronics</i> , 2016, 81, 438-444.	10.1	153
54	Colorimetric Detection of Trace Copper Ions Based on Catalytic Leaching of Silver-Coated Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 4215-4220.	8.0	152

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55	Magnetic solid-phase extraction of heterocyclic pesticides in environmental water samples using metal-organic frameworks coupled to high performance liquid chromatography determination. <i>Journal of Chromatography A</i> , 2018, 1553, 57-66.	3.7	151
56	Occurrence of parabens in foodstuffs from China and its implications for human dietary exposure. <i>Environment International</i> , 2013, 57-58, 68-74.	10.0	150
57	Determination of 16 polycyclic aromatic hydrocarbons in seawater using molecularly imprinted solid-phase extraction coupled with gas chromatography-mass spectrometry. <i>Talanta</i> , 2012, 99, 75-82.	5.5	149
58	Hydrophilic molecularly imprinted nanospheres for the extraction of rhodamine B followed by HPLC analysis: A green approach and hazardous waste elimination. <i>Talanta</i> , 2020, 215, 120933.	5.5	148
59	Stimuli-responsive molecularly imprinted polymers: versatile functional materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4406.	5.5	147
60	SERS imaging of HER2-overexpressed MCF7 cells using antibody-conjugated gold nanorods. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7444.	2.8	145
61	“Turn-on” Fluorescence Detection of Lead Ions Based on Accelerated Leaching of Gold Nanoparticles on the Surface of Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1080-1086.	8.0	143
62	Highly sensitive on-site detection of glucose in human urine with naked eye based on enzymatic-like reaction mediated etching of gold nanorods. <i>Biosensors and Bioelectronics</i> , 2017, 89, 932-936.	10.1	143
63	A Three-Dimensional Origami Paper-Based Device for Potentiometric Biosensing. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13033-13037.	13.8	142
64	Rotational Paper-Based Microfluidic-Chip Device for Multiplexed and Simultaneous Fluorescence Detection of Phenolic Pollutants Based on a Molecular-Imprinting Technique. <i>Analytical Chemistry</i> , 2018, 90, 11827-11834.	6.5	140
65	Greenificated Molecularly Imprinted Materials for Advanced Applications. <i>Advanced Materials</i> , 2022, 34, .	21.0	140
66	Molecular-Imprinting-Based Surface-Enhanced Raman Scattering Sensors. <i>ACS Sensors</i> , 2020, 5, 601-619.	7.8	139
67	A novel dual-ratiometric-response fluorescent probe for SO <sub>2</sub> /ClO <sup>•</sup> detection in cells and in vivo and its application in exploring the dichotomous role of SO <sub>2</sub> under the ClO <sup>•</sup> induced oxidative stress. <i>Biomaterials</i> , 2017, 133, 82-93.	11.4	136
68	A turn-on fluorescent probe based on hydroxylamine oxidation for detecting ferric ion selectively in living cells. <i>Chemical Communications</i> , 2012, 48, 5310.	4.1	135
69	A microfluidic device based on gravity and electric force driving for flow cytometry and fluorescence activated cell sorting. <i>Lab on A Chip</i> , 2004, 4, 603.	6.0	132
70	A functional graphene oxide-ionic liquid composites “gold nanoparticle sensing platform for ultrasensitive electrochemical detection of Hg <sup>2+</sup> . <i>Analyst</i> , The, 2013, 138, 1091.	3.5	130
71	Highly Sensitive Visual Detection of Copper Ions Based on the Shape-Dependent LSPR Spectroscopy of Gold Nanorods. <i>Langmuir</i> , 2014, 30, 3625-3630.	3.5	129
72	Quantum Dots Based Mesoporous Structured Imprinting Microspheres for the Sensitive Fluorescent Detection of Phycocyanin. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9118-9127.	8.0	128

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73	Preparation of highly sensitive Pt nanoparticles-carbon quantum dots/ionic liquid functionalized graphene oxide nanocomposites and application for H <sub>2</sub> O <sub>2</sub> detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1500-1506.	7.8	128
74	Novel Hg <sup>2+</sup> -imprinted polymers based on thymine-Hg <sup>2+</sup> -thymine interaction for highly selective preconcentration of Hg <sup>2+</sup> in water samples. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 347-354.	12.4	127
75	Label-free colorimetric sensor for ultrasensitive detection of heparin based on color quenching of gold nanorods by graphene oxide. <i>Biosensors and Bioelectronics</i> , 2012, 34, 227-231.	10.1	125
76	Quantum Dot-Based Molecularly Imprinted Polymers on Three-Dimensional Origami Paper Microfluidic Chip for Fluorescence Detection of Phycocyanin. <i>ACS Sensors</i> , 2017, 2, 243-250.	7.8	123
77	One-pot synthesis of a quantum dot-based molecular imprinting nanosensor for highly selective and sensitive fluorescence detection of 4-nitrophenol in environmental waters. <i>Environmental Science: Nano</i> , 2017, 4, 493-502.	4.3	121
78	The strategy of antibody-free biomarker analysis by in-situ synthesized molecularly imprinted polymers on movable valve paper-based device. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111533.	10.1	120
79	Hydrophilic Multitemplate Molecularly Imprinted Biopolymers Based on a Green Synthesis Strategy for Determination of B-Family Vitamins. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4140-4150.	8.0	120
80	Characterization of a marine-isolated mercury-resistant <i>Pseudomonas putida</i> strain SP1 and its potential application in marine mercury reduction. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1305-1314.	3.6	119
81	A near-infrared ratiometric fluorescent probe for cysteine detection over glutathione indicating mitochondrial oxidative stress in vivo. <i>Biosensors and Bioelectronics</i> , 2015, 74, 156-164.	10.1	119
82	Optical Nanoprobes for Ultrasensitive Immunoassay. <i>Analytical Chemistry</i> , 2017, 89, 124-137.	6.5	119
83	Off-On-based fluorescent chemosensor for Cu <sup>2+</sup> in aqueous media and living cells. <i>Talanta</i> , 2011, 85, 1627-1633.	5.5	118
84	Molecular imprinting technology for microorganism analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 190-201.	11.4	118
85	Highly sensitive and selective colorimetric and off-on fluorescent probe for Cu <sup>2+</sup> based on rhodamine derivative. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5277.	2.8	117
86	SERS imaging-based aptasensor for ultrasensitive and reproducible detection of influenza virus A. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112496.	10.1	117
87	Fluorescent probe for mercury ion imaging analysis: Strategies and applications. <i>Chemical Engineering Journal</i> , 2021, 406, 127166.	12.7	117
88	Label-free colorimetric detection of trace cholesterol based on molecularly imprinted photonic hydrogels. <i>Journal of Materials Chemistry</i> , 2011, 21, 19267.	6.7	116
89	Mesoporous silica-coated gold nanorods: towards sensitive colorimetric sensing of ascorbic acid via target-induced silver overcoating. <i>Nanoscale</i> , 2011, 3, 1756.	5.6	116
90	Visualization of nitroxyl (HNO) in vivo via a lysosome-targetable near-infrared fluorescent probe. <i>Chemical Communications</i> , 2014, 50, 14253-14256.	4.1	116

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91	Ternary Emission of a Blue-, Green-, and Red-Based Molecular Imprinting Fluorescence Sensor for the Multiplexed and Visual Detection of Bovine Hemoglobin. <i>Analytical Chemistry</i> , 2019, 91, 6561-6568.	6.5	113
92	A pH-responsive nano-carrier with mesoporous silica nanoparticles cores and poly(acrylic acid) shell-layers: Fabrication, characterization and properties for controlled release of salidoside. <i>International Journal of Pharmaceutics</i> , 2013, 446, 153-159.	5.2	112
93	Multi-template imprinted polymers for simultaneous selective solid-phase extraction of six phenolic compounds in water samples followed by determination using capillary electrophoresis. <i>Journal of Chromatography A</i> , 2017, 1483, 30-39.	3.7	110
94	Upconversion Fluorescence-SERS Dual-Mode Tags for Cellular and in Vivo Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5152-5160.	8.0	109
95	A ratiometric fluorescent probe for imaging and quantifying anti-apoptotic effects of GSH under temperature stress. <i>Chemical Science</i> , 2017, 8, 6991-7002.	7.4	109
96	Ratiometric fluorescence sensor based on dithiothreitol modified carbon dots-gold nanoclusters for the sensitive detection of mercury ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 810-817.	7.8	109
97	Simultaneous bioremediation and biodetection of mercury ion through surface display of carboxylesterase E2 from <i>Pseudomonas aeruginosa</i> PA1. <i>Water Research</i> , 2016, 103, 383-390.	11.3	108
98	Molecularly imprinted polymers by reversible addition-fragmentation chain transfer precipitation polymerization for preconcentration of atrazine in food matrices. <i>Talanta</i> , 2011, 85, 282-289.	5.5	107
99	Synthesis of Large-Size $1\text{Å}^2$ $\text{ReS}_2$ $\times$ $\text{SeS}_2$ Alloy Monolayer with Tunable Bandgap and Carrier Type. <i>Advanced Materials</i> , 2017, 29, 1705015.	21.0	107
100	A graphene oxide/gold nanoparticle-based amplification method for SERS immunoassay of cardiac troponin I. <i>Analyst</i> , 2019, 144, 1582-1589.	3.5	107
101	Salting-out assisted liquid-liquid extraction with the aid of experimental design for determination of benzimidazole fungicides in high salinity samples by high-performance liquid chromatography. <i>Talanta</i> , 2013, 106, 119-126.	5.5	105
102	Green multi-functional monomer based ion imprinted polymers for selective removal of copper ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 376-386.	9.4	105
103	Biocompatible Triplex $\text{Ag}@/\text{SiO}_2/\text{mTiO}_2$ Core-Shell Nanoparticles for Simultaneous Fluorescence-SERS Bimodal Imaging and Drug Delivery. <i>Chemistry - A European Journal</i> , 2012, 18, 5935-5943.	3.3	104
104	A highly selective and sensitive colorimetric sensor for iodide detection based on anti-aggregation of gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 482-488.	7.8	104
105	Molecularly imprinted polymers-coated gold nanoclusters for fluorescent detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 507-514.	7.8	104
106	Determination of six sulfonylurea herbicides in environmental water samples by magnetic solid-phase extraction using multi-walled carbon nanotubes as adsorbents coupled with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1466, 12-20.	3.7	104
107	A microfluidic device using a green organic light emitting diode as an integrated excitation source. <i>Lab on A Chip</i> , 2005, 5, 1041.	6.0	102
108	Preparation of hollow porous molecularly imprinted polymers and their applications to solid-phase extraction of triazines in soil samples. <i>Journal of Materials Chemistry</i> , 2011, 21, 12047.	6.7	102

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109	Dual-template molecularly imprinted polymers for dispersive solid-phase extraction of fluoroquinolones in water samples coupled with high performance liquid chromatography. <i>Analyst, The</i> , 2019, 144, 1292-1302.	3.5	102
110	ZnSe quantum dot based ion imprinting technology for fluorescence detecting cadmium and lead ions on a three-dimensional rotary paper-based microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127462.	7.8	102
111	A fast and low-cost spray method for prototyping and depositing surface-enhanced Raman scattering arrays on microfluidic paper based device. <i>Electrophoresis</i> , 2013, 34, 2162-2168.	2.4	101
112	Quantification of cysteine hydropersulfide with a ratiometric near-infrared fluorescent probe based on selenium-sulfur exchange reaction. <i>Chemical Science</i> , 2016, 7, 5098-5107.	7.4	101
113	Rapid detection of melamine with 4-mercaptopyridine-modified gold nanoparticles by surface-enhanced Raman scattering. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 333-338.	3.7	100
114	Recent advances in enrichment techniques for trace analysis in capillary electrophoresis. <i>Electrophoresis</i> , 2012, 33, 2933-2952.	2.4	100
115	Human impacts on polycyclic aromatic hydrocarbon distribution in Chinese intertidal zones. <i>Nature Sustainability</i> , 2020, 3, 878-884.	23.7	100
116	SERS-based test strips: Principles, designs and applications. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113360.	10.1	100
117	Mesoporous titania based yolk-shell nanoparticles as multifunctional theranostic platforms for SERS imaging and chemo-photothermal treatment. <i>Nanoscale</i> , 2014, 6, 14514-14522.	5.6	99
118	A mitochondrial-targeting near-infrared fluorescent probe for bioimaging and evaluating endogenous superoxide anion changes during ischemia/reperfusion injury. <i>Biomaterials</i> , 2018, 156, 134-146.	11.4	99
119	Rotational paper-based electrochemiluminescence immunodevices for sensitive and multiplexed detection of cancer biomarkers. <i>Analytica Chimica Acta</i> , 2018, 1007, 33-39.	5.4	94
120	Highly sensitive label-free colorimetric sensing of nitrite based on etching of gold nanorods. <i>Analyst, The</i> , 2012, 137, 5197.	3.5	93
121	Fenton-like Reaction-Mediated Etching of Gold Nanorods for Visual Detection of Co <sup>2+</sup> . <i>Langmuir</i> , 2015, 31, 643-650.	3.5	93
122	A molecular imprinting fluorescence sensor based on quantum dots and a mesoporous structure for selective and sensitive detection of 2,4-dichlorophenoxyacetic acid. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 934-943.	7.8	93
123	Chemical Vapor Deposition Growth of High Crystallinity Sb <sub>2</sub> Se <sub>3</sub> Nanowire with Strong Anisotropy for Near-Infrared Photodetectors. <i>Small</i> , 2019, 15, e1805307.	10.0	93
124	Sensitive Near-Infrared Fluorescent Probes for Thiols Based on Se-N Bond Cleavage: Imaging in Living Cells and Tissues. <i>Chemistry - A European Journal</i> , 2012, 18, 11343-11349.	3.3	91
125	Microfluidic paper-based chips in rapid detection: Current status, challenges, and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116371.	11.4	90
126	Associated Detection of Superoxide Anion and Mercury(II) under Chronic Mercury Exposure in Cells and Mice Models via a Three-Channel Fluorescent Probe. <i>Analytical Chemistry</i> , 2018, 90, 9769-9778.	6.5	89



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127	Ratiometric fluorescence and colorimetry dual-mode assay based on manganese dioxide nanosheets for visual detection of alkaline phosphatase activity. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127176.	7.8	89
128	Cancer-Targeting Multifunctionalized Gold Nanoparticles in Imaging and Therapy. <i>Current Medicinal Chemistry</i> , 2011, 18, 2086-2102.	2.4	88
129	Selective Solid-Phase Extraction of Sudan I in Chili Sauce by Single-Hole Hollow Molecularly Imprinted Polymers. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 180-187.	5.2	87
130	Chemical redox-regulated mesoporous silica-coated goldnanorods for colorimetric probing of Hg <sup>2+</sup> and S <sup>2-</sup> . <i>Analyst</i> , The, 2011, 136, 174-178.	3.5	86
131	Improved assessment of accuracy and performance using a rotational paper-based device for multiplexed detection of heavy metals. <i>Talanta</i> , 2018, 178, 426-431.	5.5	86
132	Cationic metal-organic frameworks as an efficient adsorbent for the removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions. <i>Environmental Research</i> , 2020, 186, 109542.	7.5	86
133	A simple and sensitive colorimetric method for detection of mercury ions based on anti-aggregation of gold nanoparticles. <i>Analytical Methods</i> , 2012, 4, 488.	2.7	85
134	Highly sensitive and selective voltammetric detection of mercury(II) using an ITO electrode modified with 5-methyl-2-thiouracil, graphene oxide and gold nanoparticles. <i>Mikrochimica Acta</i> , 2013, 180, 493-499.	5.0	85
135	Ultrasensitive surface-enhanced Raman scattering detection of trypsin based on anti-aggregation of 4-mercaptopyridine-functionalized silver nanoparticles: an optical sensing platform toward proteases. <i>Nanoscale</i> , 2013, 5, 5905.	5.6	84
136	Bright and sensitive ratiometric fluorescent probe enabling endogenous FA imaging and mechanistic exploration of indirect oxidative damage due to FA in various living systems. <i>Chemical Science</i> , 2017, 8, 7851-7861.	7.4	84
137	Recent Advances in Dispersive Liquid - Liquid Microextraction for Organic Compounds Analysis in Environmental Water: A Review. <i>Current Analytical Chemistry</i> , 2012, 8, 78-90.	1.2	82
138	Molecularly Imprinted Photonic Hydrogels as Colorimetric Sensors for Rapid and Label-free Detection of Vanillin. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1921-1928.	5.2	82
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