

Hong Qun Luo

List of Publications by Year in descending order

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218
papers

7,789
citations

47006

47
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82547

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218
all docs

218
docs citations

218
times ranked

8018
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile synthesis of water-soluble carbon dots as a label-free fluorescent probe for rapid, selective and sensitive detection of picric acid. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 949-955.	7.8	178
2	Carbon quantum dots prepared with polyethyleneimine as both reducing agent and stabilizer for synthesis of Ag/CQDs composite for Hg ²⁺ ions detection. <i>Journal of Hazardous Materials</i> , 2017, 322, 430-436.	12.4	154
3	Longan seed and peel as environmentally friendly corrosion inhibitor for mild steel in acid solution: Experimental and theoretical studies. <i>Journal of Colloid and Interface Science</i> , 2017, 499, 110-119.	9.4	153
4	Electrochemically induced Fenton reaction of few-layer MoS ₂ nanosheets: preparation of luminescent quantum dots via a transition of nanoporous morphology. <i>Nanoscale</i> , 2014, 6, 9831-9838.	5.6	141
5	Water-Soluble Nonconjugated Polymer Nanoparticles with Strong Fluorescence Emission for Selective and Sensitive Detection of Nitro-Explosive Picric Acid in Aqueous Medium. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21700-21709.	8.0	131
6	Corrosion protection for mild steel by extract from the waste of lychee fruit in HCl solution: Experimental and theoretical studies. <i>Journal of Colloid and Interface Science</i> , 2018, 520, 41-49.	9.4	130
7	pH-mediated reversible fluorescence nanoswitch based on inner filter effect induced fluorescence quenching for selective and visual detection of 4-nitrophenol. <i>Journal of Hazardous Materials</i> , 2019, 362, 45-52.	12.4	130
8	Polyethyleneimine-Templated Ag Nanoclusters: A New Fluorescent and Colorimetric Platform for Sensitive and Selective Sensing Halide Ions and High Disturbance-Tolerant Recognitions of Iodide and Bromide in Coexistence with Chloride under Condition of High Ionic Strength. <i>Analytical Chemistry</i> , 2012, 84, 10373-10379.	6.5	124
9	Size-Dependent Optical Absorption of Layered MoS ₂ and DNA Oligonucleotides Induced Dispersion Behavior for Label-Free Detection of Single Nucleotide Polymorphism. <i>Advanced Functional Materials</i> , 2015, 25, 3541-3550.	14.9	123
10	A label-free DNA reduced graphene oxide-based fluorescent sensor for highly sensitive and selective detection of hemin. <i>Chemical Communications</i> , 2011, 47, 4676.	4.1	117
11	Facile synthesis of multicolor photoluminescent polymer carbon dots with surface-state energy gap-controlled emission. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10785-10793.	5.5	115
12	Ultrasensitive Label-Free Resonance Rayleigh Scattering Aptasensor for Hg ²⁺ Using Hg ²⁺ -Triggered Exonuclease III-Assisted Target Recycling and Growth of G-Wires for Signal Amplification. <i>Analytical Chemistry</i> , 2016, 88, 1385-1390.	6.5	114
13	Highly selective detection of p-nitrophenol using fluorescence assay based on boron, nitrogen co-doped carbon dots. <i>Talanta</i> , 2018, 184, 184-192.	5.5	109
14	CoNi based alloy/oxides@N-doped carbon core-shell dendrites as complementary water splitting electrocatalysts with significantly enhanced catalytic efficiency. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 634-646.	20.2	109
15	Smartphones and Test Paper-Assisted Ratiometric Fluorescent Sensors for Semi-Quantitative and Visual Assay of Tetracycline Based on the Target-Induced Synergistic Effect of Antenna Effect and Inner Filter Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47099-47107.	8.0	105
16	A colorimetric and fluorometric dual-signal sensor for arginine detection by inhibiting the growth of gold nanoparticles/carbon quantum dots composite. <i>Biosensors and Bioelectronics</i> , 2017, 87, 772-778.	10.1	101
17	A ratiometric fluorescent and colorimetric dual-signal sensing platform based on N-doped carbon dots for selective and sensitive detection of copper(II) and pyrophosphate ion. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 215-221.	7.8	100
18	Macroporous Array Induced Multiscale Modulation at the Surface/Interface of Co(OH) ₂ /NiMo Self-Supporting Electrode for Effective Overall Water Splitting. <i>Advanced Functional Materials</i> , 2021, 31, 2102117.	14.9	97

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19	Application of a cosmetic additive as an eco-friendly inhibitor for mild steel corrosion in HCl solution. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 68-77.	9.4	92
20	A fluorescence and colorimetric dual-mode assay of alkaline phosphatase activity <i>via</i> destroying oxidase-like CoOOH nanoflakes. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2843-2850.	5.8	92
21	Universal and Programmable Rolling Circle Amplification-CRISPR/Cas12a-Mediated Immobilization-Free Electrochemical Biosensor. <i>Analytical Chemistry</i> , 2021, 93, 7499-7507.	6.5	89
22	Study on the influences of two thiazole flavor ingredients on Cu corrosion caused by chloride ion. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 929-939.	9.4	81
23	Emerging 0D Transition-Metal Dichalcogenides for Sensors, Biomedicine, and Clean Energy. <i>Small</i> , 2017, 13, 1700527.	10.0	81
24	Simultaneous voltammetric measurement of ascorbic acid and dopamine on poly(caffeic acid)-modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 693-699.	2.5	76
25	Ligating Dopamine as Signal Trigger onto the Substrate via Metal-Catalyst-Free Click Chemistry for Signal-On-Photoelectrochemical Sensing of Ultralow MicroRNA Levels. <i>Analytical Chemistry</i> , 2016, 88, 11444-11449.	6.5	76
26	Multidimensional Optical Sensing Platform for Detection of Heparin and Reversible Molecular Logic Gate Operation Based on the Phloxine B/Polyethyleneimine System. <i>Analytical Chemistry</i> , 2015, 87, 1575-1581.	6.5	74
27	Resonance Rayleigh scattering study of interaction of hyaluronic acid with ethyl violet dye and its analytical application. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1186-1194.	10.1	72
28	0D-2D heterostructures of Au nanoparticles and layered MoS ₂ for simultaneous detections of dopamine, ascorbic acid, uric acid, and nitrite. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 352-360.	7.8	72
29	Self-Interconnected Porous Networks of NiCo Disulfide as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27723-27733.	8.0	71
30	pH-Mediated Fluorescent Polymer Particles and Gel from Hyperbranched Polyethylenimine and the Mechanism of Intrinsic Fluorescence. <i>Langmuir</i> , 2016, 32, 1881-1889.	3.5	69
31	Size-dependent modulation of fluorescence and light scattering: a new strategy for development of ratiometric sensing. <i>Materials Horizons</i> , 2018, 5, 454-460.	12.2	69
32	Detection of mercury ions (II) based on non-cross-linking aggregation of double-stranded DNA modified gold nanoparticles by resonance Rayleigh scattering method. <i>Biosensors and Bioelectronics</i> , 2015, 65, 360-365.	10.1	67
33	Adenosine-derived doped carbon dots: From an insight into effect of N/P co-doping on emission to highly sensitive picric acid sensing. <i>Analytica Chimica Acta</i> , 2018, 1013, 63-70.	5.4	67
34	Highly selective and sensitive electrochemical biosensor for ATP based on the dual strategy integrating the cofactor-dependent enzymatic ligation reaction with self-cleaving DNAzyme-amplified electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2015, 63, 14-20.	10.1	65
35	One-step CVD synthesis of carbon framework wrapped Co ₂ P as a flexible electrocatalyst for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7791-7795.	10.3	65
36	Polyethylenimine-Derived Fluorescent Nonconjugated Polymer Dots with Reversible Dual-Signal pH Response and Logic Gate Operation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6874-6883.	3.1	61

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37	Label-Free Photoelectrochemical "Off-On" Platform Coupled with G-Wire-Enhanced Strategy for Highly Sensitive MicroRNA Sensing in Cancer Cells. <i>Analytical Chemistry</i> , 2017, 89, 11697-11702.	6.5	60
38	Ratiometric fluorescence method for malachite green detection based on dual-emission BSA-protected gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 244-250.	7.8	60
39	Rapid fluorescence assay for Sudan dyes using polyethyleneimine-coated copper nanoclusters. <i>Mikrochimica Acta</i> , 2014, 181, 1069-1075.	5.0	58
40	Fluorescent silver nanoclusters for ultrasensitive determination of chromium(VI) in aqueous solution. <i>Journal of Hazardous Materials</i> , 2016, 304, 66-72.	12.4	57
41	Resonance Rayleigh scattering, frequency doubling scattering and second-order scattering spectra of the heparin crystal violet system and their analytical application. <i>Analytica Chimica Acta</i> , 2002, 468, 275-286.	5.4	54
42	Enzyme-free fluorescent biosensor for the detection of DNA based on core-shell Fe ₃ O ₄ polydopamine nanoparticles and hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2016, 77, 525-529.	10.1	54
43	B,N-carbon dots-based ratiometric fluorescent and colorimetric dual-readout sensor for H ₂ O ₂ and H ₂ O ₂ -involved metabolites detection using ZnFe ₂ O ₄ magnetic microspheres as peroxidase mimics. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1735-1743.	7.8	54
44	A highly sensitive resonance Rayleigh scattering method to discriminate a parallel-stranded G-quadruplex from DNA with other topologies and structures. <i>Chemical Communications</i> , 2013, 49, 6209.	4.1	53
45	A ratiometric fluorescent strategy for alkaline phosphatase activity assay based on g-C ₃ N ₄ /CoOOH nanohybrid via target-triggered competitive redox reaction. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 515-523.	7.8	51
46	Interfacial engineering of Ni(OH) ₂ on W ₂ C for remarkable alkaline hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120818.	20.2	51
47	Label-free colorimetric detection of Hg ²⁺ based on Hg ²⁺ -triggered exonuclease III-assisted target recycling and DNAzyme amplification. <i>Biosensors and Bioelectronics</i> , 2015, 68, 266-271.	10.1	50
48	A new fluorescent sensor for detecting p-nitrophenol based on β -cyclodextrin-capped ZnO quantum dots. <i>RSC Advances</i> , 2016, 6, 86061-86067.	3.6	50
49	Free-label dual-signal responsive optical sensor by combining resonance Rayleigh scattering and colorimetry for sensitive detection of glutathione based on ultrathin MnO ₂ nanoflakes. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 195-201.	7.8	49
50	Construction of an effective ratiometric fluorescent sensing platform for specific and visual detection of mercury ions based on target-triggered the inhibition on inner filter effect. <i>Journal of Hazardous Materials</i> , 2019, 376, 170-177.	12.4	47
51	Ratiometric fluorescence detection of dopamine based on effect of ligand on the emission of Ag nanoclusters and aggregation-induced emission enhancement. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127858.	7.8	47
52	A regenerative ratiometric electrochemical biosensor for selective detecting Hg ²⁺ based on Y-shaped/hairpin DNA transformation. <i>Analytica Chimica Acta</i> , 2016, 908, 95-101.	5.4	46
53	Fluorometric detection of mutant DNA oligonucleotide based on toehold strand displacement-driving target recycling strategy and exonuclease III-assisted suppression. <i>Biosensors and Bioelectronics</i> , 2016, 77, 40-45.	10.1	46
54	Amperometric biosensor for microRNA based on the use of tetrahedral DNA nanostructure probes and guanine nanowire amplification. <i>Mikrochimica Acta</i> , 2017, 184, 2597-2604.	5.0	46

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55	A simple and facile strategy based on Fenton-induced DNA cleavage for fluorescent turn-on detection of hydroxyl radicals and Fe ²⁺ . <i>Journal of Materials Chemistry</i> , 2012, 22, 1477-1481.	6.7	45
56	Supersensitive and selective detection of picric acid explosive by fluorescent Ag nanoclusters. <i>Analyst</i> , 2016, 141, 1091-1097.	3.5	45
57	Multifunctional Binding Strategy on Nonconjugated Polymer Nanoparticles for Ratiometric Detection and Effective Removal of Mercury Ions. <i>Environmental Science & Technology</i> , 2020, 54, 10270-10278.	10.0	45
58	A selective and sensitive optical sensor for dissolved ammonia detection via agglomeration of fluorescent Ag nanoclusters and temperature gradient headspace single drop microextraction. <i>Biosensors and Bioelectronics</i> , 2017, 91, 155-161.	10.1	44
59	A sensitive polymer dots-manganese dioxide fluorescent nanosensor for "turn-on" detection of glutathione in human serum. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 25-31.	7.8	44
60	Photoelectrochemical platform for glucose sensing based on g-C ₃ N ₄ /ZnIn ₂ S ₄ composites coupled with bi-enzyme cascade catalytic in-situ precipitation. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126818.	7.8	44
61	Label-free cascade amplification strategy for sensitive visual detection of thrombin based on target-triggered hybridization chain reaction-mediated in situ generation of DNAzymes and Pt nanochains. <i>Biosensors and Bioelectronics</i> , 2016, 80, 463-470.	10.1	42
62	Fabrication of Pt/Cu ₃ (PO ₄) ₂ ultrathin nanosheet heterostructure for photoelectrochemical microRNA sensing using novel G-wire-enhanced strategy. <i>Nanoscale</i> , 2017, 9, 7526-7532.	5.6	42
63	Multifunctional fluorescent sensors for independent detection of multiple metal ions based on Ag nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 184-192.	7.8	42
64	Enhanced Emission of Polyethyleneimine-Coated Copper Nanoclusters and Their Solvent Effect. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27173-27177.	3.1	41
65	Green light-emitting polyepinephrine-based fluorescent organic dots and its application in intracellular metal ions sensing. <i>Biosensors and Bioelectronics</i> , 2016, 83, 134-141.	10.1	41
66	Ultrasensitive and selective signal-on electrochemical DNA detection via exonuclease III catalysis and hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2015, 63, 153-158.	10.1	40
67	D-penicillamine-templated copper nanoparticles via ascorbic acid reduction as a mercury ion sensor. <i>Talanta</i> , 2016, 151, 106-113.	5.5	40
68	Boolean Logic Tree of Label-Free Dual-Signal Electrochemical Aptasensor System for Biosensing, Three-State Logic Computation, and Keypad Lock Security Operation. <i>Analytical Chemistry</i> , 2017, 89, 9734-9741.	6.5	40
69	Nb ₂ O ₅ "Ni ₃ N heterojunction tuned by interface oxygen vacancy engineering for the enhancement of electrocatalytic hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11563-11570.	10.3	40
70	Anodic Stripping Voltammetry Determination of Pb(II) and Cd(II) at a Bismuth/Poly(aniline) Film Electrode. <i>Analytical Letters</i> , 2006, 39, 2273-2284.	1.8	39
71	A smartphone-integrated dual-mode nanosensor based on novel green-fluorescent carbon quantum dots for rapid and highly selective detection of 2,4,6-trinitrophenol and pH. <i>Applied Surface Science</i> , 2019, 492, 550-557.	6.1	39
72	A lanthanide coordination polymer as a ratiometric fluorescent probe for rapid and visual sensing of phosphate based on the target-triggered competitive effect. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13063-13071.	5.5	39

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73	A triple-channel optical signal probe for Hg ²⁺ detection based on acridine orange and aptamer-wrapped gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 11479.	6.7	38
74	Sensitive detection of HIV gene by coupling exonuclease III-assisted target recycling and guanine nanowire amplification. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1017-1023.	7.8	38
75	A potential fluorescent probe: Maillard reaction product from glutathione and ascorbic acid for rapid and label-free dual detection of Hg ²⁺ and biothiols. <i>Biosensors and Bioelectronics</i> , 2016, 81, 473-479.	10.1	37
76	A novel "signal-on" photoelectrochemical sensor for ultrasensitive detection of alkaline phosphatase activity based on a TiO ₂ /g-C ₃ N ₄ heterojunction. <i>Analyst</i> , 2018, 143, 3399-3407.	3.5	37
77	Copper nanoclusters with strong fluorescence emission as a sensing platform for sensitive and selective detection of picric acid. <i>Analytical Methods</i> , 2018, 10, 4251-4256.	2.7	36
78	Solvatochromism of polyethyleneimine-encapsulated Ag nanoclusters and their concentration-dependent fluorescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4008.	5.5	35
79	Proton-controlled synthesis of red-emitting carbon dots and application for hematin detection in human erythrocytes. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1159-1167.	3.7	35
80	One-pot synthesis of Mn-Fe bimetallic oxide heterostructures as bifunctional electrodes for efficient overall water splitting. <i>Nanoscale</i> , 2020, 12, 19992-20001.	5.6	35
81	One-step chemical transformation synthesis of CoS ₂ nanosheets on carbon cloth as a 3D flexible electrode for water oxidation. <i>Journal of Power Sources</i> , 2018, 397, 44-51.	7.8	34
82	Diverse States and Properties of Polymer Nanoparticles and Gel Formed by Polyethyleneimine and Aldehydes and Analytical Applications. <i>Analytical Chemistry</i> , 2015, 87, 8679-8686.	6.5	33
83	Carbon dots-based fluorescent turn off/on sensor for highly selective and sensitive detection of Hg ²⁺ and biothiols. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117260.	3.9	33
84	A glassy carbon electrode modified with graphene and poly(acridine red) for sensing uric acid. <i>Mikrochimica Acta</i> , 2012, 178, 115-121.	5.0	32
85	Ethynyl and π -stacked thymine-Hg ²⁺ -thymine base pairs enhanced fluorescence quenching via photoinduced electron transfer and simple and sensitive mercury ion sensing. <i>Biosensors and Bioelectronics</i> , 2015, 64, 597-604.	10.1	32
86	Thiazole orange as a fluorescent probe: Label-free and selective detection of silver ions based on the structural change of i-motif DNA at neutral pH. <i>Talanta</i> , 2016, 156-157, 141-146.	5.5	32
87	Boolean Logic Tree of Graphene-Based Chemical System for Molecular Computation and Intelligent Molecular Search Query. <i>Analytical Chemistry</i> , 2014, 86, 4494-4500.	6.5	31
88	Asymmetric electrodes with a transition metal disulfide heterostructure and amorphous bimetallic hydroxide for effective alkaline water electrolysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2895-2900.	10.3	31
89	Conversion of Fluorescence Signals into Optical Fingerprints Realizing High-Throughput Discrimination of Anionic Sulfonate Surfactants with Similar Structure Based on a Statistical Strategy and Luminescent Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2020, 92, 7273-7281.	6.5	31
90	The pH-switchable agglomeration and dispersion behavior of fluorescent Ag nanoclusters and its applications in urea and glucose biosensing. <i>NPG Asia Materials</i> , 2016, 8, e335-e335.	7.9	30

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91	Guanine nanowire based amplification strategy: Enzyme-free biosensing of nucleic acids and proteins. <i>Biosensors and Bioelectronics</i> , 2016, 78, 351-357.	10.1	30
92	A resonance Rayleigh scattering sensor for detection of Pb ²⁺ ions via cleavage-induced G-wire formation. <i>Journal of Hazardous Materials</i> , 2017, 336, 195-201.	12.4	30
93	Principle of proximity: Plasmonic hot electrons motivate donor-adjacent semiconductor defects with enhanced electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2019, 60, 689-700.	16.0	30
94	Regulation of the electronic structure of Co ₄ N with novel Nb to form hierarchical porous nanosheets for electrocatalytic overall water splitting. <i>Materials Today Physics</i> , 2020, 15, 100268.	6.0	30
95	A fluorescence detection of d-penicillamine based on Cu ²⁺ -induced fluorescence quenching system of protein-stabilized gold nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 198-202.	3.9	29
96	Intrinsically fluorescent polymer nanoparticles for sensing Cu ²⁺ in aqueous media and constructing an IMPLICATION logic gate. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 634-641.	7.8	29
97	Water-soluble polymer dots formed from polyethylenimine and glutathione as a fluorescent probe for mercury(II). <i>Mikrochimica Acta</i> , 2018, 185, 284.	5.0	29
98	Oxidation etching induced dual-signal response of carbon dots/silver nanoparticles system for ratiometric optical sensing of H ₂ O ₂ and H ₂ O ₂ -related bioanalysis. <i>Analytica Chimica Acta</i> , 2019, 1055, 81-89.	5.4	29
99	CRISPR/Cas12a-regulated homogeneous electrochemical aptasensor for amplified detection of protein. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130713.	7.8	29
100	Dual-emission ratiometric nanoprobe for visual detection of Cu(II) and intracellular fluorescence imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117300.	3.9	28
101	One-step hydrothermal synthesis of cobalt-vanadium based nanocomposites as bifunctional catalysts for overall water splitting. <i>Nanoscale</i> , 2019, 11, 18238-18245.	5.6	28
102	pH-induced aggregation of hydrophilic carbon dots for fluorescence detection of acidic amino acid and intracellular pH imaging. <i>Materials Science and Engineering C</i> , 2020, 108, 110401.	7.3	28
103	Two 3d-4f metal-organic frameworks as fluorescent sensor array for the discrimination of phosphates based on different response patterns. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128757.	7.8	28
104	Interface engineering of core-shell Ni _{0.85} Se/NiTe electrocatalyst for enhanced oxygen evolution and urea oxidation reactions. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 196-205.	9.4	28
105	Simultaneous Determination of Cimaterol, Salbutamol, Terbutaline and Ractopamine in Feed by SPE Coupled to UPLC. <i>Chromatographia</i> , 2011, 73, 243-249.	1.3	27
106	An electrochemical sensor for sodium dodecyl sulfate detection based on anion exchange using eosin Y/polyethyleneimine modified electrode. <i>Analytica Chimica Acta</i> , 2014, 852, 63-68.	5.4	27
107	Metal-Organic Framework as a Chemosensor Based on Luminescence Properties for Monitoring Cetyltrimethylammonium Bromide and Its Application in Smartphones. <i>Inorganic Chemistry</i> , 2019, 58, 8388-8395.	4.0	27
108	Layered Aggregation with Steric Effect: Morphology-Homogeneous Semiconductor MoS ₂ as an Alternative 2D Probe for Visual Immunoassay. <i>Small</i> , 2018, 14, 1703560.	10.0	26

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109	MOF-derived V-CoxP@NC nanoarchitectures for highly enhanced electrocatalytic water splitting through electronical tuning. <i>Electrochimica Acta</i> , 2020, 357, 136850.	5.2	26
110	Electrochemical sensor for heparin based on a poly(thionine) modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2009, 167, 195-199.	5.0	25
111	A novel conducting poly(p-aminobenzene sulphonic acid)-based electrochemical sensor for sensitive determination of Sudan I and its application for detection in food stuffs. <i>Food Chemistry</i> , 2015, 173, 594-599.	8.2	25
112	A novel photoelectrochemical sensing platform based on Fe ₂ O ₃ @Bi ₂ S ₃ heterojunction for an enzymatic process and enzyme activity inhibition reaction. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 202-209.	7.8	25
113	Electrochemical Behavior of Epinephrine at a Penicillamine Self-Assembled Gold Electrode, and its Analytical Application. <i>Mikrochimica Acta</i> , 2005, 150, 87-93.	5.0	24
114	Mechanism of the pH-induced aggregation reaction between melamine and phosphate. <i>RSC Advances</i> , 2012, 2, 10948.	3.6	24
115	A Sensitive "Turn-On" Fluorescent Sensor for Melamine Based on FRET Effect between Polydopamine-Glutathione Nanoparticles and Ag Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2174-2179.	5.2	24
116	Inhibition Effect of 2,4,6-Trimercapto-1,3,5-triazine Self-Assembled Monolayers on Copper Corrosion in NaCl Solution. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 527-537.	2.5	23
117	Label-free fluorescent discrimination and detection of epinephrine and dopamine based on bioinspired in situ copolymers and excitation wavelength switch. <i>Analytica Chimica Acta</i> , 2019, 1054, 167-175.	5.4	23
118	A novel signal-on photoelectrochemical platform for highly sensitive detection of alkaline phosphatase based on dual Z-scheme CdS/Bi ₂ S ₃ /BiOCl composites. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129988.	7.8	23
119	Determination of nitrite with a nano-gold modified glassy carbon electrode by cyclic voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 295-306.	3.3	22
120	A label-free electrochemical sensor for detection of mercury(II) ions based on the direct growth of guanine nanowire. <i>Journal of Hazardous Materials</i> , 2016, 308, 173-178.	12.4	21
121	A smartphone-coalesced nanoprobe for high selective ammonia sensing based on the pH-responsive biomass carbon nanodots and headspace single drop microextraction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 382-390.	3.9	21
122	Three-dimensional donor-acceptor-type photoactive material/conducting polyaniline hydrogel complex for sensitive photocathodic enzymatic bioanalysis. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112179.	10.1	21
123	Infinite Coordination Polymer Nanoparticles Used for Fluorescence Turn-On Sensing of Ascorbic Acid. <i>ACS Applied Nano Materials</i> , 2021, 4, 6872-6880.	5.0	21
124	A regenerated electrochemical biosensor for label-free detection of glucose and urea based on conformational switch of i-motif oligonucleotide probe. <i>Analytica Chimica Acta</i> , 2015, 897, 10-16.	5.4	20
125	A Thioflavin T-induced G-Quadruplex Fluorescent Biosensor for Target DNA Detection. <i>Analytical Sciences</i> , 2018, 34, 149-153.	1.6	20
126	Green fluorescent carbon quantum dots as a label-free probe for rapid and sensitive detection of hematin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 167-172.	3.9	20

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127	Fabrication of 2D/3D hierarchical PBA and derivative electrocatalysts for overall water splitting. <i>Applied Surface Science</i> , 2021, 551, 149360.	6.1	20
128	A ratiometric fluorescent sensor for sensitive detection of UDG using poly(thymine)-templated copper nanoclusters and DAPI with exonuclease III assisted amplification. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 46-51.	7.8	19
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