

Hong Qun Luo

List of Publications by Year in descending order

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218
papers

7,789
citations

47006

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82547

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all docs

218
docs citations

218
times ranked

8018
citing authors

#	ARTICLE	IF	CITATIONS
1	ZIF-8@GMP-Tb nanocomplex for ratiometric fluorescent detection of alkaline phosphatase activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120230.	3.9	15
2	An optical sensing system with ratiometric and turn-off dual-mode of CDs@MnO ₂ nanosheets for the determination of H ₂ O ₂ and glucose based on a combination of first-order scattering, fluorescence, and second-order scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120299.	3.9	11
3	Rational construction of long-wavelength emissive AIE molecules and their application for sensitive and visual detection of HClO. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131024.	7.8	18
4	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
5	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
6	Plasmonic Gold Nanoparticles Stain Hydrogels for the Portable and High-Throughput Monitoring of Mercury Ions. <i>Environmental Science & Technology</i> , 2022, 56, 1041-1052.	10.0	19
7	Rational design of a fluorescent probe for specific sensing of hydrogen peroxide/glucose and intracellular imaging applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 277, 121254.	3.9	4
8	Engineering of a multifunctional small molecule enables dual-channel fluorescence visualizing of environmental unamiable heavy metal ions as well as photoinactivation-based and ultra-efficient eliminating of human pathogens. <i>Chemical Engineering Journal</i> , 2022, 444, 136601.	12.7	8
9	Tuning the d-band center of NiC ₂ O ₄ with Nb ₂ O ₅ to optimize the Volmer step for hydrazine oxidation-assisted hydrogen production. <i>Green Chemistry</i> , 2022, 24, 5559-5569.	9.0	12
10	Quadruple analyte responsive platform: Point-of-care testing and multi-coding logic computation based on metal ions recognition and selective response. <i>Journal of Hazardous Materials</i> , 2022, 437, 129331.	12.4	6
11	Electronic regulation and core-shell hybrids engineering of palm-leaf-like NiFe/Co(PO ₃) ₂ bifunctional electrocatalyst for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 28475-28485.	7.1	7
12	Prussian Blue Analoguesâ€“Derived CoFeâ€“B Nanocubes with Increased Specific Surface Area and Modulated Electronic Structure as Enhanced Oxygen Evolution Electrocatalysts. <i>Energy Technology</i> , 2021, 9, 2000178.	3.8	11
13	Photothermal antenna effects derived from the one-to-one coupling nanohybrids of Au plasmonics and MoS ₂ semiconductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1339-1344.	5.5	8
14	Engineering metallic MoS ₂ monolayers with responsive hydrogen evolution electrocatalytic activities for enzymatic reaction monitoring. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11056-11063.	10.3	13
15	Nb ₂ O ₅ â€“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
16	Crystal Violet-Sensitized Direct Z-Scheme Heterojunction Coupled with a G-Wire Superstructure for Photoelectrochemical Sensing of Uracil-DNA Glycosylase. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15881-15889.	8.0	18
17	Heteroatoms Adjusting Amorphous FeMn-Based Nanosheets via a Facile Electrodeposition Method for Full Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5963-5971.	6.7	18
18	Universal and Programmable Rolling Circle Amplification-CRISPR/Cas12a-Mediated Immobilization-Free Electrochemical Biosensor. <i>Analytical Chemistry</i> , 2021, 93, 7499-7507.	6.5	89

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19	High-valence Mo(VI) derived from in-situ oxidized MoS ₂ nanosheets enables enhanced electrochemical responses for nitrite measurements. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129812.	7.8	14
20	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
21	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
22	Fabrication of 2D/3D hierarchical PBA and derivative electrocatalysts for overall water splitting. <i>Applied Surface Science</i> , 2021, 551, 149360.	6.1	20
23	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
24	Corrosion-Engineered Mo-Containing FeCo-(oxy)hydroxide Electrocatalysts for Superior Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12233-12241.	6.7	14
25	Spatially localized amplification reaction with accelerated target conversion for sensitive microRNA detection. <i>Talanta</i> , 2021, 232, 122422.	5.5	4
26	“Plug and play” microelectrode assisted with Y-motif-mediated primer-free cyclic signal amplification for sensitive quantitation of DNA methyltransferase activity. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113487.	10.1	4
27	Formation of hierarchical NiFe Prussian blue analogues/Prussian blue on nickel foam for superior water oxidation. <i>Applied Surface Science</i> , 2021, 567, 150835.	6.1	14
28	Ultrasensitive fluorescent probe for visual biosensing of esterase activity in living cells and its imaging application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120094.	3.9	5
29	CRISPR/Cas12a-regulated homogeneous electrochemical aptasensor for amplified detection of protein. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130713.	7.8	29
30	Selenium-induced NiSe ₂ @CuSe ₂ hierarchical heterostructure for efficient oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 17846-17853.	5.6	14
31	Mercury ion-engineering Au plasmonics on MoS ₂ layers for absorption-shifted optical sensors. <i>Analytical Methods</i> , 2021, 13, 5436-5440.	2.7	4
32	A signal-off photocathode biosensor based on a novel metal-organic polymer for the detection of glucose. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127279.	7.8	14
33	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
34	Chemically-modulated turn-on fluorescence for rapid and visual discrimination of norepinephrine and epinephrine and its application for dopamine-β-hydroxylase detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127463.	7.8	16
35	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
36	A ratiometric optical strategy for bromide and iodide ion sensing based on target-induced competitive coordination of a metal-organic nanosystem. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11517-11524.	5.5	9

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37	Redox induced dual-signal optical sensor of carbon dots/MnO ₂ nanosheets based on fluorescence and second-order scattering for the detection of ascorbic acid. <i>Mikrochimica Acta</i> , 2020, 187, 475.	5.0	11
38	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
39	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
40	Catalase active metal-organic framework synthesized by ligand regulation for the dual detection of glucose and cysteine. <i>Analytica Chimica Acta</i> , 2020, 1131, 118-125.	5.4	12
41	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
42	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
43	Cu ₂ O@Fe ³⁺ /Ni ₃ S ₂ nanoflower <i>in situ</i> grown on copper foam at room temperature as an excellent oxygen evolution electrocatalyst. <i>Chemical Communications</i> , 2020, 56, 12339-12342.	4.1	8
44	Aggregation-induced responses (AIR) of 2D-derived layered nanostructures enable emerging colorimetric and fluorescence sensors. <i>Analyst</i> , 2020, 145, 7464-7476.	3.5	3
45	Boosting Hydrogen Evolution Reaction Activities of Three-Dimensional Flower-like Tungsten Carbonitride via Anion Regulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14109-14116.	6.7	16
46	Signal-off photoelectrochemical determination of miRNA-21 using aptamer-modified In ₂ O ₃ @Cu ₂ MoS ₄ nanocomposite. <i>Mikrochimica Acta</i> , 2020, 187, 561.	5.0	13
47	One-pot synthesis of Mn ²⁺ /Fe bimetallic oxide heterostructures as bifunctional electrodes for efficient overall water splitting. <i>Nanoscale</i> , 2020, 12, 19992-20001.	5.6	35
48	A Tin Film CMK-3 Modified Carbon Paste Electrode as an Environmentally Friendly Sensor to Detect Trace Cadmium. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1201-1208.	0.9	1
49	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
50	Ratiometric assay of mercury ion based on nitrogen-doped carbon dots with two different optical signals: second-order scattering and fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4375-4382.	3.7	11
51	Layered MoS ₂ defect-driven <i>in situ</i> synthesis of plasmonic gold nanocrystals visualizes the planar size and interfacial diversity. <i>Nanoscale</i> , 2020, 12, 11979-11985.	5.6	13
52	A visual detection of human immunodeficiency virus gene using ratiometric method enabled by phenol red and target-induced catalytic hairpin assembly. <i>Talanta</i> , 2020, 219, 121202.	5.5	12
53	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
54	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

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55	Construction of photocathodic bioanalytical platform based on Z-scheme polyimide/CdS composite assisted by dual-catalysis system. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128079.	7.8	15
56	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
57	Surface state-regulated redox carbon nanodots for plasmonic morphology-dependent ratiometric sensing. <i>Applied Surface Science</i> , 2020, 526, 146715.	6.1	7
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	Fluorometric and resonance Rayleigh scattering dual-mode bioprobe for determination of the activity of alkaline phosphatase based on the use of CoOOH nanoflakes and cobalt(II)-dependent DNAzyme-assisted amplification. <i>Mikrochimica Acta</i> , 2019, 186, 437.	5.0	13
66	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
67	N-doped cobalt disulfide decorated on carbon cloth as an efficient electrode for oxygen generation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16615-16623.	7.1	10
68	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
69	A facile and label-free ratiometric optical sensor for selective detection of norepinephrine by combining second-order scattering and fluorescence signals. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3081-3089.	3.7	7
70	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
71	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
72	Fabrication of silver nanoclusters with enhanced fluorescence triggered by ethanol solvent: a selective fluorescent probe for Cr ³⁺ detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3301-3308.	3.7	16

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73	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
74	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
75	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
76	Enhanced photoelectrochemical sensing based on novel synthesized Bi ₂ S ₃ @Bi ₂ O ₃ nanosheet heterostructure for ultrasensitive determination of L-cysteine. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3059-3068.	3.7	19
77	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
78	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
79	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
80	Green Synthesis of Blue Fluorescent P-doped Carbon Dots for the Selective Determination of Picric Acid in an Aqueous Medium. <i>Analytical Sciences</i> , 2019, 35, 147-152.	1.6	12
81	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
82	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
83	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
84	Facile method for iodide ion detection via the fluorescence decrease of dihydrolipoic acid/beta-cyclodextrin protected Ag nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 199-205.	3.9	10
85	Heterogeneous cobalt phosphides nanoparticles anchored on carbon cloth realizing the efficient hydrogen generation reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 531-539.	7.1	12
86	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
87	A hybrid material composed of guanine-rich single stranded DNA and cobalt(III) oxyhydroxide (CoOOH) nanosheets as a fluorescent probe for ascorbic acid via formation of a complex between G-quadruplex and thioflavin T. <i>Mikrochimica Acta</i> , 2019, 186, 156.	5.0	10
88	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
89	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
90	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

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91	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
92	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
93	Visual Immunoassays: Layered Aggregation with Steric Effect: Morphology-Homogeneous Semiconductor MoS ₂ as an Alternative 2D Probe for Visual Immunoassay (Small 7/2018). <i>Small</i> , 2018, 14, 1870029.	10.0	0
94	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
95	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
96	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
97	Highly Tunable and Scalable Fabrication of 3D Flexible Graphene Micropatterns for Directing Cell Alignment. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17704-17713.	8.0	17
98	Fluorescence detection of melamine based on inhibiting Cu ²⁺ -induced disaggregation of red-emitting silver nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 112-118.	3.9	12
99	A Thioflavin T-induced G-Quadruplex Fluorescent Biosensor for Target DNA Detection. <i>Analytical Sciences</i> , 2018, 34, 149-153.	1.6	20
100	A dual-cycling biosensor for target DNA detection based on the toehold-mediated strand displacement reaction and exonuclease III assisted amplification. <i>New Journal of Chemistry</i> , 2018, 42, 4714-4718.	2.8	6
101	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
102	A Label-free Resonance Rayleigh Scattering Sensor for Detection of Thrombin Based on Aptamer Recognizing. <i>Analytical Sciences</i> , 2018, 34, 881-886.	1.6	6
103	Nanodots of transition metal (Mo and W) disulfides grown on NiNi Prussian blue analogue nanoplates for efficient hydrogen production. <i>Chemical Communications</i> , 2018, 54, 11044-11047.	4.1	12
104	Sensitive detection of active uracil-DNA glycosylase via an exonuclease III-assisted cascade multi-amplification fluorescence DNA machine. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 9-14.	7.8	16
105	Directly repurposing waste optical discs with prefabricated nanogrooves as a platform for investigation of cell-substrate interactions and guiding neuronal growth. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 273-281.	6.0	4
106	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
107	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
108	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

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109	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
110	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
111	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
112	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
113	Turn-on fluorescence detection of pyrophosphate anion based on DNA-attached cobalt oxyhydroxide. <i>New Journal of Chemistry</i> , 2017, 41, 1993-1996.	2.8	14
114	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
115	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
116	Determination of cobalt(II) using β -cyclodextrin-capped ZnO quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , 2017, 184, 2533-2539.	5.0	17
117	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
118	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
119	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
120	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
121	Emerging OD Transition-Metal Dichalcogenides for Sensors, Biomedicine, and Clean Energy. <i>Small</i> , 2017, 13, 1700527.	10.0	81
122	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
123	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
124	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
125	Bio-friendly Maillard reaction fluorescent products from glutathione and ascorbic acid for the rapid and label-free detection of Fe ³⁺ in living cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 707-713.	5.8	8
126	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

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127	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
128	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
129	OD-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
130	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
131	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
132	Molecular neuron: From sensing to logic computation, information encoding, and encryption. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 704-710.	7.8	13
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134	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
135	Sensitive and selective turn-on fluorescence method for cetyltrimethylammonium bromide determination based on acridine orange-polystyrene sulfonate complex. <i>Luminescence</i> , 2016, 31, 1025-1030.	2.9	6
136	An Electrochemical Sensing Strategy for Amantadine Detection Based on Competitive Host-Guest Interaction of Methylene Blue/ β -cyclodextrin/Poly(N-acetylaniline) Modified Electrode. <i>Electroanalysis</i> , 2016, 28, 1489-1494.	2.9	13
137	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
138	Experimental and theoretical studies of 4,6-diamino-2-mercaptopyrimidine as a copper inhibitor in 3.5 wt% NaCl solution. <i>RSC Advances</i> , 2016, 6, 15210-15219.	3.6	10
139	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
140	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
141	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
142	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
143	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
144	A Label-free, Highly Sensitive and Selective Detection of Hemin Based on the Competition between Hemin and Protoporphyrin IX Binding to G-Quadruplexes. <i>Analytical Sciences</i> , 2016, 32, 887-892.	1.6	18

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147	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
148	D-penicillamine-templated copper nanoparticles via ascorbic acid reduction as a mercury ion sensor. <i>Talanta</i> , 2016, 151, 106-113.	5.5	40
149	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
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152	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
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154	Supersensitive and selective detection of picric acid explosive by fluorescent Ag nanoclusters. <i>Analyst</i> , 2016, 141, 1091-1097.	3.5	45
155	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
156	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
157	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
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159	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
160	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
161	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
162	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

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165	Sensitive mutant DNA biomarker detection based on magnetic nanoparticles and nicking endonuclease assisted fluorescence signal amplification. <i>RSC Advances</i> , 2015, 5, 20020-20024.	3.6	9
166	A cation exchange based electrochemical sensor for cetyltrimethylammonium bromide detection using an acridine orange/polystyrene sulfonate system. <i>Analytical Methods</i> , 2015, 7, 3849-3854.	2.7	6
167	A regenerative electrochemical biosensor for mercury(II) by using the insertion approach and dual-hairpin-based amplification. <i>Journal of Hazardous Materials</i> , 2015, 295, 63-69.	12.4	17
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175	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
176	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
177	Rapid fluorescence assay for Sudan dyes using polyethyleneimine-coated copper nanoclusters. <i>Mikrochimica Acta</i> , 2014, 181, 1069-1075.	5.0	58
178	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
179	A sensitive electrochemical method based on Fenton-induced DNA oxidation for detection of hydroxyl radical. <i>Analytical Methods</i> , 2014, 6, 6536.	2.7	15
180	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

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182	Crystal violet as an i-motif structure probe for reversible and label-free pH-driven electrochemical switch. <i>Analytical Biochemistry</i> , 2014, 455, 55-59.	2.4	12
183	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
184	Fuzzy logic sensing of G-quadruplex DNA and its cleavage reagents based on reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2014, 57, 117-124.	10.1	17
185	A New Dual-Channel Optical Signal Probe for Cu ²⁺ Detection Based on Morin and Boric Acid. <i>Applied Spectroscopy</i> , 2014, 68, 1148-1153.	2.2	1
186	Solvatofluorochromism of polyethyleneimine-encapsulated Ag nanoclusters and their concentration-dependent fluorescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4008.	5.5	35
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195	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
196	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
197	Stannum film electrode for square wave voltammetric determination of trace copper(II). <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 529-533.	2.5	12
198	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

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200	Electrochemical Characterization of Enzyme and Immunoglobulin G Patterned Using Microcontact Printing. <i>Electrochemistry</i> , 2010, 78, 122-125.	1.4	1
201	Determination of Ursolic Acid in Force Loquat Capsule by Ultrasonic Extraction and Ionic Liquid Based Reverse Dispersive LLME. <i>Chromatographia</i> , 2010, 71, 839-843.	1.3	12
202	DETERMINATION OF LEAD(II) BY FLOW-INJECTION ANALYSIS USING LUMINOL-POTASSIUM PERIODATE POST-CHEMILUMINESCENCE REACTION. <i>Instrumentation Science and Technology</i> , 2010, 38, 151-164.	1.8	3
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