Yan Gao

List of Publications by Year
in descending order

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213	8,501	41344	64796
papers	citations	49 h-index	79 g-index

214	214	214	8516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redâ€Emissive Carbon Dots for Fluorescent, Photoacoustic, and Thermal Theranostics in Living Mice. Advanced Materials, 2015, 27, 4169-4177.	21.0	758
2	NiO nanoparticles modified with 5,10,15,20-tetrakis(4-carboxyl pheyl)-porphyrin: Promising peroxidase mimetics for H2O2 and glucose detection. Biosensors and Bioelectronics, 2015, 64, 147-153.	10.1	287
3	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H2O2. Sensors and Actuators B: Chemical, 2018, 259, 775-783.	7.8	222
4	One-step synthesis of uniform nanoparticles of porphyrin functionalized ceria with promising peroxidase mimetics for H2O2 and glucose colorimetric detection. Sensors and Actuators B: Chemical, 2017, 240, 726-734.	7.8	195
5	Colorimetric and ultrasensitive detection of H2O2 based on Au/Co3O4-CeOx nanocomposites with enhanced peroxidase-like performance. Sensors and Actuators B: Chemical, 2018, 271, 336-345.	7.8	182
6	Montmorillonite-loaded ceria nanocomposites with superior peroxidase-like activity for rapid colorimetric detection of H 2 O 2. Sensors and Actuators B: Chemical, 2017, 239, 848-856.	7.8	170
7	A facile strategy to prepare porphyrin functionalized ZnS nanoparticles and their peroxidase-like catalytic activity for colorimetric sensor of hydrogen peroxide and glucose. Sensors and Actuators B: Chemical, 2017, 251, 339-348.	7.8	145
8	An electrochemical sensor based on copper-based metal-organic frameworks-graphene composites for determination of dihydroxybenzene isomers in water. Talanta, 2018, 181, 80-86.	5.5	139
9	Porphyrin-sensitized solar cells: systematic molecular optimization, coadsorption and cosensitization. Chemical Communications, 2018, 54, 1811-1824.	4.1	138
10	Charge separation, charge recombination, long-lived charge transfer state formation and intersystem crossing in organic electron donor/acceptor dyads. Journal of Materials Chemistry C, 2019, 7, 12048-12074.	5.5	137
11	Glutathione detection based on peroxidase-like activity of Co3O4â€“Montmorillonite nanocomposites. Sensors and Actuators B: Chemical, 2018, 273, 1635-1639.	7.8	119
12	Efficient solar cells sensitized by a promising new type of porphyrin: dye-aggregation suppressed by double strapping. Chemical Science, 2019, 10, 2186-2192.	7.4	116
13	A facile preparation of montmorillonite-supported copper sulfide nanocomposites and their application in the detection of H 2 O 2. Sensors and Actuators B: Chemical, 2017, 239, 28-35.	7.8	112
14	Crab shell derived multi-hierarchical carbon materials as a typical recycling of waste for high performance supercapacitors. Carbon, 2019, 141, 748-757.	10.3	108
15	Iron Doped CuSn(OH)₆ Microspheres as a Peroxidase-Mimicking Artificial Enzyme for H₂O₂ Colorimetric Detection. ACS Sustainable Chemistry and Engineering, 2018, 6, 14383-14393.	6.7	103
16	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H2O2. Materials Science and Engineering C, 2018, 90, 610-620.	7.3	93
17	Porphyrin-Based Porous Organic Frameworks as a Biomimetic Catalyst for Highly Efficient Colorimetric Immunoassay. ACS Applied Materials & Interfaces, 2017, 9, 3514-3523.	8.0	88
18	Colorimetric Sensor Array for Discrimination of Heavy Metal Ions in Aqueous Solution Based on Three Kinds of Thiols as Receptors. Analytical Chemistry, 2018, 90, 4770-4775.	6.5	87

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19	Fe-doped Ag2S with excellent peroxidase-like activity for colorimetric determination of H2O2. Journal of Alloys and Compounds, 2019, 785, 1189-1197.	5.5	84
20	Multiply Wrapped Porphyrin Dyes with a Phenothiazine Donor: A High Efficiency of 11.7% Achieved through a Synergetic Coadsorption and Cosensitization Approach. ACS Applied Materials & Interfaces, 2019, 11, 5046-5054.	8.0	83
21	Glucose-sensitive colorimetric sensor based on peroxidase mimics activity of porphyrin-Fe3O4 nanocomposites. Materials Science and Engineering C, 2014, 41, 142-151.	7.3	81
22	A colorimetric sensor of H₂O₂ based on Co₃O₄â€“montmorillonite nanocomposites with peroxidase activity. New Journal of Chemistry, 2018, 42, 1501-1509.	2.8	79
23	Si Doped CoO Nanorods as Peroxidase Mimics for Colorimetric Sensing of Reduced Glutathione. ACS Sustainable Chemistry and Engineering, 2019, 7, 13989-13998.	6.7	75
24	PdCu alloy nanosheets-constructed 3D flowers: New highly sensitive materials for H2S detection. Sensors and Actuators B: Chemical, 2019, 289, 260-268.	7.8	74
25	One-step preparation of one dimensional nickel ferrites/graphene composites for supercapacitor electrode with excellent cycling stability. Journal of Power Sources, 2018, 396, 41-48.	7.8	73
26	Tumor microenvironment responsive FePt/MoS₂ nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. Nanoscale, 2019, 11, 19912-19922.	5.6	73
27	FeNi Cubic Cage@N-Doped Carbon Coupled with N-Doped Graphene toward Efficient Electrochemical Water Oxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 8266-8273.	6.7	68
28	Systematic optimization of the substituents on the phenothiazine donor of doubly strapped porphyrin sensitizers: an efficiency over 11% unassisted by any cosensitizer or coadsorbent. Journal of Materials Chemistry A, 2019, 7, 20854-20860.	10.3	68
29	FePt@MnO-Based Nanotheranostic Platform with Acidity-Triggered Dual-Ions Release for Enhanced MR Imaging-Guided Ferroptosis Chemodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 38395-38404.	8.0	67
30	N,Nâ€²-Di-carboxymethyl perylene diimide functionalized magnetic nanocomposites with enhanced peroxidase-like activity for colorimetric sensing of H₂O₂and glucose. New Journal of Chemistry, 2017, 41, 5853-5862.	2.8	65
31	Synthesis of well-dispersed Fe₃O₄ nanoparticles loaded on montmorillonite and sensitive colorimetric detection of H₂O₂ based on its peroxidase-like activity. New Journal of Chemistry, 2018, 42, 9578-9587.	2.8	65
32	Organic Sensitizers with Extended Conjugation Frameworks as Cosensitizers of Porphyrins for Developing Efficient Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 38880-38891.	8.0	65
33	Biomass waste derived multi-hierarchical porous carbon combined with CoFe2O4 as advanced electrode materials for supercapacitors. Journal of Alloys and Compounds, 2019, 782, 952-960.	5.5	65
34	Perylene diimide-functionalized CeO2 nanocomposite as a peroxidase mimic for colorimetric determination of hydrogen peroxide and glutathione. Mikrochimica Acta, 2019, 186, 332.	5.0	64
35	Carboxylic acid stimulated silver shell isomerism in a triple coreâ€“shell Ag₈₄ nanocluster. Chemical Science, 2019, 10, 4862-4867.	7.4	63
36	Red Thermally Activated Delayed Fluorescence and the Intersystem Crossing Mechanisms in Compact Naphthalimideâ€“Phenothiazine Electron Donor/Acceptor Dyads. Journal of Physical Chemistry C, 2019, 123, 30171-30186.	3.1	63

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37	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. Frontiers in Chemistry, 2019, 7, 821.	3.6	62
38	CoFeP hollow cube as advanced electrocatalyst for water oxidation. Inorganic Chemistry Frontiers, 2019, 6, 604-611.	6.0	61
39	In-situ growth of MnCo2O4 hollow spheres on nickel foam as pseudocapacitive electrodes for supercapacitors. Journal of Colloid and Interface Science, 2021, 587, 56-63.	9.4	60
40	N,Nâ€²-di-caboxy methyl perylene diimide (PDI) functionalized CuO nanocomposites with enhanced peroxidase-like activity and their application in visual biosensing of H₂O₂ and glucose. RSC Advances, 2017, 7, 25220-25228.	3.6	58
41	Dual mode electrochemical-photoelectrochemical sensing platform for hydrogen sulfide detection based on the inhibition effect of titanium dioxide/bismuth tungstate/silver heterojunction. Journal of Colloid and Interface Science, 2021, 581, 323-333.	9.4	58
42	One-pot synthesis of porphyrin functionalized Î³-Fe2O3 nanocomposites as peroxidase mimics for H2O2 and glucose detection. Materials Science and Engineering C, 2015, 55, 193-200.	7.3	57
43	Space Craft-like Octanuclear Co(II)-Silsesquioxane Nanocages: Synthesis, Structure, Magnetic Properties, Solution Behavior, and Catalytic Activity for Hydroboration of Ketones. Inorganic Chemistry, 2019, 58, 4574-4582.	4.0	57
44	Microwave deposition synthesis of Ni(OH)2/sorghum stalk biomass carbon electrode materials for supercapacitors. Journal of Alloys and Compounds, 2020, 846, 156376.	5.5	57
45	Stimuliâ€Responsive DNAâ€Gated Nanoscale Porous Carbon Derived from ZIFâ€8. Advanced Functional Materials, 2019, 29, 1902237.	14.9	55
46	Efficient bifunctional vanadium-doped Ni₃S₂ nanorod array for overall water splitting. Inorganic Chemistry Frontiers, 2019, 6, 443-450.	6.0	54
47	Ni(OH)₂ Templated Synthesis of Ultrathin Ni₃S₂ Nanosheets as Bifunctional Electrocatalyst for Overall Water Splitting. Small, 2021, 17, e2102097.	10.0	54
48	Protein recognition by polydopamine-based molecularly imprinted hollow spheres. Biosensors and Bioelectronics, 2019, 142, 111492.	10.1	53
49	Facile one-pot synthesis of a porphyrin-based hydrophilic porous organic polymer and application as recyclable absorbent for selective separation of methylene blue. Chemosphere, 2018, 212, 1038-1046.	8.2	52
50	5,10,15,20-tetrakis (4-carboxylphenyl) porphyrin functionalized NiCo2S4 yolk-shell nanospheres: Excellent peroxidase-like activity, catalytic mechanism and fast cascade colorimetric biosensor for cholesterol. Sensors and Actuators B: Chemical, 2021, 326, 128850.	7.8	52
51	High-performance peroxidase mimics for rapid colorimetric detection of H2O2 and glucose derived from perylene diimides functionalized Co3O4 nanoparticles. Materials Science and Engineering C, 2017, 80, 558-565.	7.3	51
52	Reverse Microemulsionâ€Assisted Synthesis of NiCo₂S₄ Nanoflakes Supported on Nickel Foam for Electrochemical Overall Water Splitting. Advanced Materials Interfaces, 2018, 5, 1701396.	3.7	51
53	Electronic-Tongue Colorimetric-Sensor Array for Discrimination and Quantitation of Metal Ions Based on Gold-Nanoparticle Aggregation. Analytical Chemistry, 2019, 91, 6315-6320.	6.5	51
54	A hybrid material composed of reduced graphene oxide and porous carbon prepared by carbonization of a zeolitic imidazolate framework (type ZIF-8) for voltammetric determination of chloramphenicol. Mikrochimica Acta, 2019, 186, 191.	5.0	49

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55	Higher catalytic activity of porphyrin functionalized Co3O4 nanostructures for visual and colorimetric detection of H2O2 and glucose. Materials Science and Engineering C, 2014, 43, 321-329.	7.3	48
56	Enhanced peroxidase-like activity of porphyrin functionalized ceria nanorods for sensitive and selective colorimetric detection of glucose. Materials Science and Engineering C, 2016, 59, 445-453.	7.3	48
57	â€œAggregation-to-Deaggregationâ€•Colorimetric Signal Amplification Strategy for Ag⁺ Detection at the Femtomolar Level with Dark-Field Microscope Observation. Analytical Chemistry, 2018, 90, 11723-11727.	6.5	47
58	meso-Triaryl-Substituted Smaragdyrins: Facile Aromaticity Switching. Journal of the American Chemical Society, 2018, 140, 16553-16559.	13.7	46
59	A Novel Electrochemical Sensor Based on Copperâ€based Metalâ€Organic Framework for the Determination of Dopamine. Journal of the Chinese Chemical Society, 2018, 65, 743-749.	1.4	45
60	Porphyrin functionalized Co(OH)₂/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. Analyst, The, 2019, 144, 5284-5291.	3.5	45
61	Facile strategy to prepare a metalloporphyrin-based hydrophilic porous organic polymer with enhanced peroxidase-like activity and high stability for colorimetric detection of H2O2 and glucose. Colloids and Surfaces B: Biointerfaces, 2019, 178, 137-145.	5.0	41
62	Y-Shaped DNA Duplex Structure-Triggered Gold Nanoparticle Dimers for Ultrasensitive Colorimetric Detection of Nucleic Acid with the Dark-Field Microscope. Analytical Chemistry, 2017, 89, 12850-12856.	6.5	40
63	Electrodepositing Pd on NiFe layered double hydroxide for improved water electrolysis. Materials Chemistry Frontiers, 2019, 3, 842-850.	5.9	40
64	Facile synthesis of V2O5/graphene composites as advanced electrode materials in supercapacitors. Journal of Alloys and Compounds, 2021, 862, 158006.	5.5	40
65	Efficient Removal of Zn(II), Pb(II), and Cd(II) in Waste Water Based on Magnetic Graphitic Carbon Nitride Materials with Enhanced Adsorption Capacity. Journal of Chemical & Engineering Data, 2018, 63, 3902-3912.	1.9	39
66	The catalytic activity of Ag2S-montmorillonites as peroxidase mimetic toward colorimetric detection of H2O2. Materials Science and Engineering C, 2016, 65, 109-115.	7.3	38
67	Ultrasmall Ternary FePtMn Nanocrystals with Acidityâ€Triggered Dualâ€Ions Release and Hypoxia Relief for Multimodal Synergistic Chemodynamic/Photodynamic/Photothermal Cancer Therapy. Advanced Healthcare Materials, 2020, 9, e1901634.	7.6	38
68	The facile preparation of novel magnetic zirconia composites with the aid of carboxymethyl chitosan and their efficient removal of dye. RSC Advances, 2016, 6, 58020-58027.	3.6	37
69	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. Biosensors and Bioelectronics, 2018, 120, 15-21.	10.1	37
70	Visible-Light-Driven 3D Dendritic PtAu@Pt Coreâ€“Shell Photocatalyst toward Liquid Fuel Electrooxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 7159-7167.	6.7	36
71	Enhanced hydrogen evolution of MoS₂/RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. Inorganic Chemistry Frontiers, 2018, 5, 2092-2099.	6.0	36
72	Selective Photocatalysis Approach for Introducing ArS Units into BODIPYs through Thiyl Radicals. Organic Letters, 2019, 21, 733-736.	4.6	36

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73	Peroxidase mimetic activity of porphyrin modified ZnFe2O4/reduced graphene oxide and its application for colorimetric detection of H2O2 and glutathione. Colloids and Surfaces B: Biointerfaces, 2019, 181, 567-575.	5.0	36
74	Solar Cells Sensitized with Porphyrin Dyes Containing Oligo(Ethylene Glycol) Units: A High Efficiency Beyond 12â€‰%. ChemSusChem, 2019, 12, 2802-2809.	6.8	36
75	Electrochemical sandwich-type thrombin aptasensor based on dual signal amplification strategy of silver nanowires and hollow Auâ€“CeO2. Biosensors and Bioelectronics, 2020, 150, 111846.	10.1	36
76	Cobalt and nickel bimetallic sulfide nanoparticles immobilized on montmorillonite demonstrating peroxidase-like activity for H₂O₂ detection. New Journal of Chemistry, 2018, 42, 18749-18758.	2.8	34
77	A novel ECL method for histone acetyltransferases (HATs) activity analysis by integrating HCR signal amplification and ECL silver clusters. Talanta, 2019, 198, 39-44.	5.5	34
78	Ultrasensitive DNA biosensor based on electrochemical atom transfer radical polymerization. Biosensors and Bioelectronics, 2019, 131, 193-199.	10.1	34
79	Metal-Free 2(3),9(10),16(17),23(24)-Octamethoxyphthalocyanine-Modified Uniform CoSn(OH)₆ Nanocubes: Enhanced Peroxidase-like Activity, Catalytic Mechanism, and Fast Colorimetric Sensing for Cholesterol. ACS Sustainable Chemistry and Engineering, 2020, 8, 9404-9414.	6.7	34
80	In vitro corrosion of pure Mg in phosphate buffer solutionâ€”Influences of isoelectric point and molecular structure of amino acids. Materials Science and Engineering C, 2019, 105, 110042.	7.3	33
81	Facile synthesis of strontium ferrite nanorods/graphene composites as advanced electrode materials for supercapacitors. Journal of Colloid and Interface Science, 2021, 588, 795-803.	9.4	33
82	In vitro corrosion of magnesium alloy AZ31 â€” a synergetic influence of glucose and Tris. Frontiers of Materials Science, 2018, 12, 184-197.	2.2	32
83	VS₄â€Đecorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. ChemSusChem, 2020, 13, 1637-1644.	6.8	32
84	Porphyrin nanotubes composed of highly ordered molecular arrays prepared by anodic aluminum template method. RSC Advances, 2013, 3, 2765.	3.6	31
85	Solar cells sensitized by porphyrin dyes containing a substituted carbazole donor with synergistically extended absorption and suppressed the dye aggregation. Chinese Chemical Letters, 2020, 31, 1927-1930.	9.0	31
86	Multi-layer CeO2-wrapped Ag2S microspheres with enhanced peroxidase-like activity for sensitive detection of dopamine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 565, 1-7.	4.7	30
87	Colorimetric Differentiation of Flavonoids Based on Effective Reactivation of Acetylcholinesterase Induced by Different Affnities between Flavonoids and Metal Ions. Analytical Chemistry, 2020, 92, 3361-3365.	6.5	30
88	5,10,15,20-Tetrakis(4-carboxyl phenyl)porphyrinâ€“CdS nanocomposites with intrinsic peroxidase-like activity for glucose colorimetric detection. Materials Science and Engineering C, 2014, 42, 177-184.	7.3	29
89	A facile strategy for the preparation of ZnS nanoparticles deposited on montmorillonite and their higher catalytic activity for rapidly colorimetric detection of H 2 O 2. Materials Science and Engineering C, 2016, 67, 188-194.	7.3	29
90	One-step in situ synthesis of strontium ferrites and strontium ferrites/graphene composites as microwave absorbing materials. RSC Advances, 2017, 7, 40650-40657.	3.6	29

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91	Rapid colorimetric determination of dopamine based on the inhibition of the peroxidase mimicking activity of platinum loaded CoSn(OH)6 nanocubes. Mikrochimica Acta, 2019, 186, 755.	5.0	29
92	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H2O2 detection. Nano Research, 2022, 15, 4266-4273.	10.4	29
93	Fabricating Bis(phthalocyaninato) Terbium SIM into Tetrakis(phthalocyaninato) Terbium SMM with Enhanced Performance through Sodium Coordination. Chemistry - A European Journal, 2018, 24, 8066-8070.	3.3	28
94	5,10,15,20-Tetrakis(4-carboxylphenyl)porphyrin modified nickel-cobalt layer double hydroxide nanosheets as enhanced photoelectrocatalysts for methanol oxidation under visible-light. Journal of Colloid and Interface Science, 2020, 561, 881-889.	9.4	28
95	Flower-like CeO₂/CoO pâ€“n Heterojuncted Nanocomposites with Enhanced Peroxidase-Mimicking Activity for <scp>l</scp>-Cysteine Sensing. ACS Sustainable Chemistry and Engineering, 2020, 8, 17540-17550.	6.7	28
96	Colorimetric ascorbic acid sensing from a synergetic catalytic strategy based on 5,10,15,20-tetra(4-pyridyl)-21H,23H-porphyrin functionalized CuS nanohexahedrons with the enhanced peroxidase-like activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 598, 124855.	4.7	28
97	Oneâ€step in situ growth of magnesium ferrite nanorods on graphene and their microwaveâ€absorbing properties. Applied Organometallic Chemistry, 2018, 32, e4017.	3.5	27
98	A close-packed imprinted colloidal array for naked-eye detection of glycoproteins under physiological pH. Biosensors and Bioelectronics, 2019, 142, 111499.	10.1	27
99	A Triple-Channel Colorimetric Sensor Array for Identification of Biothiols Based on Color RGB (Red/Green/Blue) as Signal Readout. ACS Sustainable Chemistry and Engineering, 2019, 7, 17482-17490.	6.7	27
100	Efficient solar cells based on cosensitizing porphyrin dyes containing a wrapped donor, a wrapped Ï€-framework and a substituted benzothiadiazole unit. Science China Chemistry, 2019, 62, 994-1000.	8.2	27
101	A novel 58-nuclei silver nanowheel encapsulating a subvalent Ag64+ kernel. Science China Chemistry, 2020, 63, 16-20.	8.2	27
102	Facile fabrication of a NiO/Ag₃PO₄ Z-scheme photocatalyst with enhanced visible-light-driven photocatalytic activity. New Journal of Chemistry, 2020, 44, 12806-12814.	2.8	27
103	Magnetic Flower-like Fe-Doped CoO Nanocomposites with Dual Enzyme-like Activities for Facile and Sensitive Determination of H₂O₂ and Dopamine. Inorganic Chemistry, 2021, 60, 1893-1901.	4.0	27
104	Nano-scale minerals in-situ supporting CeO2 nanoparticles for off-on colorimetric detection of Lâ€“penicillamine and Cu2+ ion. Journal of Hazardous Materials, 2022, 433, 128766.	12.4	27
105	Protein Discrimination Using a Colorimetric Sensor Array Based on Gold Nanoparticle Aggregation Induced by Cationic Polymer. ACS Sustainable Chemistry and Engineering, 2018, 6, 10751-10757.	6.7	26
106	One-step synthesis of aÂMethylene Blue@ZIF-8-reduced graphene oxide nanocomposite and its application to electrochemical sensing of rutin. Mikrochimica Acta, 2018, 185, 279.	5.0	25
107	Photoelectrochemical cell enhanced by ternary heterostructured photoanode: Toward high-performance self-powered cathodic cytosensing. Biosensors and Bioelectronics, 2019, 137, 52-57.	10.1	25
108	A facile preparation of FePt-loaded few-layer MoS2 nanosheets nanocomposites (F-MoS2-FePt NCs) and their application for colorimetric detection of H2O2 in living cells. Journal of Nanobiotechnology, 2019, 17, 38.	9.1	25

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109	V2O5-montmorillonite nanocomposites of peroxidase-like activity and their application in the detection of H2O2 and glutathione. Applied Clay Science, 2020, 195, 105718.	5.2	25
110	Development of a Luminescent Dinuclear Ir(III) Complex for Ultrasensitive Determination of Pesticides. Analytical Chemistry, 2018, 90, 11716-11722.	6.5	24
111	Phenanthro[b]-Fused BODIPYs through Tandem Suzuki and Oxidative Aromatic Couplings: Synthesis and Photophysical Properties. Journal of Organic Chemistry, 2019, 84, 9693-9704.	3.2	24
112	Hierarchical Ni(OH)₂â€MnO₂ Array as Supercapacitor Electrode with High Capacity. Advanced Materials Interfaces, 2019, 6, 1801470.	3.7	23
113	Ni₃[Fe(CN)₆]₂ nanocubes boost the catalytic activity of Pt for electrochemical hydrogen evolution. Inorganic Chemistry Frontiers, 2018, 5, 1683-1689.	6.0	23
114	5,10,15,20-tetrakis (4-carboxyl phenyl) porphyrinâ€"functionalized urchin-like CuCo2O4 as an excellent artificial nanozyme for determination of dopamine. Mikrochimica Acta, 2021, 188, 171.	5.0	23
115	Porphyrin-Modified NiS₂ Nanoparticles Anchored on Graphene for the Specific Determination of Cholesterol. ACS Applied Nano Materials, 2021, 4, 11960-11968.	5.0	23
116	A novel catalyst for efficient electrooxidation of ethanol enabled by 3D open-structured PdCu nanocages. Journal of Colloid and Interface Science, 2019, 555, 195-202.	9.4	22
117	A pillar-layered porous Co^{II}-MOF with dual active sites for selective gas adsorption. CrystEngComm, 2018, 20, 4905-4909.	2.6	21
118	Meso-tetrakis(4-chlorophenyl)porphyrin functionalized CuFe2O4/SiO2 nanocomposites with enhanced peroxidase-like activity conveniently using for visual biosensing at room temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 569, 28-34.	4.7	21
119	N,N-dicarboxymethyl Perylene-diimide modified CeCoO3: Enhanced peroxidase activity, synergetic catalytic mechanism and glutathione colorimetric sensing. Talanta, 2020, 218, 121142.	5.5	21
120	Colorimetric Differentiation of Multiple Oxidizing Anions Based on Two Coreâ€"Shell Au@Ag Nanoparticles with Different Morphologies as Array Recognition Elements. Analytical Chemistry, 2020, 92, 7123-7129.	6.5	21
121	Biomass activated carbonâ€"derived imprinted polymer with multi-boronic acid sites for selective capture of glycoprotein. Journal of Colloid and Interface Science, 2021, 596, 225-232.	9.4	21
122	CoO Nanotubes Loaded on Graphene and Modified with Porphyrin Moieties for Colorimetric Sensing of Dopamine. ACS Applied Nano Materials, 2021, 4, 8706-8715.	5.0	21
123	Self-assembly into temperature dependent micro-/nano-aggregates of 5,10,15,20-tetrakis(4-carboxyl) Tj ETQq1 1 0.784314 rgBT /Ove	7.3	20
124	Colorimetric aggregation based cadmium(II)Âassay by using triangular silver nanoplatesÂfunctionalized with 1-amino-2-naphthol-4-sulfonate. Mikrochimica Acta, 2018, 185, 6.	5.0	20
125	Organotrifluoroborate Salts as Complexation Reagents for Synthesizing BODIPY Dyes Containing Both Fluoride and an Organo Substituent at the Boron Center. Journal of Organic Chemistry, 2019, 84, 2732-2740.	3.2	20
126	Synthesis, structure and magnetism of a novel CuII4TiIV5 heterometallic cluster. Chinese Chemical Letters, 2020, 31, 809-812.	9.0	20

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127	Hg2+ Significantly Enhancing the Peroxidase-Like Activity of H2TCPP/ZnS/CoS Nanoperoxidases by Inducing the Formation of Surface-Cation Defects and Application for the Sensitive and Selective Detection of Hg2+ in the Environment. Inorganic Chemistry, 2020, 59, 18384-18395.	4.0	20
128	Hydroquinone colorimetric sensing based on platinum deposited on CdS nanorods as peroxidase mimics. Mikrochimica Acta, 2020, 187, 587.	5.0	20
129	Novel synthesis of NiS/MMT/GO nanocomposites with enhanced peroxidase-like activity for sensitive colorimetric detection of glutathione in solution. Advanced Composites and Hybrid Materials, 2018, 1, 612-623.	21.1	18
130	Combining evident photocurrent of photoanode with signal amplification of biocathode: toward a sensitivity and specificity enhanced photoelectrochemical immunosensor. Sensors and Actuators B: Chemical, 2019, 283, 705-713.	7.8	18
131	Enhanced peroxidaseâ€like activity of MMTâ€supported cuprous oxide nanocomposites toward rapid colorimetric estimation of H₂O₂. Applied Organometallic Chemistry, 2019, 33, e4716.	3.5	18
132	Rapid colorimetric sensing of ascorbic acid based on the excellent peroxidase-like activity of Pt deposited on ZnCo₂O₄ spheres. New Journal of Chemistry, 2020, 44, 12002-12008.	2.8	18
133	A flowerlike FePt/MnO₂/GOx-based cascade nanoreactor with sustainable O₂ supply for synergistic starvation-chemodynamic anticancer therapy. Journal of Materials Chemistry B, 2021, 9, 8480-8490.	5.8	18
134	Precise Design of Atomically Dispersed Fe, Pt Dinuclear Catalysts and Their Synergistic Application for Tumor Catalytic Therapy. ACS Applied Materials & Interfaces, 2022, 14, 20669-20681.	8.0	18
135	CdCl₂Â·H₂O nanorods oriented parallel on the Langmuir film of (phthalocyaninato) [tetrakis(4-pyridyl)porphyrinato] cerium complex. CrystEngComm, 2012, 14, 1105-1110.	2.6	17
136	Colorimetric Detection of Thrombin Based on Intensity of Gold Nanoparticle Oligomers with Dark-Field Microscope. ACS Sustainable Chemistry and Engineering, 2018, 6, 6738-6745.	6.7	17
137	A Chrono-Colorimetric Sensor Array for Differentiation of Catechins Based on Silver Nitrate-Induced Metallization of Gold Nanoparticles at Different Reaction Time Intervals. ACS Sustainable Chemistry and Engineering, 2019, 7, 17306-17312.	6.7	17
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