

Yan Gao

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

5,812
citations

39
h-index

66
g-index

214
ext. papers

7,236
ext. citations

6.4
avg, IF

6.48
L-index

#	Paper	IF	Citations
208	Red-Emissive Carbon Dots for Fluorescent, Photoacoustic, and Thermal Theranostics in Living Mice. <i>Advanced Materials</i> , 2015 , 27, 4169-77	24	619
207	NiO nanoparticles modified with 5,10,15,20-tetrakis(4-carboxyl phenyl)-porphyrin: promising peroxidase mimetics for H ₂ O ₂ and glucose detection. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 147-53	11.8	248
206	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 775-783	8.5	177
205	One-step synthesis of uniform nanoparticles of porphyrin functionalized ceria with promising peroxidase mimetics for H ₂ O ₂ and glucose colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 726-734	8.5	168
204	Montmorillonite-loaded ceria nanocomposites with superior peroxidase-like activity for rapid colorimetric detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 848-856	8.5	134
203	Colorimetric and ultrasensitive detection of H ₂ O ₂ based on Au/Co ₃ O ₄ -CeO _x nanocomposites with enhanced peroxidase-like performance. <i>Sensors and Actuators B: Chemical</i> , 2018 , 271, 336-345	8.5	133
202	A facile strategy to prepare porphyrin functionalized ZnS nanoparticles and their peroxidase-like catalytic activity for colorimetric sensor of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 339-348	8.5	120
201	Porphyrin-sensitized solar cells: systematic molecular optimization, coadsorption and cosensitization. <i>Chemical Communications</i> , 2018 , 54, 1811-1824	5.8	106
200	An electrochemical sensor based on copper-based metal-organic frameworks-graphene composites for determination of dihydroxybenzene isomers in water. <i>Talanta</i> , 2018 , 181, 80-86	6.2	98
199	A facile preparation of montmorillonite-supported copper sulfide nanocomposites and their application in the detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 28-35	8.5	94
198	Glutathione detection based on peroxidase-like activity of Co ₃ O ₄ /Montmorillonite nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1635-1639	8.5	86
197	Iron Doped CuSn(OH) ₆ Microspheres as a Peroxidase-Mimicking Artificial Enzyme for H ₂ O ₂ Colorimetric Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14383-14393	8.3	82
196	Efficient solar cells sensitized by a promising new type of porphyrin: dye-aggregation suppressed by double strapping. <i>Chemical Science</i> , 2019 , 10, 2186-2192	9.4	81
195	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to HO. <i>Materials Science and Engineering C</i> , 2018 , 90, 610-620	8.3	74
194	Crab shell derived multi-hierarchical carbon materials as a typical recycling of waste for high performance supercapacitors. <i>Carbon</i> , 2019 , 141, 748-757	10.4	74
193	Charge separation, charge recombination, long-lived charge transfer state formation and intersystem crossing in organic electron donor/acceptor dyads. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12048-12074	7.1	73
192	Colorimetric Sensor Array for Discrimination of Heavy Metal Ions in Aqueous Solution Based on Three Kinds of Thiols as Receptors. <i>Analytical Chemistry</i> , 2018 , 90, 4770-4775	7.8	68

191	Glucose-sensitive colorimetric sensor based on peroxidase mimics activity of porphyrin-Fe ₃ O ₄ nanocomposites. <i>Materials Science and Engineering C</i> , 2014 , 41, 142-51	8.3	68
190	A colorimetric sensor of H ₂ O ₂ based on Co ₃ O ₄ /montmorillonite nanocomposites with peroxidase activity. <i>New Journal of Chemistry</i> , 2018 , 42, 1501-1509	3.6	67
189	Porphyrin-Based Porous Organic Frameworks as a Biomimetic Catalyst for Highly Efficient Colorimetric Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3514-3523	9.5	62
188	Fe-doped Ag ₂ S with excellent peroxidase-like activity for colorimetric determination of H ₂ O ₂ . <i>Journal of Alloys and Compounds</i> , 2019 , 785, 1189-1197	5.7	61
187	Multiply Wrapped Porphyrin Dyes with a Phenothiazine Donor: A High Efficiency of 11.7% Achieved through a Synergetic Coadsorption and Cosensitization Approach. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5046-5054	9.5	61
186	N,N'-Di-carboxymethyl perylene diimide functionalized magnetic nanocomposites with enhanced peroxidase-like activity for colorimetric sensing of H ₂ O ₂ and glucose. <i>New Journal of Chemistry</i> , 2017 , 41, 5853-5862	3.6	60
185	FeNi Cubic Carbon Coupled with N-Doped Graphene toward Efficient Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8266-8273	8.3	56
184	N,N'-di-carboxy methyl perylene diimide (PDI) functionalized CuO nanocomposites with enhanced peroxidase-like activity and their application in visual biosensing of H ₂ O ₂ and glucose. <i>RSC Advances</i> , 2017 , 7, 25220-25228	3.7	55
183	Synthesis of well-dispersed Fe ₃ O ₄ nanoparticles loaded on montmorillonite and sensitive colorimetric detection of H ₂ O ₂ based on its peroxidase-like activity. <i>New Journal of Chemistry</i> , 2018 , 42, 9578-9587	3.6	54
182	Tumor microenvironment responsive FePt/MoS ₂ nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. <i>Nanoscale</i> , 2019 , 11, 19912-19922	7.7	51
181	Organic Sensitizers with Extended Conjugation Frameworks as Cosensitizers of Porphyrins for Developing Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38880-38891	9.5	51
180	Si Doped CoO Nanorods as Peroxidase Mimics for Colorimetric Sensing of Reduced Glutathione. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13989-13998	8.3	50
179	One-step preparation of one dimensional nickel ferrites/graphene composites for supercapacitor electrode with excellent cycling stability. <i>Journal of Power Sources</i> , 2018 , 396, 41-48	8.9	49
178	One-pot synthesis of porphyrin functionalized Fe ₂ O ₃ nanocomposites as peroxidase mimics for H ₂ O ₂ and glucose detection. <i>Materials Science and Engineering C</i> , 2015 , 55, 193-200	8.3	47
177	Enhanced peroxidase-like activity of porphyrin functionalized ceria nanorods for sensitive and selective colorimetric detection of glucose. <i>Materials Science and Engineering C</i> , 2016 , 59, 445-453	8.3	43
176	Biomass waste derived multi-hierarchical porous carbon combined with CoFe ₂ O ₄ as advanced electrode materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 952-960	5.7	43
175	Perylene diimide-functionalized CeO ₂ nanocomposite as a peroxidase mimic for colorimetric determination of hydrogen peroxide and glutathione. <i>Mikrochimica Acta</i> , 2019 , 186, 332	5.8	42
174	PdCu alloy nanosheets-constructed 3D flowers: New highly sensitive materials for H ₂ S detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 289, 260-268	8.5	42

173	High-performance peroxidase mimics for rapid colorimetric detection of HO and glucose derived from perylene diimides functionalized CoO nanoparticles. <i>Materials Science and Engineering C</i> , 2017 , 80, 558-565	8.3	42
172	Space Craft-like Octanuclear Co(II)-Silsesquioxane Nanocages: Synthesis, Structure, Magnetic Properties, Solution Behavior, and Catalytic Activity for Hydroboration of Ketones. <i>Inorganic Chemistry</i> , 2019 , 58, 4574-4582	5.1	41
171	Systematic optimization of the substituents on the phenothiazine donor of doubly strapped porphyrin sensitizers: an efficiency over 11% unassisted by any cosensitizer or coadsorbent. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20854-20860	13	41
170	Higher catalytic activity of porphyrin functionalized CoO nanostructures for visual and colorimetric detection of H ₂ O ₂ and glucose. <i>Materials Science and Engineering C</i> , 2014 , 43, 321-9	8.3	41
169	Reverse Microemulsion-Assisted Synthesis of NiCo ₂ S ₄ Nanoflakes Supported on Nickel Foam for Electrochemical Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701396	4.6	39
168	Efficient bifunctional vanadium-doped Ni ₃ S ₂ nanorod array for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 443-450	6.8	39
167	Carboxylic acid stimulated silver shell isomerism in a triple core-shell Ag nanocluster. <i>Chemical Science</i> , 2019 , 10, 4862-4867	9.4	38
166	FePt@MnO-Based Nanotheranostic Platform with Acidity-Triggered Dual-Ions Release for Enhanced MR Imaging-Guided Ferroptosis Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38395-38404	9.5	37
165	Electronic-Tongue Colorimetric-Sensor Array for Discrimination and Quantitation of Metal Ions Based on Gold-Nanoparticle Aggregation. <i>Analytical Chemistry</i> , 2019 , 91, 6315-6320	7.8	37
164	CoFeP hollow cube as advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 604-611	6.8	35
163	The facile preparation of novel magnetic zirconia composites with the aid of carboxymethyl chitosan and their efficient removal of dye. <i>RSC Advances</i> , 2016 , 6, 58020-58027	3.7	34
162	"Aggregation-to-Deaggregation" Colorimetric Signal Amplification Strategy for Ag Detection at the Femtomolar Level with Dark-Field Microscope Observation. <i>Analytical Chemistry</i> , 2018 , 90, 11723-11727	7.8	34
161	Visible-Light-Driven 3D Dendritic PtAu@Pt Core-Shell Photocatalyst toward Liquid Fuel Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7159-7167	8.3	33
160	The catalytic activity of Ag ₂ S-montmorillonites as peroxidase mimetic toward colorimetric detection of H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2016 , 65, 109-15	8.3	33
159	Microwave deposition synthesis of Ni(OH) ₂ /sorghum stalk biomass carbon electrode materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020 , 846, 156376	5.7	32
158	Y-Shaped DNA Duplex Structure-Triggered Gold Nanoparticle Dimers for Ultrasensitive Colorimetric Detection of Nucleic Acid with the Dark-Field Microscope. <i>Analytical Chemistry</i> , 2017 , 89, 12850-12856	7.8	31
157	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. <i>Mikrochimica Acta</i> , 2019 , 186, 191	5.8	31
156	Cobalt and nickel bimetallic sulfide nanoparticles immobilized on montmorillonite demonstrating peroxidase-like activity for H ₂ O ₂ detection. <i>New Journal of Chemistry</i> , 2018 , 42, 18749-18758	3.6	31

155	Stimuli-Responsive DNA-Gated Nanoscale Porous Carbon Derived from ZIF-8. <i>Advanced Functional Materials</i> , 2019 , 29, 1902237	15.6	30
154	Electrodepositing Pd on NiFe layered double hydroxide for improved water electrolysis. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 842-850	7.8	30
153	Facile one-pot synthesis of a porphyrin-based hydrophilic porous organic polymer and application as recyclable absorbent for selective separation of methylene blue. <i>Chemosphere</i> , 2018 , 212, 1038-1046	8.4	30
152	Porphyrin functionalized Co(OH)/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <i>Analyst, The</i> , 2019 , 144, 5284-5291	5	30
151	Porphyrin nanotubes composed of highly ordered molecular arrays prepared by anodic aluminum template method. <i>RSC Advances</i> , 2013 , 3, 2765	3.7	29
150	Facile strategy to prepare a metalloporphyrin-based hydrophilic porous organic polymer with enhanced peroxidase-like activity and high stability for colorimetric detection of HO and glucose. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 137-145	6	28
149	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. <i>Frontiers in Chemistry</i> , 2019 , 7, 821	5	28
148	Red Thermally Activated Delayed Fluorescence and the Intersystem Crossing Mechanisms in Compact Naphthalimide-Phenothiazine Electron Donor/Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30171-30186	3.8	28
147	A Novel Electrochemical Sensor Based on Copper-based Metal-Organic Framework for the Determination of Dopamine. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 743-749	1.5	26
146	Protein recognition by polydopamine-based molecularly imprinted hollow spheres. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111492	11.8	26
145	5,10,15,20-tetrakis(4-carboxyl phenyl)porphyrin-CdS nanocomposites with intrinsic peroxidase-like activity for glucose colorimetric detection. <i>Materials Science and Engineering C</i> , 2014 , 42, 177-84	8.3	26
144	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 . <i>Materials Science and Engineering C</i> , 2016 , 67, 188-194	8.3	26
143	Multi-layer CeO ₂ -wrapped Ag ₂ S microspheres with enhanced peroxidase-like activity for sensitive detection of dopamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 565, 1-7	5.1	26
142	Enhanced hydrogen evolution of MoS ₂ /RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2092-2099	6.8	26
141	Dual mode electrochemical-photoelectrochemical sensing platform for hydrogen sulfide detection based on the inhibition effect of titanium dioxide/bismuth tungstate/silver heterojunction. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 323-333	9.3	25
140	meso-Triaryl-Substituted Smaragdyrins: Facile Aromaticity Switching. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16553-16559	16.4	25
139	Selective Photocatalysis Approach for Introducing ArS Units into BODIPYs through Thiyl Radicals. <i>Organic Letters</i> , 2019 , 21, 733-736	6.2	24
138	Electrochemical sandwich-type thrombin aptasensor based on dual signal amplification strategy of silver nanowires and hollow Au-CeO. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111846	11.8	24

137	Fabricating Bis(phthalocyaninato) Terbium SIM into Tetrakis(phthalocyaninato) Terbium SMM with Enhanced Performance through Sodium Coordination. <i>Chemistry - A European Journal</i> , 2018 , 24, 8066-8070	4.8	23
136	In vitro corrosion of magnesium alloy AZ31 in the synergistic influence of glucose and Tris. <i>Frontiers of Materials Science</i> , 2018 , 12, 184-197	2.5	23
135	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 15-21	11.8	23
134	Efficient Removal of Zn(II), Pb(II), and Cd(II) in Waste Water Based on Magnetic Graphitic Carbon Nitride Materials with Enhanced Adsorption Capacity. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3902-3912	2.8	23
133	A novel ECL method for histone acetyltransferases (HATs) activity analysis by integrating HCR signal amplification and ECL silver clusters. <i>Talanta</i> , 2019 , 198, 39-44	6.2	22
132	Peroxidase mimetic activity of porphyrin modified ZnFeO/reduced graphene oxide and its application for colorimetric detection of HO and glutathione. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 567-575	6	22
131	Solar Cells Sensitized with Porphyrin Dyes Containing Oligo(Ethylene Glycol) Units: A High Efficiency Beyond 12 . <i>ChemSusChem</i> , 2019 , 12, 2802-2809	8.3	22
130	Ultrasensitive DNA biosensor based on electrochemical atom transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 193-199	11.8	22
129	In vitro corrosion of pure Mg in phosphate buffer solution-Influences of isoelectric point and molecular structure of amino acids. <i>Materials Science and Engineering C</i> , 2019 , 105, 110042	8.3	21
128	Protein Discrimination Using a Colorimetric Sensor Array Based on Gold Nanoparticle Aggregation Induced by Cationic Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10751-10757	8.3	20
127	Development of a Luminescent Dinuclear Ir(III) Complex for Ultrasensitive Determination of Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 11716-11722	7.8	20
126	Efficient solar cells based on cosensitizing porphyrin dyes containing a wrapped donor, a wrapped Eframework and a substituted benzothiadiazole unit. <i>Science China Chemistry</i> , 2019 , 62, 994-1000	7.9	18
125	Photoelectrochemical cell enhanced by ternary heterostructured photoanode: Toward high-performance self-powered cathodic cytosensing. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 52-57	11.8	18
124	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9404-9414	8.3	18
123	One-step synthesis of a[Methylene Blue@ZIF-8-reduced graphene oxide nanocomposite and its application to electrochemical sensing of rutin. <i>Mikrochimica Acta</i> , 2018 , 185, 279	5.8	18
122	One-step in situ synthesis of strontium ferrites and strontium ferrites/graphene composites as microwave absorbing materials. <i>RSC Advances</i> , 2017 , 7, 40650-40657	3.7	18
121	Ni ₃ [Fe(CN) ₆] ₂ nanocubes boost the catalytic activity of Pt for electrochemical hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1683-1689	6.8	18
120	One-step in situ growth of magnesium ferrite nanorods on graphene and their microwave-absorbing properties. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4017	3.1	17

119	A pillar-layered porous CoII-MOF with dual active sites for selective gas adsorption. <i>CrystEngComm</i> , 2018 , 20, 4905-4909	3.3	17
118	Ultrasmall Ternary FePtMn Nanocrystals with Acidity-Triggered Dual-Ions Release and Hypoxia Relief for Multimodal Synergistic Chemodynamic/Photodynamic/Photothermal Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901634	10.1	17
117	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. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128850	8.5	17
116	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 598, 124855	5.1	16
115	Phenanthro[3]-Fused BODIPYs through Tandem Suzuki and Oxidative Aromatic Couplings: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9693-9704	4.2	16
114	Rapid colorimetric determination of dopamine based on the inhibition of the peroxidase mimicking activity of platinum loaded CoSn(OH) nanocubes. <i>Mikrochimica Acta</i> , 2019 , 186, 755	5.8	16
113	CdCl2·2H2O nanorods oriented parallel on the Langmuir film of (phthalocyaninato) [tetrakis(4-pyridyl)porphyrinato] cerium complex. <i>CrystEngComm</i> , 2012 , 14, 1105-1110	3.3	16
112	5,10,15,20-Tetrakis(4-carboxylphenyl)porphyrin modified nickel-cobalt layer double hydroxide nanosheets as enhanced photoelectrocatalysts for methanol oxidation under visible-light. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 881-889	9.3	16
111	Meso-tetrakis(4-chlorophenyl)porphyrin functionalized CuFe2O4/SiO2 nanocomposites with enhanced peroxidase-like activity conveniently using for visual biosensing at room temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 569, 28-34	5.1	16
110	In-situ growth of MnCoO hollow spheres on nickel foam as pseudocapacitive electrodes for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 56-63	9.3	16
109	A facile preparation of FePt-loaded few-layer MoS nanosheets nanocomposites (F-MoS-FePt NCs) and their application for colorimetric detection of HO in living cells. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 38	9.4	15
108	Facile fabrication of a NiO/Ag3PO4 Z-scheme photocatalyst with enhanced visible-light-driven photocatalytic activity. <i>New Journal of Chemistry</i> , 2020 , 44, 12806-12814	3.6	15
107	A Triple-Channel Colorimetric Sensor Array for Identification of Biothiols Based on Color RGB (Red/Green/Blue) as Signal Readout. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17482-17490	8.3	15
106	A novel 58-nuclei silver nanowheel encapsulating a subvalent Ag64+ kernel. <i>Science China Chemistry</i> , 2020 , 63, 16-20	7.9	15
105	VS -Decorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. <i>ChemSusChem</i> , 2020 , 13, 1637-1644	8.3	15
104	Solar cells sensitized by porphyrin dyes containing a substituted carbazole donor with synergistically extended absorption and suppressed the dye aggregation. <i>Chinese Chemical Letters</i> , 2020 , 31, 1927-1930	8.1	14
103	Colorimetric Differentiation of Flavonoids Based on Effective Reactivation of Acetylcholinesterase Induced by Different Affinities between Flavonoids and Metal Ions. <i>Analytical Chemistry</i> , 2020 , 92, 3361-3365	7.8	14
102	Colorimetric Differentiation of Multiple Oxidizing Anions Based on Two Core-Shell Au@Ag Nanoparticles with Different Morphologies as Array Recognition Elements. <i>Analytical Chemistry</i> , 2020 , 92, 7123-7129	7.8	14

101	Colorimetric Detection of Thrombin Based on Intensity of Gold Nanoparticle Oligomers with Dark-Field Microscope. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6738-6745	8.3	14
100	A close-packed imprinted colloidal array for naked-eye detection of glycoproteins under physiological pH. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111499	11.8	14
99	Self-assembly into temperature dependent micro-/nano-aggregates of 5,10,15,20-tetrakis(4-carboxyl phenyl)-porphyrin. <i>Materials Science and Engineering C</i> , 2013 , 33, 4944-51	8.3	14
98	Ni(OH) Templated Synthesis of Ultrathin Ni S Nanosheets as Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2021 , 17, e2102097	11	14
97	Facile synthesis of V2O5/graphene composites as advanced electrode materials in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 862, 158006	5.7	14
96	Colorimetric aggregation based cadmium(II) assay by using triangular silver nanoplates functionalized with 1-amino-2-naphthol-4-sulfonate. <i>Mikrochimica Acta</i> , 2017 , 185, 6	5.8	14
95	Organotrifluoroborate Salts as Complexation Reagents for Synthesizing BODIPY Dyes Containing Both Fluoride and an Organo Substituent at the Boron Center. <i>Journal of Organic Chemistry</i> , 2019 , 84, 2732-2740	4.2	13
94	Novel synthesis of NiS/MMT/GO nanocomposites with enhanced peroxidase-like activity for sensitive colorimetric detection of glutathione in solution. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 612-623	8.7	13
93	Combining evident photocurrent of photoanode with signal amplification of biocathode: toward a sensitivity and specificity enhanced photoelectrochemical immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 705-713	8.5	13
92	Synthesis, structure and magnetism of a novel CuII4TiIV5 heterometallic cluster. <i>Chinese Chemical Letters</i> , 2020 , 31, 809-812	8.1	13
91	Colorimetric detection of L-histidine based on the target-triggered self-cleavage of swing-structured DNA duplex-induced aggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 452	5.8	13
90	The aptamer-thrombin-aptamer sandwich complex-bridged gold nanoparticle oligomers for high-precision profiling of thrombin by dark field microscopy. <i>Analytica Chimica Acta</i> , 2018 , 1028, 66-76	6.6	12
89	3,4:9,10-perylene tetracarboxylic acid-modified zinc ferrite with the enhanced peroxidase activity for sensing of ascorbic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124250	5.1	12
88	Flower-like CeO2/CoO pB Heterojuncted Nanocomposites with Enhanced Peroxidase-Mimicking Activity for l-Cysteine Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17540-17550	8.3	12
87	A facile high-speed vibration milling method to mass production of water-dispersible silicon quantum dots for long-term cell imaging. <i>RSC Advances</i> , 2015 , 5, 35291-35296	3.7	11
86	Enhanced peroxidase-like activity of MMT-supported cuprous oxide nanocomposites toward rapid colorimetric estimation of H2O2. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4716	3.1	11
85	Facile synthesis of strontium ferrite nanorods/graphene composites as advanced electrode materials for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 795-803	9.3	11
84	Magnetic Flower-like Fe-Doped CoO Nanocomposites with Dual Enzyme-like Activities for Facile and Sensitive Determination of HO and Dopamine. <i>Inorganic Chemistry</i> , 2021 , 60, 1893-1901	5.1	11

83	Enhanced peroxidase-like activity of porphyrin functionalized ZnFe ₂ O ₄ hollow nanospheres for rapid detection of H ₂ O ₂ and glucose. <i>New Journal of Chemistry</i> , 2018 , 42, 18189-18200	3.6	11
82	Electrochemical thrombin aptasensor based on using magnetic nanoparticles and porous carbon prepared by carbonization of a zinc(II)-2-methylimidazole metal-organic framework. <i>Mikrochimica Acta</i> , 2019 , 186, 659	5.8	10
81	Unconventional dihydrogen-bond interaction induced cyanide-bridged chiral nano-sized magnetic molecular wheel: synthesis, crystal structure and systematic theoretical magnetism investigation. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3623-3633	7.1	10
80	N,N-dicarboxymethyl Perylene-diimide modified CeCoO: Enhanced peroxidase activity, synergetic catalytic mechanism and glutathione colorimetric sensing. <i>Talanta</i> , 2020 , 218, 121142	6.2	10
79	Cobalt tuned copper sulfide on montmorillonite: Peroxidase-like activity, catalytic mechanism and colorimetric sensing of hydrogen peroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 602, 125063	5.1	10
78	Determining Alkaline Phosphatase Based on Core/Shell Nanocubes by Single-Particle Dark-Field Images. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4555-4560	8.3	10
77	A novel catalyst for efficient electrooxidation of ethanol enabled by 3D open-structured PdCu nanocages. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 195-202	9.3	10
76	FePt nanoalloys on N-doped graphene paper as integrated electrode towards efficient formic acid electrooxidation. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 95-103	2.6	10
75	Ethylene glycol-mediated synthetic route for production of luminescent silicon nanorod as photodynamic therapy agent. <i>Science China Materials</i> , 2017 , 60, 881-891	7.1	9
74	Intersystem Crossing in Naphthalenediimide-Oxoverdazyl Dyads: Synthesis and Study of the Photophysical Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 15615-15627	4.8	9
73	Fluorescent sensor array for discrimination of biothiols based on poly(thymine/cytosine)-templated copper nanoparticles. <i>Analytica Chimica Acta</i> , 2019 , 1051, 147-152	6.6	9
72	Direct & Selective Styrylation of BODIPY Dyes via Palladium(II)-Catalyzed C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 769-777	5.6	9
71	Iodide-Responsive Cu ₂ S Nanoparticle-Based Colorimetric Sensor Array for Protein Discrimination. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15720-15726	8.3	9
70	A Tetradecanuclear Organometallic Copper(I)-Alkynide Cluster: Synthesis, Crystal Structure, and Luminescent Property. <i>Journal of Cluster Science</i> , 2018 , 29, 1017-1022	3	8
69	A study of the interaction between inverted cucurbit[6]uril and symmetric viologens. <i>New Journal of Chemistry</i> , 2018 , 42, 11085-11092	3.6	8
68	A Chrono-Colorimetric Sensor Array for Differentiation of Catechins Based on Silver Nitrate-Induced Metallization of Gold Nanoparticles at Different Reaction Time Intervals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17306-17312	8.3	7
67	Iodine encapsulated in mesoporous carbon enabling high-efficiency capacitive potassium-Ion storage. <i>Journal of Colloid and Interface Science</i> , 2019 , 551, 177-183	9.3	7
66	A facile one-pot synthesis of higher yield porphyrin functionalized Co ₃ O ₄ nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 198, 57-61	3.1	7

65	Ruthenium doped Ni ₂ P nanosheet arrays for active hydrogen evolution in neutral and alkaline water. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1883-1890	5.8	7
64	A study of the inclusion of 1-hexyl-4-(4-pyridyl)pyridinium bromide in cucurbit[6]uril. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018 , 90, 357-363	1.7	7
63	Hg Significantly Enhancing the Peroxidase-Like Activity of HTPPP/ZnS/CoS Nanoperoxidases by Inducing the Formation of Surface-Cation Defects and Application for the Sensitive and Selective Detection of Hg in the Environment. <i>Inorganic Chemistry</i> , 2020 , 59, 18384-18395	5.1	7
62	V ₂ O ₅ -montmorillonite nanocomposites of peroxidase-like activity and their application in the detection of H ₂ O ₂ and glutathione. <i>Applied Clay Science</i> , 2020 , 195, 105718	5.2	7
61	A thermal- and light-induced switchable one-dimensional rare loop-like spin crossover coordination polymer. <i>Dalton Transactions</i> , 2019 , 48, 17014-17021	4.3	7
60	Colorimetric sensor array for accurate detection and identification of antioxidants based on metal ions as sensor receptors. <i>Talanta</i> , 2020 , 215, 120935	6.2	7
59	Hierarchical Ni(OH) ₂ -MnO ₂ Array as Supercapacitor Electrode with High Capacity. <i>Advanced Materials Interfaces</i> , 2018 , 6, 1801470	4.6	7
58	Biomass activated carbon-derived imprinted polymer with multi-boronic acid sites for selective capture of glycoprotein. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 225-232	9.3	7
57	Manganese(III) Porphyrin-Based Magnetic Materials. <i>Topics in Current Chemistry</i> , 2019 , 377, 18	7.2	6
56	Perylene diimide-modified magnetic Fe ₃ O ₄ /CeO ₂ nanoparticles as peroxidase mimics for highly sensitive colorimetric detection of Vitamin C. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4884	3.1	6
55	Preparation and characterization of 5,10,15,20-tetrakis(4-carboxyphenyl)porphyrin grafted on organosilane-pillared montmorillonite by covalent bonding. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 541-545	8.7	6
54	Rapid colorimetric sensing of ascorbic acid based on the excellent peroxidase-like activity of Pt deposited on ZnCo ₂ O ₄ spheres. <i>New Journal of Chemistry</i> , 2020 , 44, 12002-12008	3.6	6
53	Study on the Binding Interaction of the Cucurbit[6]uril Tetramethylcucurbit[6]uril With Biogenic Amines in Solution and the Solid State. <i>Frontiers in Chemistry</i> , 2018 , 6, 289	5	6
52	DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111510	11.8	6
51	Research on low voltage ride through control of PV grid-connected inverter under unbalance fault 2017 ,		6
50	Helical self-assembly and nonlinear optical properties of optically active phthalocyanine derivatives bearing eight optically active diethyleneglycol mono-(S)-2-methylbutyl ether moieties on the Eposition of the phthalocyanine ring. <i>RSC Advances</i> , 2013 , 3, 22461	3.7	6
49	Hydroquinone colorimetric sensing based on platinum deposited on CdS nanorods as peroxidase mimics. <i>Mikrochimica Acta</i> , 2020 , 187, 587	5.8	6
48	An Extended AgI Cluster-Based Framework Solid: Silver-Thiolate Cluster Linked Polyoxometalate Including AgI···H ₂ O Anagostic Interactions. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 496-501	2.3	6

47	A flowerlike FePt/MnO/GOx-based cascade nanoreactor with sustainable O supply for synergistic starvation-chemodynamic anticancer therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8480-8490	7.3	6
46	Synthesis of the cathode and anode materials from discarded surgical masks for high-performance asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 603, 157-164	9.3	6
45	Cerium and nitrogen doped CoP nanorod arrays for hydrogen evolution in all pH conditions. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3344-3351	5.8	5
44	Porphyrin-Modified Cobalt Sulfide as a Developed Noble Metal-free Photoelectrocatalyst toward Methanol Oxidation under Visible Light. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26678-26687	3.8	5
43	Heterobimetallic complexes from 0D clusters to 3D networks based on various polycyanometallates and [Cu(dmpn)2]2+ (dmpn = 2,2-dimethyl-1,3-diaminopropane): synthesis, crystal structures and magnetic properties. <i>CrystEngComm</i> , 2020 , 22, 2806-2816	3.3	5
42	Synthesis and Visible-Light Photocatalytic Activity of CeO ₂ Nanoboxes Based on Pearson's Principle. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 833-36	1.3	5
41	The peroxidase-like catalytic activity of ferrocene and its application in the biomimetic synthesis of microsphere polyaniline. <i>New Journal of Chemistry</i> , 2018 , 42, 13536-13540	3.6	5
40	Colorimetric determination of nine metal ions based on the de-aggregation of papain-functionalized gold nanoparticles and using three chelating agents. <i>Mikrochimica Acta</i> , 2019 , 186, 854	5.8	5
39	Synthesis, crystal structures and magnetic properties of cyanide-bridged heterobimetallic trinuclear Cr(III)Mn(II) complexes based on the cis-dicyanidometalate [Cr(2,2'-bipy)2(CN)2]ClO ₄ building block. <i>Transition Metal Chemistry</i> , 2017 , 42, 451-457	2.1	4
38	Single particle-based colorimetric assay of pyrophosphate ions and pyrophosphatase with dark-field microscope. <i>Sensors and Actuators B: Chemical</i> , 2019 , 299, 126999	8.5	4
37	A DFT Study on CuH-Catalyzed Reductive Relay Hydroamination for Synthesis of Remote-Chiral Amine. <i>ChemistrySelect</i> , 2018 , 3, 2157-2161	1.8	4
36	Distribution of the unpaired electron in neutral bis(phthalocyaninato) yttrium double-deckers: An experimental and theoretical combinative investigation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 165-172	1.8	4
35	A new three-dimensional cobalt(II) coordination polymer based on V-shaped 3,4'-oxydibenzoate: synthesis, crystal structure and magnetic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 990-995	0.8	4
34	Optical aptasensing of mercury(II) by using salt-induced and exonuclease I-induced gold nanoparticle aggregation under dark-field microscope observation. <i>Mikrochimica Acta</i> , 2019 , 186, 729	5.8	4
33	One-dimensional cyanide-bridged Fe(III)Mn(II) magnetic complexes with different configurations derived from a new pentacyanoiron(III) building block. <i>Transition Metal Chemistry</i> , 2020 , 45, 373-380	2.1	4
32	5,10,15,20-tetrakis (4-carboxyl phenyl) porphyrin-functionalized urchin-like CuCoO as an excellent artificial nanozyme for determination of dopamine. <i>Mikrochimica Acta</i> , 2021 , 188, 171	5.8	4
31	Smart nanozyme of silver hexacyanoferrate with versatile bio-regulated activities for probing different targets. <i>Talanta</i> , 2021 , 228, 122268	6.2	4
30	Microwave assisted growth of MnO ₂ on biomass carbon for advanced supercapacitor electrode materials. <i>Journal of Materials Science</i> , 2021 , 56, 6987-6996	4.3	4

29	Cyanide-bridged polynuclear heterobimetallic complexes: synthesis, crystal structures, and magnetic properties. <i>Transition Metal Chemistry</i> , 2019 , 44, 383-389	2.1	3
28	Organic-Inorganic Composite Nanorods as an Excellent Mimicking Peroxidases for Colorimetric Detection and Evaluation of Antioxidant.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2499-2506	4.1	3
27	Determination of nickel(II) at nanomolar levels using iodide-responsive gold-copper nanoparticles as colorimetric probes. <i>Mikrochimica Acta</i> , 2018 , 185, 88	5.8	3
26	One-dimensional cyanide-bridged Cr(III)Cu(II) complexes: synthesis, crystal structures and magnetic properties. <i>Transition Metal Chemistry</i> , 2018 , 43, 45-52	2.1	3
25	Polynuclear and one-dimensional cyanide-bridged heterobimetallic complexes: synthesis, crystal structures and magnetic properties. <i>Journal of Chemical Sciences</i> , 2018 , 130, 1	1.8	2
24	Colorimetric adenosine assay based on the self-assembly of aptamer-functionalized gold nanorods. <i>Mikrochimica Acta</i> , 2019 , 186, 587	5.8	2
23	Combinatorial experimental and DFT theoretical investigation over the formation mechanism of a binuclear phthalocyanine dimer. <i>RSC Advances</i> , 2017 , 7, 53043-53047	3.7	2
22	A cyanide-bridged Fe-Mn heterobimetallic one-dimensional coordination polymer: synthesis, crystal structure, experimental and theoretical magnetism investigation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 1475-1481	0.8	2
21	Trimetallic PdCuIr nanocages as efficient bifunctional electrocatalysts for polyalcohol oxidation and hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 26920-26928	6.7	2
20	Versatile enzymatic assays by switching on the fluorescence of gold nanoclusters. <i>Analytica Chimica Acta</i> , 2020 , 1095, 219-225	6.6	2
19	Photoelectrochemical thrombin biosensor based on perylene-3,4,9,10-tetracarboxylic acid and Au co-functionalized ZnO nanorods with signal-off quenching effect of Ag@AgS. <i>Analyst, The</i> , 2021 , 146, 855-863	5	2
18	The excellent peroxidase-like activity of uniform CuCo ₂ O ₄ microspheres with oxygen vacancy for fast sensing of hydrogen peroxide and ascorbic acid. <i>New Journal of Chemistry</i> , 2021 , 45, 2030-2037	3.6	2
17	CoO Nanotubes Loaded on Graphene and Modified with Porphyrin Moieties for Colorimetric Sensing of Dopamine. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8706-8715	5.6	2
16	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H ₂ O ₂ detection. <i>Nano Research</i> , 1	10	2
15	Nano-scale minerals in-situ supporting CeO nanoparticles for off-on colorimetric detection of L-penicillamine and Cu ion.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128766	12.8	2
14	Co ₃ O ₄ -binuclear phthalocyanine nanocomposites with enhanced peroxidase-like activity for sensitive detection of glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 615, 126261	5.1	1
13	Substitute Group-Tuned Schiff-Base Manganese(III)-Based Cyanide-Bridged Bimetallic Complexes: Synthesis, Crystal Structures and Magnetic Properties. <i>Journal of Chemical Research</i> , 2018 , 42, 28-32	0.6	1
12	Pt and ZnFe ₂ O ₄ Nanoparticles Immobilized on Carbon for the Detection of Glutathione. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9479-9488	5.6	1

11	A fast phosphate colorimetric sensor based on MoS ₂ /UiO-66 (Fe/Zr) nanocomposites as oxidase-/peroxidase-like nanoenzymes. <i>New Journal of Chemistry</i> ,	3.6	1
10	CeO ₂ /CoO@N-doped hollow carbon microspheres with improved peroxidase-like activity for the determination of quercetin.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
9	Pt deposited on sea urchin-like CuCo ₂ O ₄ nanowires: Preparation, the excellent peroxidase-like activity and the colorimetric detection of sulfide ions. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107228	6.8	0
8	Porphyrin-Modified NiS ₂ Nanoparticles Anchored on Graphene for the Specific Determination of Cholesterol. <i>ACS Applied Nano Materials</i> , 2021 , 4, 11960-11968	5.6	0
7	N,S co-doped CoO core-shell nanospheres with high peroxidase activity for the fast colorimetric detection of catechol. <i>Analytical Methods</i> , 2021 , 13, 5377-5382	3.2	0
6	Coupling p-Hydroxybenzoate Hydroxylase with the Photoresponsive Nanozyme for Universal Dehydrogenase-Based Bioassays. <i>Sensors and Actuators B: Chemical</i> , 2021 , 327, 128859	8.5	0
5	Cu-Doped Co ₃ O ₄ microstructure as an efficient non-noble metal electrocatalyst for methanol oxidation in a basic solution. <i>New Journal of Chemistry</i> , 2021 , 45, 11245-11252	3.6	0
4	Research and design of low-power grid-connected PV power generation system based on automatic solar tracking. <i>Systems Science and Control Engineering</i> , 2018 , 6, 278-288	2	0
3	Si doping and perylene diimide modification contributed to enhancement of peroxidase-like activity of ceria for constructing colorimetric sensing platform of hydroquinone. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 626, 127022	5.1	0
2	Tuning of crystallization method and ligand conformation to give a mononuclear compound or two-dimensional SCO coordination polymer based on a new semi-rigid V-shaped bis-pyridyl bis-amide ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020 , 76, 412-418	0.8	
1	Dichlorido-2[1-(E,6'-dimeth-oxy-2,2'-[propane-1,3-diylbis(nitrilo-methyl-idyne)]diphenolato-1O,N,N',O:2O,O}copper(II)zinc(II) complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m359		