

Qing-Yun Liu

List of Publications by Year in Descending Order

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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.

150
papers

4,338
citations

37
h-index

59
g-index

155
ext. papers

5,395
ext. citations

6.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
150	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
149	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
148	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
147	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
146	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
145	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
144	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
143	5,10,15,20-tetrakis (4-carboxylphenyl) porphyrin functionalized NiCo ₂ S ₄ 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
142	Fast colorimetric sensing of H ₂ O ₂ and glutathione based on Pt deposited on NiCo layered double hydroxide with double peroxidase-/oxidase-like activity. <i>Inorganic Chemistry Communication</i> , 2021 , 123, 108331	3.1	8
141	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
140	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
139	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
138	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
137	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
136	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
135	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
134	Three-dimensional heterogeneous copper cobalt phosphides Nanoflowers for enhancing catalytic performance for electro-oxidation of methanol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 126, 244-251	5.3	1

133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	Electrodepositing Ru on carbon cloth supported Co(OH) ₂ nanosheet array for active overall water electrolysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 109, 71-78	5.3	7
125	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
124	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
123	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
122	Facile fabrication of a NiO/Ag ₃ PO ₄ Z-scheme photocatalyst with enhanced visible-light-driven photocatalytic activity. <i>New Journal of Chemistry</i> , 2020 , 44, 12806-12814	3.6	15
121	Charge separation, recombination and intersystem crossing of directly connected perylenemonoimide-carbazole electron donor/acceptor dyads. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 6376-6390	3.6	9
120	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
119	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
118	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
117	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
116	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

115	An exceptionally long-lived triplet state of red light-absorbing compact phenothiazine-styrylBodipy electron donor/acceptor dyads: a better alternative to the heavy atom-effect?. <i>Chemical Communications</i> , 2020 , 56, 1721-1724	5.8	37
114	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
113	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
112	Ce-doped ZnCo ₂ O ₄ nanospheres: Synthesis, double enzyme-like performances, catalytic mechanism and fast colorimetric determination for glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 607, 125466	5.1	7
111	Pt deposited on magnetic CoFe ₂ O ₄ nanoparticles: Double enzyme-like activity, catalytic mechanism and fast colorimetric sensing of dopamine. <i>Microchemical Journal</i> , 2020 , 158, 105264	4.8	12
110	A high-efficiency noble metal-free electrocatalyst of cobalt-iron layer double hydroxides nanorods coupled with graphene oxides grown on a nickel foam towards methanol electrooxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 212-221	5.3	11
109	Core-shell structured Ag-CoO nanoparticles with superior peroxidase-like activity for colorimetric sensing hydrogen peroxide and o-phenylenediamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125283	5.1	9
108	Flower-like CeO ₂ /CoO p/n 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
107	Hg Significantly Enhancing the Peroxidase-Like Activity of HTCPP/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
106	A novel multifunctional FePt/BP nanoplatform for synergistic photothermal/photodynamic/chemodynamic cancer therapies and photothermally-enhanced immunotherapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8010-8021	7.3	26
105	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
104	Hydroquinone colorimetric sensing based on platinum deposited on CdS nanorods as peroxidase mimics. <i>Mikrochimica Acta</i> , 2020 , 187, 587	5.8	6
103	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
102	VS -Decorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. <i>ChemSusChem</i> , 2020 , 13, 1637-1644	8.3	15
101	Hybrid NiCo hydrogen carbonate with Pt nanoparticles on nickel foam for alkaline water hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2020 , 833, 155131	5.7	7
100	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
99	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
98	Tumor microenvironment responsive FePt/MoS nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. <i>Nanoscale</i> , 2019 , 11, 19912-19922	7.7	51

97	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
96	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
95	Novel On-Off Colorimetric Sensor for Glutathione Based on Peroxidase Activity of Montmorillonite-Loaded TiO ₂ Functionalized by Porphyrin Precisely Controlled by Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18105-18113	8.3	16
94	CoFeP hollow cube as advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 604-611	6.8	35
93	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
92	Transition-metal-free regioselective cross-coupling of BODIPYs with thiols. <i>Chemical Communications</i> , 2019 , 55, 1639-1642	5.8	26
91	Selective Photocatalysis Approach for Introducing ArS Units into BODIPYs through Thiyl Radicals. <i>Organic Letters</i> , 2019 , 21, 733-736	6.2	24
90	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
89	Ultrasensitive colorimetric detection of Hg ions based on enhanced catalytic performance of gold amalgam dispersed in channels of rose petals. <i>Analyst, The</i> , 2019 , 144, 1205-1209	5	5
88	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
87	Vanadium doping over Ni ₃ S ₂ nanosheet array for improved overall water splitting. <i>Applied Surface Science</i> , 2019 , 489, 815-823	6.7	27
86	Enclosing classical polyoxometallates in silver nanoclusters. <i>Nanoscale</i> , 2019 , 11, 10927-10931	7.7	15
85	Efficient solar cells based on cosensitizing porphyrin dyes containing a wrapped donor, a wrapped F- π framework and a substituted benzothiadiazole unit. <i>Science China Chemistry</i> , 2019 , 62, 994-1000	7.9	18
84	Perylene diimide-functionalized CeO nanocomposite as a peroxidase mimic for colorimetric determination of hydrogen peroxide and glutathione. <i>Mikrochimica Acta</i> , 2019 , 186, 332	5.8	42
83	A functional FePt@MOFs (MIL-101(Fe)) nano-platform for high efficient colorimetric determination of HO. <i>Analyst, The</i> , 2019 , 144, 2716-2724	5	12
82	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
81	Perylene diimide-modified magnetic Fe ₂ O ₃ /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
80	Development of BODIPY dyes with versatile functional groups at 3,5-positions from diacyl peroxides via Cu(ii)-catalyzed radical alkylation. <i>Chemical Communications</i> , 2019 , 55, 4691-4694	5.8	13

79	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
78	Carboxylic acid stimulated silver shell isomerism in a triple core-shell Ag nanocluster. <i>Chemical Science</i> , 2019 , 10, 4862-4867	9.4	38
77	Vanadium and nitrogen co-doped CoP nanoleaf array as pH-universal electrocatalyst for efficient hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1070-1078	5.7	38
76	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
75	Two-dimensional porphyrin-Co9S8 nanocomposites with synergistic peroxidase-like catalysis: Synthesis and application toward colorimetric biosensing of H ₂ O ₂ and glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 568, 248-258	5.1	18
74	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
73	Solar cells sensitized with porphyrin dyes with a carbazole donor: The effects of an auxiliary benzothiadiazole acceptor and bulky substituents on the donor. <i>Dyes and Pigments</i> , 2019 , 171, 107776	4.6	11
72	Phenanthro[π]-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
71	Porphyrin functionalized Co(OH)/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <i>Analyst, The</i> , 2019 , 144, 5284-5291	5	30
70	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
69	Hierarchical multi-shell 66-nuclei silver nanoclusters trapping subvalent Ag kernels. <i>Chemical Communications</i> , 2019 , 55, 10296-10299	5.8	18
68	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
67	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
66	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
65	Meso-tetrakis(4-chlorophenyl)porphyrin functionalized CuFe ₂ O ₄ /SiO ₂ 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
64	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. <i>Frontiers in Chemistry</i> , 2019 , 7, 821	5	28
63	A colorimetric sensor array for detection and discrimination of antioxidants based on Ag nanoshell deposition on gold nanoparticle surfaces. <i>Analyst, The</i> , 2019 , 144, 6276-6282	5	4
62	Red Thermally Activated Delayed Fluorescence and the Intersystem Crossing Mechanisms in Compact NaphthalimidePhenothiazine Electron Donor/Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30171-30186	3.8	28

61	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
60	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
59	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
58	Enhanced peroxidase-like activity of MMT-supported cuprous oxide nanocomposites toward rapid colorimetric estimation of H ₂ O ₂ . <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4716	3.1	11
57	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
56	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
55	A series of sandwich-like trinuclear and one-dimensional chain cyanide-bridged iron(III)-copper(II) complexes: Syntheses, crystal structures and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2018 , 260, 59-66	3.3	5
54	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
53	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
52	Porphyrin-sensitized solar cells: systematic molecular optimization, coadsorption and cosensitization. <i>Chemical Communications</i> , 2018 , 54, 1811-1824	5.8	106
51	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
50	Hybrid of Fe ₄ [Fe(CN) ₆] ₃ nanocubes and MoS ₂ nanosheets on nitrogen-doped graphene realizing improved electrochemical hydrogen production. <i>Electrochimica Acta</i> , 2018 , 263, 140-146	6.7	35
49	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
48	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
47	Porphyrin sensitizers containing an auxiliary benzotriazole acceptor for dye-sensitized solar cells: Effects of steric hindrance and cosensitization. <i>Dyes and Pigments</i> , 2018 , 155, 323-331	4.6	28
46	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
45	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
44	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

43	A pillar-layered porous CoII-MOF with dual active sites for selective gas adsorption. <i>CrystEngComm</i> , 2018 , 20, 4905-4909	3.3	17
42	Preparation of porphyrin modified CO9S8 nanocomposites and application for colorimetric biosensing of H2O2. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 935-943	1.8	12
41	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
40	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
39	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
38	N-doped reduced graphene oxide supported mixed Ni2PCoP realize efficient overall water electrolysis. <i>Electrochimica Acta</i> , 2018 , 282, 626-633	6.7	32
37	Corrole functionalized iron oxide nanocomposites as enhanced peroxidase mimic and their application in H2O2 and glucose colorimetric sensing. <i>Engineered Science</i> , 2018 ,	3.8	16
36	A colorimetric sensor of H2O2 based on Co3O4/montmorillonite nanocomposites with peroxidase activity. <i>New Journal of Chemistry</i> , 2018 , 42, 1501-1509	3.6	67
35	Enhanced peroxidase-like activity of porphyrin functionalized ZnFe2O4 hollow nanospheres for rapid detection of H2O2 and glucose. <i>New Journal of Chemistry</i> , 2018 , 42, 18189-18200	3.6	11
34	Cobalt and nickel bimetallic sulfide nanoparticles immobilized on montmorillonite demonstrating peroxidase-like activity for H2O2 detection. <i>New Journal of Chemistry</i> , 2018 , 42, 18749-18758	3.6	31
33	Cationic polymer-based plasmonic sensor array that discriminates proteins. <i>Analyst, The</i> , 2018 , 143, 5578-5582	3.5	11
32	Iron Doped CuSn(OH)6 Microspheres as a Peroxidase-Mimicking Artificial Enzyme for H2O2 Colorimetric Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14383-14393	8.3	82
31	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
30	"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
29	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
28	Colorimetric and ultrasensitive detection of H2O2 based on Au/Co3O4-CeOx nanocomposites with enhanced peroxidase-like performance. <i>Sensors and Actuators B: Chemical</i> , 2018 , 271, 336-345	8.5	133
27	Ni3[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
26	Enhanced hydrogen evolution of MoS2/RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2092-2099	6.8	26

25	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
24	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
23	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
22	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
21	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
20	Multiple noncovalent interaction constructed polymeric supramolecular crystals: recognition of butyl viologen by para-dicyclohexanocucurbit[6]uril and β , β -tetramethylcucurbit[6]uril. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2422-2427	5.2	5
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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

7	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
6	Higher catalytic activity of porphyrin functionalized Co ^{II} 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
5	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
4	The facile preparation of 5,10,15,20-tetrakis(4-carboxyl phenyl) porphyrin-CdS nanocomposites and their photocatalytic activity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 188, 106-113	3.1	10
3	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
2	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
1	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H ₂ O ₂ detection. <i>Nano Research</i> ,1	10	2