

# Yan Gao

## List of Publications by Year in descending order

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213  
papers

8,501  
citations

41344

49  
h-index

64796

79  
g-index

214  
all docs

214  
docs citations

214  
times ranked

8516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt deposited on sea urchin-like CuCo <sub>2</sub> O <sub>4</sub> nanowires: Preparation, the excellent peroxidase-like activity and the colorimetric detection of sulfide ions. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107228.	6.7	9
2	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H <sub>2</sub> O <sub>2</sub> detection. <i>Nano Research</i> , 2022, 15, 4266-4273.	10.4	29
3	Nano-scale minerals in-situ supporting CeO <sub>2</sub> nanoparticles for off-on colorimetric detection of L-phenylalanine and Cu <sup>2+</sup> ion. <i>Journal of Hazardous Materials</i> , 2022, 433, 128766.	12.4	27
4	General Synthesis of Two-Dimensional Porous Metal Oxides/Hydroxides for Microwave Absorbing Applications. <i>Inorganic Chemistry</i> , 2022, 61, 678-687.	4.0	8
5	Precise Design of Atomically Dispersed Fe, Pt Dinuclear Catalysts and Their Synergistic Application for Tumor Catalytic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 20669-20681.	8.0	18
6	CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> @N-doped hollow carbon microspheres with improved peroxidase-like activity for the determination of quercetin. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4767-4775.	3.7	4
7	Enhancement Strategy of Photoelectrocatalytic Activity of Cobalt-Copper Layer Double Hydroxide toward Methanol Oxidation: Cerium Doping and Modification with Porphyrin. <i>Inorganic Chemistry</i> , 2022, 61, 7414-7425.	4.0	6
8	An efficient strategy to boost the directed migration of photogenerated holes by introducing phthalocyanine as a hole extraction layer. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3915-3923.	6.0	6
9	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.	9.4	58
10	5,10,15,20-tetrakis (4-carboxylphenyl) porphyrin functionalized NiCo <sub>2</sub> S <sub>4</sub> 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.	7.8	52
11	In-situ growth of MnCo <sub>2</sub> O <sub>4</sub> hollow spheres on nickel foam as pseudocapacitive electrodes for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 56-63.	9.4	60
12	Facile synthesis of V <sub>2</sub> O <sub>5</sub> /graphene composites as advanced electrode materials in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158006.	5.5	40
13	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.	9.4	33
14	Coupling p-Hydroxybenzoate Hydroxylase with the Photoresponsive Nanozyme for Universal Dehydrogenase-Based Bioassays. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128859.	7.8	2
15	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@Ag <sub>2</sub> S. <i>Analyst</i> , 2021, 146, 855-863.	3.5	5
16	A flowerlike FePt/MnO <sub>2</sub> /GOx-based cascade nanoreactor with sustainable O <sub>2</sub> supply for synergistic starvation-chemodynamic anticancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8480-8490.	5.8	18
17	Cu-Doped Co <sub>3</sub> O <sub>4</sub> 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.	2.8	7
18	Microwave assisted growth of MnO <sub>2</sub> on biomass carbon for advanced supercapacitor electrode materials. <i>Journal of Materials Science</i> , 2021, 56, 6987-6996.	3.7	14

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19	The excellent peroxidase-like activity of uniform CuCo <sub>2</sub> O <sub>4</sub> microspheres with oxygen vacancy for fast sensing of hydrogen peroxide and ascorbic acid. <i>New Journal of Chemistry</i> , 2021, 45, 2030-2037.	2.8	8
20	Magnetic Flower-like Fe-Doped CoO Nanocomposites with Dual Enzyme-like Activities for Facile and Sensitive Determination of H <sub>2</sub> O <sub>2</sub> and Dopamine. <i>Inorganic Chemistry</i> , 2021, 60, 1893-1901.	4.0	27
21	5,10,15,20-tetrakis (4-carboxyl phenyl) porphyrin-functionalized urchin-like CuCo <sub>2</sub> O <sub>4</sub> as an excellent artificial nanozyme for determination of dopamine. <i>Mikrochimica Acta</i> , 2021, 188, 171.	5.0	23
22	Co <sub>3</sub> O <sub>4</sub> -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.	4.7	5
23	Smart nanozyme of silver hexacyanoferrate with versatile bio-regulated activities for probing different targets. <i>Talanta</i> , 2021, 228, 122268.	5.5	8
24	Ni(OH) <sub>2</sub> Templated Synthesis of Ultrathin Ni <sub>3</sub> S <sub>2</sub> Nanosheets as Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2021, 17, e2102097.	10.0	54
25	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.	9.4	21
26	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.	5.0	21
27	Pt and ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Immobilized on Carbon for the Detection of Glutathione. <i>ACS Applied Nano Materials</i> , 2021, 4, 9479-9488.	5.0	13
28	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.	4.7	4
29	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.	9.4	16
30	A fast phosphate colorimetric sensor based on MoS <sub>2</sub> /UiO-66 (Fe/Zr) nanocomposites as oxidase-/peroxidase-like nanoenzymes. <i>New Journal of Chemistry</i> , 2021, 45, 19671-19677.	2.8	4
31	Different Interlayer Anions Controlled Zinc Cobalt Layered Double Hydroxide Nanosheets for Ethanol Electrocatalytic Oxidation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24867-24875.	3.1	10
32	Porphyrin-Modified NiS <sub>2</sub> Nanoparticles Anchored on Graphene for the Specific Determination of Cholesterol. <i>ACS Applied Nano Materials</i> , 2021, 4, 11960-11968.	5.0	23
33	N,S co-doped Co <sub>3</sub> O <sub>4</sub> core-shell nanospheres with high peroxidase activity for the fast colorimetric detection of catechol. <i>Analytical Methods</i> , 2021, 13, 5377-5382.	2.7	5
34	Versatile enzymatic assays by switching on the fluorescence of gold nanoclusters. <i>Analytica Chimica Acta</i> , 2020, 1095, 219-225.	5.4	5
35	VS <sub>4</sub> -Decorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. <i>ChemSusChem</i> , 2020, 13, 1637-1644.	6.8	32
36	Synthesis, structure and magnetism of a novel Cu <sub>14</sub> TiV <sub>5</sub> heterometallic cluster. <i>Chinese Chemical Letters</i> , 2020, 31, 809-812.	9.0	20

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37	Electrochemical sandwich-type thrombin aptasensor based on dual signal amplification strategy of silver nanowires and hollow Au@CeO <sub>2</sub> . <i>Biosensors and Bioelectronics</i> , 2020, 150, 111846.	10.1	36
38	A novel 58-nuclei silver nanowheel encapsulating a subvalent Ag <sup>6+</sup> kernel. <i>Science China Chemistry</i> , 2020, 63, 16-20.	8.2	27
39	3,4:9,10-peryene 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.	4.7	17
40	5,10,15,20-Tetrakis(4-carboxyphenyl)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.	9.4	28
41	Microwave deposition synthesis of Ni(OH) <sub>2</sub> /sorghum stalk biomass carbon electrode materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156376.	5.5	57
42	Flower-like CeO <sub>2</sub> /CoO <sub>n</sub> Heterojuncted Nanocomposites with Enhanced Peroxidase-Mimicking Activity for Cysteine Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17540-17550.	6.7	28
43	Hg <sup>2+</sup> Significantly Enhancing the Peroxidase-Like Activity of H <sub>2</sub> TCP/PP/ZnS/CoS Nanoperoxidases by Inducing the Formation of Surface-Cation Defects and Application for the Sensitive and Selective Detection of Hg <sup>2+</sup> in the Environment. <i>Inorganic Chemistry</i> , 2020, 59, 18384-18395.	4.0	20
44	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.	7.1	7
45	V <sub>2</sub> O <sub>5</sub> -montmorillonite nanocomposites of peroxidase-like activity and their application in the detection of H <sub>2</sub> O <sub>2</sub> and glutathione. <i>Applied Clay Science</i> , 2020, 195, 105718.	5.2	25
46	Hydroquinone colorimetric sensing based on platinum deposited on CdS nanorods as peroxidase mimics. <i>Mikrochimica Acta</i> , 2020, 187, 587.	5.0	20
47	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.	7.6	38
48	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.	3.1	8
49	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.	21.1	14
50	N,N-dicarboxymethyl Perylene-diimide modified CeCoO <sub>3</sub> : Enhanced peroxidase activity, synergetic catalytic mechanism and glutathione colorimetric sensing. <i>Talanta</i> , 2020, 218, 121142.	5.5	21
51	Metal-Free 2(3),9(10),16(17),23(24)-Octamethoxyphthalocyanine-Modified Uniform CoSn(OH) <sub>6</sub> Nanocubes: Enhanced Peroxidase-like Activity, Catalytic Mechanism, and Fast Colorimetric Sensing for Cholesterol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9404-9414.	6.7	34
52	Colorimetric ascorbic acid sensing from a synergetic catalytic strategy based on 5,10,15,20-tetra(4-pyridyl)-21H,23H-porphyrin functionalized CuS nano-hexahedrons with the enhanced peroxidase-like activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 598, 124855.	4.7	28
53	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.	4.7	16
54	Determining Alkaline Phosphatase Based on Core-Shell Gold@silver Nanocubes by Single-Particle Dark-Field Images. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4555-4560.	6.7	12

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55	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.	4.6	10
56	Heterobimetallic complexes from 0D clusters to 3D networks based on various polycyanometallates and [Cu(dmpn) <sub>2</sub> ] <sup>2+</sup> (dmpn = 2,2-dimethyl-1,3-diaminopropane): synthesis, crystal structures and magnetic properties. <i>CrystEngComm</i> , 2020, 22, 2806-2816.	2.6	8
57	Rapid colorimetric sensing of ascorbic acid based on the excellent peroxidase-like activity of Pt deposited on ZnCo <sub>2</sub> O <sub>4</sub> spheres. <i>New Journal of Chemistry</i> , 2020, 44, 12002-12008.	2.8	18
58	Facile fabrication of a NiO/Ag <sub>3</sub> PO <sub>4</sub> Z-scheme photocatalyst with enhanced visible-light-driven photocatalytic activity. <i>New Journal of Chemistry</i> , 2020, 44, 12806-12814.	2.8	27
59	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.	9.0	31
60	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.	6.5	30
61	Ruthenium doped Ni <sub>2</sub> P nanosheet arrays for active hydrogen evolution in neutral and alkaline water. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1883-1890.	4.9	11
62	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.	6.5	21
63	Colorimetric sensor array for accurate detection and identification of antioxidants based on metal ions as sensor receptors. <i>Talanta</i> , 2020, 215, 120935.	5.5	13
64	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.	1.4	5
65	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.	0.5	1
66	Hierarchical Ni(OH) <sub>2</sub> -MnO <sub>2</sub> Array as Supercapacitor Electrode with High Capacity. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801470.	3.7	23
67	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.	10.3	68
68	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.	7.3	33
69	A new three-dimensional cobalt(II) coordination polymer based on V-shaped 3,4-dioxybenzoate: synthesis, crystal structure and magnetic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 990-995.	0.5	4
70	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.	9.4	22
71	DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111510.	10.1	12
72	A close-packed imprinted colloidal array for naked-eye detection of glycoproteins under physiological pH. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111499.	10.1	27

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73	Phenanthro[ <i>b</i> ]-Fused BODIPYs through Tandem Suzuki and Oxidative Aromatic Couplings: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 9693-9704.	3.2	24
74	Porphyrim functionalized Co(OH) <sub>2</sub> /GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <i>Analyst</i> , 2019, 144, 5284-5291.	3.5	45
75	Colorimetric adenosine assay based on the self-assembly of aptamer-functionalized gold nanorods. <i>Mikrochimica Acta</i> , 2019, 186, 587.	5.0	4
76	Si Doped CoO Nanorods as Peroxidase Mimics for Colorimetric Sensing of Reduced Glutathione. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13989-13998.	6.7	75
77	Protein recognition by polydopamine-based molecularly imprinted hollow spheres. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111492.	10.1	53
78	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.	6.7	27
79	Intersystem Crossing in Naphthalenediimide-Oxoverdazyl Dyads: Synthesis and Study of the Photophysical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 15615-15627.	3.3	13
80	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.	5.0	6
81	Rapid colorimetric determination of dopamine based on the inhibition of the peroxidase mimicking activity of platinum loaded CoSn(OH) <sub>6</sub> nanocubes. <i>Mikrochimica Acta</i> , 2019, 186, 755.	5.0	29
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.	5.0	15
83	Cerium and nitrogen doped CoP nanorod arrays for hydrogen evolution in all pH conditions. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3344-3351.	4.9	9
84	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.	5.5	137
85	Tumor microenvironment responsive FePt/MoS <sub>2</sub> nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. <i>Nanoscale</i> , 2019, 11, 19912-19922.	5.6	73
86	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.	6.7	17
87	Single particle-based colorimetric assay of pyrophosphate ions and pyrophosphatase with dark-field microscope. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126999.	7.8	8
88	FePt@MnO-Based Nanotheranostic Platform with Acidity-Triggered Dual-Ions Release for Enhanced MR Imaging-Guided Ferroptosis Chemodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38395-38404.	8.0	67
89	CoFeP hollow cube as advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 604-611.	6.0	61
90	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.	7.4	116

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91	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.	3.2	20
92	Selective Photocatalysis Approach for Introducing ArS Units into BODIPYs through Thiyl Radicals. <i>Organic Letters</i> , 2019, 21, 733-736.	4.6	36
93	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.	5.5	34
94	Fe-doped Ag <sub>2</sub> S with excellent peroxidase-like activity for colorimetric determination of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2019, 785, 1189-1197.	5.5	84
95	Peroxidase mimetic activity of porphyrin modified ZnFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide and its application for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glutathione. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 567-575.	5.0	36
96	Stimuli-Responsive DNA-Gated Nanoscale Porous Carbon Derived from ZIF-8. <i>Advanced Functional Materials</i> , 2019, 29, 1902237.	14.9	55
97	Manganese(III) Porphyrin-Based Magnetic Materials. <i>Topics in Current Chemistry</i> , 2019, 377, 18.	5.8	12
98	Efficient solar cells based on cosensitizing porphyrin dyes containing a wrapped donor, a wrapped $\Gamma$ -framework and a substituted benzothiadiazole unit. <i>Science China Chemistry</i> , 2019, 62, 994-1000.	8.2	27
99	Perylene diimide-functionalized CeO <sub>2</sub> nanocomposite as a peroxidase mimic for colorimetric determination of hydrogen peroxide and glutathione. <i>Mikrochimica Acta</i> , 2019, 186, 332.	5.0	64
100	Photoelectrochemical cell enhanced by ternary heterostructured photoanode: Toward high-performance self-powered cathodic cytosensing. <i>Biosensors and Bioelectronics</i> , 2019, 137, 52-57.	10.1	25
101	Iodine encapsulated in mesoporous carbon enabling high-efficiency capacitive potassium-Ion storage. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 177-183.	9.4	16
102	Electrodepositing Pd on NiFe layered double hydroxide for improved water electrolysis. <i>Materials Chemistry Frontiers</i> , 2019, 3, 842-850.	5.9	40
103	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.	4.0	57
104	Facile strategy to prepare a metalloporphyrin-based hydrophilic porous organic polymer with enhanced peroxidase-like activity and high stability for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 137-145.	5.0	41
105	Solar Cells Sensitized with Porphyrin Dyes Containing Oligo(Ethylene Glycol) Units: A High Efficiency Beyond 12%. <i>ChemSusChem</i> , 2019, 12, 2802-2809.	6.8	36
106	Perylene diimide-modified magnetic Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> nanoparticles as peroxidase mimics for highly sensitive colorimetric detection of Vitamin C. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4884.	3.5	10
107	PdCu alloy nanosheets-constructed 3D flowers: New highly sensitive materials for H <sub>2</sub> S detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 260-268.	7.8	74
108	A facile preparation of FePt-loaded few-layer MoS <sub>2</sub> nanosheets nanocomposites (F-MoS <sub>2</sub> -FePt NCs) and their application for colorimetric detection of H <sub>2</sub> O <sub>2</sub> in living cells. <i>Journal of Nanobiotechnology</i> , 2019, 17, 38.	9.1	25

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109	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.	6.5	51
110	Carboxylic acid stimulated silver shell isomerism in a triple core-shell Ag <sub>84</sub> nanocluster. <i>Chemical Science</i> , 2019, 10, 4862-4867.	7.4	63
111	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.	5.5	11
112	Cyanide-bridged polynuclear heterobimetallic complexes: synthesis, crystal structures, and magnetic properties. <i>Transition Metal Chemistry</i> , 2019, 44, 383-389.	1.4	5
113	Meso-tetrakis(4-chlorophenyl)porphyrin functionalized CuFe <sub>2</sub> O <sub>4</sub> /SiO <sub>2</sub> 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.	4.7	21
114	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.	5.0	49
115	Bodipy Derivatives as Triplet Photosensitizers and the Related Intersystem Crossing Mechanisms. <i>Frontiers in Chemistry</i> , 2019, 7, 821.	3.6	62
116	A thermal- and light-induced switchable one-dimensional rare loop-like spin crossover coordination polymer. <i>Dalton Transactions</i> , 2019, 48, 17014-17021.	3.3	10
117	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.	3.1	63
118	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.	5.0	5
119	An Extended Ag <sup>I</sup> Cluster-Based Framework Solid: Silver-Thiolate Cluster Linked Polyoxometalate Including Ag <sup>I</sup> - $\pi$ -C Anagostic Interactions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 496-501.	2.0	11
120	Multi-layer CeO <sub>2</sub> -wrapped Ag <sub>2</sub> 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.	4.7	30
121	Biomass waste derived multi-hierarchical porous carbon combined with CoFe <sub>2</sub> O <sub>4</sub> as advanced electrode materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 782, 952-960.	5.5	65
122	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.	7.8	18
123	Fluorescent sensor array for discrimination of biothiols based on poly(thymine/cytosine)-templated copper nanoparticles. <i>Analytica Chimica Acta</i> , 2019, 1051, 147-152.	5.4	12
124	Ultrasensitive DNA biosensor based on electrochemical atom transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , 2019, 131, 193-199.	10.1	34
125	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 &amp; Interfaces</i> , 2019, 11, 5046-5054.	8.0	83
126	Enhanced peroxidase-like activity of MMT-supported cuprous oxide nanocomposites toward rapid colorimetric estimation of H <sub>2</sub> O <sub>2</sub> . <i>Applied Organometallic Chemistry</i> , 2019, 33, e4716.	3.5	18



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128	Direct $\alpha$ -Selective Styrylation of BODIPY Dyes via Palladium(II)-Catalyzed C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 769-777.	4.3	13
129	Crab shell derived multi-hierarchical carbon materials as a typical recycling of waste for high performance supercapacitors. <i>Carbon</i> , 2019, 141, 748-757.	10.3	108
130	A cyanide-bridged Fe <sup>III</sup> -Mn <sup>II</sup> 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.	0.5	3
131	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.	1.4	45
132	A DFT Study on CuH-Catalyzed Reductive Relay Hydroamination for Synthesis of Remote-Chiral Amine. <i>ChemistrySelect</i> , 2018, 3, 2157-2161.	1.5	4
133	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.	6.7	17
134	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.	3.3	28
135	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.	6.7	36
136	Polynuclear and one-dimensional cyanide-bridged heterobimetallic complexes: synthesis, crystal structures and magnetic properties. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	3
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140	Porphyrin-sensitized solar cells: systematic molecular optimization, coadsorption and cosensitization. <i>Chemical Communications</i> , 2018, 54, 1811-1824.	4.1	138
141	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 775-783.	7.8	222
142	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.	5.5	139
143	Determination of nickel(II) at nanomolar levels using iodide-responsive gold-copper nanoparticles as colorimetric probes. <i>Mikrochimica Acta</i> , 2018, 185, 88.	5.0	4
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146	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.	5.4	14
147	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.	6.5	87
148	One-step <i>in situ</i> growth of magnesium ferrite nanorods on graphene and their microwave-absorbing properties. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4017.	3.5	27
149	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.	2.9	11
150	A colorimetric sensor of H <sub>2</sub> O <sub>2</sub> based on Co <sub>3</sub> O <sub>4</sub> @montmorillonite nanocomposites with peroxidase activity. <i>New Journal of Chemistry</i> , 2018, 42, 1501-1509.	2.8	79
151	Colorimetric aggregation based cadmium(II) assay by using triangular silver nanoplates functionalized with 1-amino-2-naphthol-4-sulfonate. <i>Mikrochimica Acta</i> , 2018, 185, 6.	5.0	20
152	One-dimensional cyanide-bridged Cr(III)-Cu(II) complexes: synthesis, crystal structures and magnetic properties. <i>Transition Metal Chemistry</i> , 2018, 43, 45-52.	1.4	6
153	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.	3.1	4
154	Enhanced peroxidase-like activity of porphyrin functionalized ZnFe <sub>2</sub> O <sub>4</sub> hollow nanospheres for rapid detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>New Journal of Chemistry</i> , 2018, 42, 18189-18200.	2.8	15
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156	<i>meso</i> -Triaryl-Substituted Smaragdyrins: Facile Aromaticity Switching. <i>Journal of the American Chemical Society</i> , 2018, 140, 16553-16559.	13.7	46
157	Iron Doped CuSn(OH) <sub>6</sub> Microspheres as a Peroxidase-Mimicking Artificial Enzyme for H <sub>2</sub> O <sub>2</sub> Colorimetric Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14383-14393.	6.7	103
158	Iodide-Responsive Cu-Au Nanoparticle-Based Colorimetric Sensor Array for Protein Discrimination. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15720-15726.	6.7	13
159	Organic Sensitizers with Extended Conjugation Frameworks as Cosensitizers of Porphyrins for Developing Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38880-38891.	8.0	65
160	Development of a Luminescent Dinuclear Ir(III) Complex for Ultrasensitive Determination of Pesticides. <i>Analytical Chemistry</i> , 2018, 90, 11716-11722.	6.5	24
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164	FeNi Cubic Cage@N-Doped Carbon Coupled with N-Doped Graphene toward Efficient Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8266-8273.	6.7	68
165	Colorimetric and ultrasensitive detection of H <sub>2</sub> O <sub>2</sub> based on Au/Co <sub>3</sub> O <sub>4</sub> -CeO <sub>x</sub> nanocomposites with enhanced peroxidase-like performance. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 336-345.	7.8	182
166	Ni <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> nanocubes boost the catalytic activity of Pt for electrochemical hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1683-1689.	6.0	23
167	A study of the interaction between inverted cucurbit[6]uril and symmetric viologens. <i>New Journal of Chemistry</i> , 2018, 42, 11085-11092.	2.8	9
168	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.	1.3	2
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170	Glutathione detection based on peroxidase-like activity of Co <sub>3</sub> O <sub>4</sub> “Montmorillonite nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1635-1639.	7.8	119
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172	A pillar-layered porous Co <sup>II</sup> -MOF with dual active sites for selective gas adsorption. <i>CrystEngComm</i> , 2018, 20, 4905-4909.	2.6	21
173	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.	2.8	7
174	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.	6.7	26
175	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.	21.1	18
176	In vitro corrosion of magnesium alloy AZ31 “ a synergetic influence of glucose and Tris. <i>Frontiers of Materials Science</i> , 2018, 12, 184-197.	2.2	32
177	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H <sub>2</sub> O <sub>2</sub> . <i>Materials Science and Engineering C</i> , 2018, 90, 610-620.	7.3	93
178	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. <i>Biosensors and Bioelectronics</i> , 2018, 120, 15-21.	10.1	37
179	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.	8.2	52
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182	Porphyrin-Based Porous Organic Frameworks as a Biomimetic Catalyst for Highly Efficient Colorimetric Immunoassay. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3514-3523.	8.0	88
183	N,N'-Di-carboxymethyl perylene diimide functionalized magnetic nanocomposites with enhanced peroxidase-like activity for colorimetric sensing of $H_2O_2$ and glucose. <i>New Journal of Chemistry</i> , 2017, 41, 5853-5862.	2.8	65
184	Synthesis, crystal structures and magnetic properties of cyanide-bridged heterobimetallic trinuclear Cr <sup>2+</sup> /Mn <sup>III</sup> complexes based on the cis-dicyanidemetalate [Cr(2,2'-bipy)2(CN)2]ClO4 building block. <i>Transition Metal Chemistry</i> , 2017, 42, 451-457.	1.4	4
185	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.	7.8	145
186	N,N'-di-carboxy methyl perylene diimide (PDI) functionalized CuO nanocomposites with enhanced peroxidase-like activity and their application in visual biosensing of $H_2O_2$ and glucose. <i>RSC Advances</i> , 2017, 7, 25220-25228.	3.6	58
187	Ethylene glycol-mediated synthetic route for production of luminescent silicon nanorod as photodynamic therapy agent. <i>Science China Materials</i> , 2017, 60, 881-891.	6.3	10
188	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.	3.6	29
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190	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.	6.5	40
191	High-performance peroxidase mimics for rapid colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose derived from perylene diimides functionalized Co <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 80, 558-565.	7.3	51
192	A facile preparation of montmorillonite-supported copper sulfide nanocomposites and their application in the detection of H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 28-35.	7.8	112
193	Montmorillonite-loaded ceria nanocomposites with superior peroxidase-like activity for rapid colorimetric detection of H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 848-856.	7.8	170
194	One-step synthesis of uniform nanoparticles of porphyrin functionalized ceria with promising peroxidase mimetics for H <sub>2</sub> O <sub>2</sub> and glucose colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 726-734.	7.8	195
195	Research on low voltage ride through control of PV grid-connected inverter under unbalance fault. , 2017, , .		8
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209	Porphyrin nanotubes composed of highly ordered molecular arrays prepared by anodic aluminum template method. RSC Advances, 2013, 3, 2765.	3.6	31
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