

# Xiao Zhang

## 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.

144  
papers

5,745  
citations

38  
h-index

71  
g-index

147  
ext. papers

6,801  
ext. citations

6.7  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
144	PANI coated NiMoOP nanoarrays as efficient electrocatalyst for oxygen evolution. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 908, 116129	4.1	1
143	Recent advances in biomedical applications of 2D nanomaterials with peroxidase-like properties.. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 114269	18.5	2
142	Heterogeneous SnS-Ni <sub>3</sub> S <sub>2</sub> nanostructure for efficient overall water splitting. <i>Materials Letters</i> , <b>2021</b> , 287, 129290	3.3	1
141	Ni diffusion in vertical growth of MoS <sub>2</sub> nanosheets on carbon nanotubes towards highly efficient hydrogen evolution. <i>Carbon</i> , <b>2021</b> , 175, 176-186	10.4	28
140	Engineering P-doped Ni <sub>3</sub> S <sub>2</sub> -NiS hybrid nanorod arrays for efficient overall water electrolysis. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 862, 158391	5.7	6
139	Coupled Co and Ir nanocrystals on graphite as pH-wide and efficient electrocatalyst for hydrogen evolution. <i>Surfaces and Interfaces</i> , <b>2021</b> , 24, 101049	4.1	1
138	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> , <b>2021</b> , 326, 128850	8.5	17
137	N-doped graphene wrapped SnP <sub>2</sub> O <sub>7</sub> for sodium storage with high pseudocapacitance contribution. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 854, 156992	5.7	11
136	Electrodeposition of Co <sub>4</sub> S <sub>3</sub> on NiCo LDH nanosheet arrays for advanced hydrogen evolution. <i>Materials Letters</i> , <b>2021</b> , 285, 129057	3.3	3
135	Transition metals decorated g-C <sub>3</sub> N <sub>4</sub> /N-doped carbon nanotube catalysts for water splitting: A review. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 895, 115510	4.1	12
134	Engineering heterogeneous nickel-iron oxide/iron phosphate on P, N co-doped carbon fibers for efficient oxygen evolution reaction in neutral and alkaline solutions. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101193	4.1	1
133	Co-doped Ni <sub>3</sub> S <sub>2</sub> ultrathin nanosheets for efficient oxygen evolution catalysis. <i>Materials Letters</i> , <b>2021</b> , 299, 130069	3.3	0
132	Heterogeneous Co@CoO composited P, N co-doped carbon nanofibers on carbon cloth as pH-tolerant electrocatalyst for efficient oxygen evolution. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 877, 160279	5.7	8
131	Hierarchical FeCo/C@Ni(OH) <sub>2</sub> heterostructures for enhanced oxygen evolution activity. <i>Electrochimica Acta</i> , <b>2021</b> , 395, 139194	6.7	3
130	Synergistic effect between sulfur and CoFe alloys embedded in N-doped carbon nanosheets for efficient hydrogen evolution under neutral condition. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131922	14.7	3
129	Porphyrin-Modified Cobalt Sulfide as a Developed Noble Metal-free Photoelectrocatalyst toward Methanol Oxidation under Visible Light. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 26678-26687	3.8	5
128	N,N-dicarboxymethyl Perylene-diimide modified CeCoO: Enhanced peroxidase activity, synergetic catalytic mechanism and glutathione colorimetric sensing. <i>Talanta</i> , <b>2020</b> , 218, 121142	6.2	10

127	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> , <b>2020</b> , 8, 9404-9414	8.3	18
126	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> , <b>2020</b> , 588, 124255	5.1	16
125	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> , <b>2020</b> , 602, 125063	5.1	10
124	Electrodepositing Ru on carbon cloth supported Co(OH) <sub>2</sub> nanosheet array for active overall water electrolysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 109, 71-78	5.3	7
123	Organic-Inorganic Composite Nanorods as an Excellent Mimicking Peroxidases for Colorimetric Detection and Evaluation of Antioxidant.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2499-2506	4.1	3
122	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> , <b>2020</b> , 44, 12002-12008	3.6	6
121	Formation of Ni-doped MoS <sub>2</sub> nanosheets on N-doped carbon nanotubes towards superior hydrogen evolution. <i>Electrochimica Acta</i> , <b>2020</b> , 338, 135885	6.7	32
120	Ruthenium doped Ni <sub>2</sub> P nanosheet arrays for active hydrogen evolution in neutral and alkaline water. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1883-1890	5.8	7
119	N-doped bamboo-like carbon nanotubes loading Co as ideal electrode material towards superior catalysis performance. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8703-8714	6.7	10
118	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> , <b>2020</b> , 586, 124250	5.1	12
117	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> , <b>2020</b> , 561, 881-889	9.3	16
116	Ce-doped ZnCo <sub>2</sub> O <sub>4</sub> nanospheres: Synthesis, double enzyme-like performances, catalytic mechanism and fast colorimetric determination for glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 607, 125466	5.1	7
115	Pt deposited on magnetic CoFe <sub>2</sub> O <sub>4</sub> nanoparticles: Double enzyme-like activity, catalytic mechanism and fast colorimetric sensing of dopamine. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105264	4.8	12
114	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> , <b>2020</b> , 112, 212-221	5.3	11
113	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> , <b>2020</b> , 603, 125283	5.1	9
112	Flower-like CeO <sub>2</sub> /CoO p/n Heterojuncted Nanocomposites with Enhanced Peroxidase-Mimicking Activity for L-Cysteine Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17540-17550	8.3	12
111	Enhanced photoelectrocatalytic activity of cobalt sulfide modified with porphyrin as a noble-metal-free photoelectroncatalyst towards methanol oxidation under visible-light. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 116, 169-177	5.3	1
110	Vertically aligned MoS <sub>2</sub> nanosheets on N-doped carbon nanotubes with NiFe alloy for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3578-3587	6.8	16

109	V2O5-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> , <b>2020</b> , 195, 105718	5.2	7
108	Graphene layer encapsulated MoNi <sub>4</sub> -NiMoO <sub>4</sub> for electrocatalytic water splitting. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144390	6.7	16
107	VS-Decorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. <i>ChemSusChem</i> , <b>2020</b> , 13, 1637-1644	8.3	15
106	Ru <sub>2</sub> P particles decorated Ni <sub>2</sub> P nanosheet as efficient and pH-universal material for hydrogen evolution. <i>Applied Surface Science</i> , <b>2020</b> , 520, 146363	6.7	7
105	Hybrid NiCo hydrogen carbonate with Pt nanoparticles on nickel foam for alkaline water hydrogen evolution. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 833, 155131	5.7	7
104	Cerium and nitrogen doped CoP nanorod arrays for hydrogen evolution in all pH conditions. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 3344-3351	5.8	5
103	CoFeP hollow cube as advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 604-611	6.8	35
102	Hybridized Ni(PO <sub>3</sub> ) <sub>2</sub> -MnPO <sub>4</sub> nanosheets array with excellent electrochemical performances for overall water splitting and supercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 835-843	6.7	38
101	Template confined synthesis of NiCo Prussian blue analogue bricks constructed nanowalls as efficient bifunctional electrocatalyst for splitting water. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 333-341	6.7	27
100	An All-Organic Semiconductor C N /PDINH Heterostructure with Advanced Antibacterial Photocatalytic Therapy Activity. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901965	24	118
99	Vanadium doping over Ni <sub>3</sub> S <sub>2</sub> nanosheet array for improved overall water splitting. <i>Applied Surface Science</i> , <b>2019</b> , 489, 815-823	6.7	27
98	MoS <sub>2</sub> nanosheets decorated Ni(OH) <sub>2</sub> nanorod array for active overall water splitting. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 796, 86-92	5.7	35
97	Engineering a High-Energy-Density and Long Lifespan Aqueous Zinc Battery via Ammonium Vanadium Bronze. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20796-20803	9.5	51
96	Co <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> nanocube derived architecture of Co,Fe co-doped MoS <sub>2</sub> nanosheets for efficient water electrolysis. <i>Electrochimica Acta</i> , <b>2019</b> , 309, 116-124	6.7	18
95	Electrodepositing Pd on NiFe layered double hydroxide for improved water electrolysis. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 842-850	7.8	30
94	Ni/Ni <sub>3</sub> C core-shell nanoparticles encapsulated in N-doped bamboo-like carbon nanotubes towards efficient overall water splitting. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1073-1080	6.8	24
93	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> , <b>2019</b> , 33, e4884	3.1	6
92	Vanadium and nitrogen co-doped CoP nanoleaf array as pH-universal electrocatalyst for efficient hydrogen evolution. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 791, 1070-1078	5.7	38

91	Two-dimensional porphyrin-Co9S8 nanocomposites with synergistic peroxidase-like catalysis: Synthesis and application toward colorimetric biosensing of H2O2 and glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 568, 248-258	5.1	18
90	Porphyrin functionalized Co(OH)/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <i>Analyst, The</i> , <b>2019</b> , 144, 5284-5291	5	30
89	Si Doped CoO Nanorods as Peroxidase Mimics for Colorimetric Sensing of Reduced Glutathione. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13989-13998	8.3	50
88	Ultrafine cobalt-ruthenium alloy on nitrogen and phosphorus co-doped graphene for electrocatalytic water splitting. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 104, 75-81	5.3	9
87	Rapid colorimetric determination of dopamine based on the inhibition of the peroxidase mimicking activity of platinum loaded CoSn(OH) nanocubes. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 755	5.8	16
86	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> , <b>2019</b> , 569, 28-34	5.1	16
85	Interlayer-expanded VMo2S4 nanosheets on RGO for high and fast lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 772, 178-185	5.7	7
84	Multi-layer CeO2-wrapped Ag2S microspheres with enhanced peroxidase-like activity for sensitive detection of dopamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 565, 1-7	5.1	26
83	Enhanced peroxidase-like activity of MMT-supported cuprous oxide nanocomposites toward rapid colorimetric estimation of H2O2. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4716	3.1	11
82	Ni-Co-B nanosheets coupled with reduced graphene oxide towards enhanced electrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 776, 511-518	5.7	24
81	Efficient bifunctional vanadium-doped Ni3S2 nanorod array for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 443-450	6.8	39
80	Controllable synthesis of P-doped MoS2 nanopetals decorated N-doped hollow carbon spheres towards enhanced hydrogen evolution. <i>Electrochimica Acta</i> , <b>2019</b> , 297, 553-563	6.7	47
79	N-doped MoS2 nanosheets with exposed edges realizing robust electrochemical hydrogen evolution. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 263, 84-87	3.3	19
78	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H2O2. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 775-783	8.5	177
77	MoS2 nanosheets on B, N co-doped graphene nanosheets for active lithium storage. <i>Materials Letters</i> , <b>2018</b> , 213, 162-165	3.3	6
76	Nanosized SnO2-CoS constructed porous cubes advanced lithium-ion batteries anode. <i>Ceramics International</i> , <b>2018</b> , 44, 5569-5571	5.1	12
75	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 487-498	7.3	103
74	Hybrid of Fe4[Fe(CN)6]3 nanocubes and MoS2 nanosheets on nitrogen-doped graphene realizing improved electrochemical hydrogen production. <i>Electrochimica Acta</i> , <b>2018</b> , 263, 140-146	6.7	35

73	Synthesis of well-dispersed Fe <sub>3</sub> O <sub>4</sub> nanoparticles loaded on montmorillonite and sensitive colorimetric detection of H <sub>2</sub> O <sub>2</sub> based on its peroxidase-like activity. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9578-9587	3.6	54
72	In-situ confined formation of NiFe layered double hydroxide quantum dots in expanded graphite for active electrocatalytic oxygen evolution. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 262, 181-185	3.3	11
71	CoMoS <sub>3.13</sub> nanosheets grafted on B, N co-doped graphene nanotubes as bifunctional catalyst for efficient water electrolysis. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 403-410	5.7	17
70	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 626-646	16.4	305
69	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to HO. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 610-620	8.3	74
68	N-doped reduced graphene oxide supported mixed Ni <sub>2</sub> PCoP realize efficient overall water electrolysis. <i>Electrochimica Acta</i> , <b>2018</b> , 282, 626-633	6.7	32
67	FePt nanoalloys on N-doped graphene paper as integrated electrode towards efficient formic acid electrooxidation. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 95-103	2.6	10
66	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> , <b>2018</b> , 42, 1501-1509	3.6	67
65	Cobalt and nickel bimetallic sulfide nanoparticles immobilized on montmorillonite demonstrating peroxidase-like activity for H <sub>2</sub> O <sub>2</sub> detection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18749-18758	3.6	31
64	Role of Electric Field and Reactive Oxygen Species in Enhancing Antibacterial Activity: A Case Study of 3D Cu Foam Electrode with Branched CuO/nO NWs. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26454-26463 <sup>25</sup>	3.8	25
63	Hierarchical Ni(OH) <sub>2</sub> -MnO <sub>2</sub> Array as Supercapacitor Electrode with High Capacity. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 6, 1801470	4.6	7
62	Hierarchical flower-like NiCo layered double hydroxide nanostructures: synthesis and super performance. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 3033-3041	6.8	32
61	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> , <b>2018</b> , 6, 14383-14393	8.3	82
60	FeNi Cubic [email protected] Carbon Coupled with N-Doped Graphene toward Efficient Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8266-8273	8.3	56
59	Colorimetric and ultrasensitive detection of H <sub>2</sub> O <sub>2</sub> based on Au/Co <sub>3</sub> O <sub>4</sub> -CeOx nanocomposites with enhanced peroxidase-like performance. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 271, 336-345	8.5	133
58	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> , <b>2018</b> , 5, 1683-1689	6.8	18
57	Nickel iron boride nanosheets on rGO for active electrochemical water oxidation. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 265, 135-139	3.3	22
56	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803181	24	389

55	In Situ Growth of NiFe Alloy Nanoparticles Embedded into N-Doped Bamboo-like Carbon Nanotubes as a Bifunctional Electrocatalyst for Zn-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26178-26187	9.5	66
54	Enhanced hydrogen evolution of MoS <sub>2</sub> /RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2092-2099	6.8	26
53	Neighbor nanocrystals of SnO <sub>2</sub> and TiO <sub>2</sub> for improved lithium storage. <i>Materials Letters</i> , <b>2017</b> , 195, 104-107	3.9	2
52	Double-shell CuS nanocages as advanced supercapacitor electrode materials. <i>Journal of Power Sources</i> , <b>2017</b> , 355, 31-35	8.9	69
51	Iron-Doped Cobalt Monophosphide Nanosheet/Carbon Nanotube Hybrids as Active and Stable Electrocatalysts for Water Splitting. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606635	15.6	175
50	Self-template synthesis of hierarchical CoMoS <sub>3</sub> nanotubes constructed of ultrathin nanosheets for robust water electrolysis. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11309-11315	13	69
49	Shell-core MoS <sub>2</sub> nanosheets@Fe <sub>3</sub> O <sub>4</sub> sphere heterostructure with exposed active edges for efficient electrocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 715, 53-59	5.7	32
48	MoS <sub>2</sub> nanosheets on C <sub>3</sub> N <sub>4</sub> realizing improved electrochemical hydrogen evolution. <i>Materials Letters</i> , <b>2017</b> , 197, 41-44	3.3	10
47	Loading Pt Nanoparticles on Metal-Organic Frameworks for Improved Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11577-11583	8.3	30
46	NiMoS <sub>3</sub> Nanorods as pH-Tolerant Electrocatalyst for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9006-9013	8.3	38
45	Fabrication of Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanoplates constructed flowers using Cu <sub>2</sub> O cube as sacrificial template for good lithium storage. <i>Materials Letters</i> , <b>2017</b> , 188, 291-295	3.3	4
44	Pie-like free-standing paper of graphene paper@Fe <sub>3</sub> O <sub>4</sub> nanorod array@carbon as integrated anode for robust lithium storage. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 272-277	14.7	23
43	Flexible foams of graphene entrapped SnO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> nanocubes with remarkably large and fast lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16101-16107	13	32
42	Hybrid catalyst of MoS <sub>2</sub> -CoMo <sub>2</sub> S <sub>4</sub> on graphene for robust electrochemical hydrogen evolution. <i>Fuel</i> , <b>2016</b> , 184, 559-564	7.1	35
41	Layered FeMo <sub>4</sub> S <sub>6</sub> nanosheets with robust lithium storage and electrochemical hydrogen evolution. <i>Materials Letters</i> , <b>2016</b> , 183, 1-4	3.3	21
40	Doping MoS <sub>2</sub> with Graphene Quantum Dots: Structural and Electrical Engineering towards Enhanced Electrochemical Hydrogen Evolution. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 603-610	6.7	55
39	Synthesis of 1D porous Fe <sub>2</sub> O <sub>3</sub> nanostructures using SiO <sub>2</sub> scaffold towards good lithium storages. <i>Materials Letters</i> , <b>2016</b> , 171, 125-128	3.3	5
38	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/N-C) as efficient oxygen catalysts for Zn-air batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 5067-75	7.7	89

37	Evaporation-induced self-assembly synthesis of mesoporous FeCo <sub>2</sub> O <sub>4</sub> octahedra with large and fast lithium storage properties. <i>Materials Letters</i> , <b>2016</b> , 166, 1-4	3.3	16
36	Boosting the lithium storage performance of MoS <sub>2</sub> with graphene quantum dots. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4783-4789	13	81
35	Mesoporous CoFe <sub>2</sub> O <sub>4</sub> octahedra with high-capacity and long-life lithium storage properties. <i>RSC Advances</i> , <b>2016</b> , 6, 18-22	3.7	9
34	MoS <sub>2</sub> -graphene hybrid nanosheets constructed 3D architectures with improved electrochemical performance for lithium-ion batteries and hydrogen evolution. <i>Electrochimica Acta</i> , <b>2016</b> , 189, 224-230	6.7	81
33	Co@Co <sub>3</sub> O <sub>4</sub> @PPD Core@bimetal Nanoparticle-Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , <b>2016</b> , 12, 2580-7	11	79
32	Solution-Processed Two-Dimensional MoS <sub>2</sub> Nanosheets: Preparation, Hybridization, and Applications. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8816-38	16.4	447
31	Sacrificial template formation of CoMoO <sub>4</sub> hollow nanostructures constructed by ultrathin nanosheets for robust lithium storage. <i>RSC Advances</i> , <b>2016</b> , 6, 51710-51715	3.7	16
30	3D architecture constructed by 2D SnS <sub>2</sub> -graphene hybrids towards large and fast lithium storage. <i>Materials Letters</i> , <b>2016</b> , 185, 311-314	3.3	4
29	Carbon entrapped nanosized Fe <sub>3</sub> O <sub>4</sub> on Ni foam as integrated electrode with large and fast lithium storage. <i>Materials Letters</i> , <b>2015</b> , 157, 63-66	3.3	6
28	PtFe/nitrogen-doped graphene for high-performance electrooxidation of formic acid with composition sensitive electrocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 60237-60245	3.7	21
27	Graphene-encapsulated cobalt sulfides nanocages with excellent anode performances for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 167, 32-38	6.7	58
26	Janus building block-enabled fabrication of dual metal equipped coordination polymers: an ideal precursor for noble metal/metal oxide nanocomposites with excellent catalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20073-20079	13	13
25	Construction of sandwiched graphene paper@Fe <sub>3</sub> O <sub>4</sub> nanorod array@graphene for large and fast lithium storage with an extended lifespan. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19384-19392	13	41
24	Graphene quantum dots coated VO <sub>2</sub> arrays for highly durable electrodes for Li and Na ion batteries. <i>Nano Letters</i> , <b>2015</b> , 15, 565-73	11.5	417
23	Topochemical transformation of Co(II) coordination polymers to Co <sub>3</sub> O <sub>4</sub> nanoplates for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2251-2257	13	49
22	Self-template synthesis of magnetic cobalt nanotube based on Kirkendall effect. <i>Materials Letters</i> , <b>2015</b> , 141, 288-290	3.3	3
21	Self-template synthesis of CoFe <sub>2</sub> O <sub>4</sub> nanotubes for high-performance lithium storage. <i>RSC Advances</i> , <b>2015</b> , 5, 29837-29841	3.7	21
20	Oxygen-incorporated MoS <sub>2</sub> ultrathin nanosheets grown on graphene for efficient electrochemical hydrogen evolution. <i>Journal of Power Sources</i> , <b>2015</b> , 291, 195-200	8.9	114



19	Fast and large lithium storages from CoMoO <sub>4</sub> nanorods-graphene composite. <i>Ionics</i> , <b>2015</b> , 21, 2993-2999.	2.7	19
18	Ultralong life lithium-ion battery anode with superior high-rate capability and excellent cyclic stability from mesoporous Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> core-shell nanorods. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3912	13	86
17	Self-assembled 3D Co <sub>3</sub> O <sub>4</sub> -graphene frameworks with high lithium storage performance. <i>Ionics</i> , <b>2014</b> , 20, 1635-1639	2.7	19
16	Large and stable reversible lithium-ion storages from mesoporous SnO <sub>2</sub> nanosheets with ultralong lifespan over 1000 cycles. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 365-371	8.9	38
15	FePt nanoalloys anchored reduced graphene oxide as high-performance electrocatalysts for formic acid and methanol oxidation. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 604, 286-291	5.7	21
14	In situ synthesis of SnO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> @polyaniline and their conversion to SnO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> @C composite as fully reversible anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 246, 862-867	8.9	74
13	Porous Co <sub>3</sub> O <sub>4</sub> nanorods as anode for lithium-ion battery with excellent electrochemical performance. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 213, 193-197	3.3	23
12	Mesoporous CuO xerogels constructed by nanorods for high-performance lithium storage. <i>Materials Letters</i> , <b>2014</b> , 118, 142-145	3.3	10
11	Sol-gel synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> octahedra toward high-performance anodes for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 129, 410-415	6.7	56
10	Monodisperse SnO <sub>2</sub> anchored reduced graphene oxide nanocomposites as negative electrode with high rate capability and long cyclability for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 262, 15-22	8.9	82
9	Fe <sub>2.25</sub> W <sub>0.75</sub> O <sub>4</sub> /reduced graphene oxide nanocomposites for novel bifunctional photocatalyst: One-pot synthesis, magnetically recyclable and enhanced photocatalytic property. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 205, 171-176	3.3	15
8	Tungsten doping magnetic iron oxide and their enhanced lithium ion storage properties. <i>Materials Letters</i> , <b>2013</b> , 106, 304-307	3.3	9
7	One-pot synthesis of ferromagnetic Fe <sub>2.25</sub> W <sub>0.75</sub> O <sub>4</sub> nanoparticles as a magnetically recyclable photocatalyst. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	4
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5	Molecular design of coumarin dyes with high efficiency in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 194, 167-172	4.7	53
4	A comparative theoretical investigation of ruthenium dyes in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 185, 283-288	4.7	23
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2	Liquid Polymer Nanocomposites PEGME/SnO <sub>2</sub> and PEGME/SiO <sub>2</sub> Prepared through Solvothermal Methods. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3850-3854	9.6	20

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