

# Yong Hu

## List of Publications by Citations

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143  
ext. papers

9,384  
ext. citations

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L-index

#	Paper	IF	Citations
134	Assembling carbon-coated Fe <sub>2</sub> O <sub>3</sub> hollow nanohorns on the CNT backbone for superior lithium storage capability. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 5252-5256	35.4	708
133	Construction of hierarchical NiCo <sub>2</sub> S <sub>4</sub> hollow nanobricks with oriented nanosheets for efficient overall water splitting. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 872-880	35.4	564
132	Carbon-coated CdS petalous nanostructures with enhanced photostability and photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5636-9	16.4	310
131	Formation of mesoporous heterostructured BiVO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> hollow discoids with enhanced photoactivity. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5917-21	16.4	250
130	A magnetically separable photocatalyst based on nest-like Fe <sub>3</sub> O <sub>4</sub> /ZnO double-shelled hollow structures with enhanced photocatalytic activity. <i>Nanoscale</i> , <b>2012</b> , 4, 183-7	7.7	231
129	Construction of CoO/Co-Cu-S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15441-15447	16.4	217
128	Microwave-assisted synthesis of porous Ag <sub>2</sub> S-Ag hybrid nanotubes with high visible-light photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11501-4	16.4	206
127	A Room-Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Fe-Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. <i>Small</i> , <b>2018</b> , 14, e1704233	11	178
126	Graphene Layers-Wrapped Fe/Fe <sub>5</sub> C <sub>2</sub> Nanoparticles Supported on N-doped Graphene Nanosheets for Highly Efficient Oxygen Reduction. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702476	21.8	162
125	Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 125, 425-431	21.8	149
124	Coating colloidal carbon spheres with CdS nanoparticles: microwave-assisted synthesis and enhanced photocatalytic activity. <i>Langmuir</i> , <b>2010</b> , 26, 18570-5	4	145
123	Magnetic-field induced formation of 1D Fe <sub>3</sub> O <sub>4</sub> /C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18359		134
122	Seed-mediated synthesis of NaY F <sub>4</sub> :Y <sup>3+</sup> , Er/NaGdF <sub>4</sub> nanocrystals with improved upconversion fluorescence and MR relaxivity. <i>Nanotechnology</i> , <b>2010</b> , 21, 125602	3.4	134
121	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt <sup>2+</sup> -Doped Fe <sub>2</sub> O <sub>3</sub> Nanoplates with Enhanced Photocatalytic O <sub>2</sub> Evolution. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1211-1219	13.1	125
120	A microwave-assisted rapid route to synthesize ZnO/ZnS core-shell nanostructures via controllable surface sulfidation of ZnO nanorods. <i>CrystEngComm</i> , <b>2011</b> , 13, 3438	3.3	118
119	Facile synthesis of Z-scheme Ag <sub>2</sub> CO <sub>3</sub> /Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5474-5481	13	113
118	Effects of nano-TiO <sub>2</sub> on photosynthetic characteristics of <i>Ulmus elongata</i> seedlings. <i>Environmental Pollution</i> , <b>2013</b> , 176, 63-70	9.3	110

117	One-pot magnetic field induced formation of Fe <sub>3</sub> O <sub>4</sub> /C composite microrods with enhanced lithium storage capability. <i>Small</i> , <b>2014</b> , 10, 2815-9, 2742	11	107
116	Facile one-pot synthesis of uniform TiO <sub>2</sub> -Ag hybrid hollow spheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , <b>2013</b> , 42, 1122-8	4.3	106
115	Carbon-Coated CdS Petal-like Nanostructures with Enhanced Photostability and Photocatalytic Activity. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5746-5749	3.6	106
114	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO methanation. <i>Nature Communications</i> , <b>2019</b> , 10, 2359	17.4	99
113	Construction of mesoporous Cu-doped Co <sub>9</sub> S <sub>8</sub> rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5333-5343	13	97
112	Passivation of defect states in anatase TiO <sub>2</sub> hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 202, 127-133	21.8	96
111	Facile formation of mesoporous BiVO <sub>4</sub> /Ag/AgCl heterostructured microspheres with enhanced visible-light photoactivity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9033-9	5.1	93
110	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 1-8	21.8	89
109	Hierarchical MoS <sub>2</sub> /NiCo <sub>2</sub> S <sub>4</sub> @C urchin-like hollow microspheres for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122544	14.7	86
108	Formation of Mesoporous Heterostructured BiVO <sub>4</sub> /Bi <sub>2</sub> S <sub>3</sub> Hollow Discoids with Enhanced Photoactivity. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 6027-6031	3.6	85
107	Zn-ion hybrid supercapacitors: Achievements, challenges and future perspectives. <i>Nano Energy</i> , <b>2021</b> , 85, 105942	17.1	80
106	Microwave-assisted synthesis of porous CdO@CdS core-shell nanoboxes with enhanced visible-light-driven photocatalytic reduction of Cr(VI). <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13895		79
105	Reduced CoNi <sub>2</sub> S <sub>4</sub> nanosheets with enhanced conductivity for high-performance supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 278, 33-41	6.7	78
104	Construction of hierarchical FeP/Ni <sub>2</sub> P hollow nanospindles for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14103-14111	13	77
103	Facile one-pot solvothermal preparation of Mo-doped Bi <sub>2</sub> WO <sub>6</sub> biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13242-13250	13	75
102	Formation of mesoporous Co/CoS/Metal-N-C@S, N-codoped hairy carbon polyhedrons as an efficient trifunctional electrocatalyst for Zn-air batteries and water splitting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126385	14.7	72
101	Facile in-situ growth of NiP/FeP nanohybrids on Ni foam for highly efficient urea electrolysis. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 541, 279-286	9.3	70
100	Facile one-step microwave-assisted route towards Ni nanospheres/reduced graphene oxide hybrids for non-enzymatic glucose sensing. <i>Sensors</i> , <b>2012</b> , 12, 4860-9	3.8	69

99	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2271-2279	13	68
98	Hierarchical Cu <sub>2</sub> S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22163-22174	13	67
97	Scalable fabrication of ZnxCd <sub>1-x</sub> S double-shell hollow nanospheres for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 239, 309-316	21.8	64
96	Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) tetrakaidecahedral microcrystals: Synthesis, characterization, and micro-Raman study. <i>Materials Characterization</i> , <b>2011</b> , 62, 148-151	3.9	63
95	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO <sub>2</sub> nanostructure with improved photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8101	13	59
94	Formation of sandwiched leaf-like CNTs-Co/ZnCo <sub>2</sub> O <sub>4</sub> @NC-CNTs nanohybrids for high-power-density rechargeable Zn-air batteries. <i>Nano Energy</i> , <b>2021</b> , 82, 105710	17.1	59
93	ZnO/ZnFe <sub>2</sub> O <sub>4</sub> Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 17455-17459	3.8	57
92	One-Step Solvothermal Synthesis of Petal-like Carbon-Coated Cu-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. <i>Langmuir</i> , <b>2017</b> , 33, 6719-6726	4	55
91	Directly coat TiO <sub>2</sub> on hydrophobic NaYF <sub>4</sub> :Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13486-13491	13	55
90	Carbon-coated Fe <sub>3</sub> O <sub>4</sub> microspheres with a porous multideck-cage structure for highly reversible lithium storage. <i>Chemical Communications</i> , <b>2015</b> , 51, 6921-4	5.8	54
89	One-pot solvothermal synthesis of multi-shelled Fe <sub>2</sub> O <sub>3</sub> hollow spheres with enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 551, 440-443	5.7	54
88	A facile sequential ion exchange strategy to synthesize CoSe/FeSe double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. <i>Nanoscale</i> , <b>2019</b> , 11, 10738-10747	7.7	51
87	Construction of sugar-gourd-shaped CdS/Co <sub>1-x</sub> S hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 400, 125925	14.7	48
86	Microwave-assisted route to fabricate coaxial ZnO/C/CdS nanocables with enhanced visible light-driven photocatalytic activity. <i>CrystEngComm</i> , <b>2012</b> , 14, 7686	3.3	48
85	Fabrication of Porous Cu-Doped BiVO <sub>4</sub> Nanotubes as Efficient Oxygen-Evolving Photocatalysts. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 2589-2599	5.6	45
84	Facile formation of Ag <sub>2</sub> WO <sub>4</sub> /AgX (X = Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 315-320	5.1	44
83	Band-gap engineering of porous BiVO <sub>4</sub> nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 2045-2054	6.8	43
82	Formation of MS-Ag and MS (M = Pb, Cd, Zn) nanotubes via microwave-assisted cation exchange and their enhanced photocatalytic activities. <i>Nanoscale</i> , <b>2013</b> , 5, 10864-7	7.7	43

81	Facile synthesis of Ag <sub>2</sub> WO <sub>4</sub> /AgCl nanorods for excellent photocatalytic properties. <i>Materials Letters</i> , <b>2013</b> , 91, 129-132	3.3	43
80	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 661-671	9.3	43
79	Room-temperature irradiation route to synthesize a large-scale single-crystalline ZnO hexangular prism. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 7280-2	5.1	42
78	Facile synthesis of porous Bi <sub>2</sub> O <sub>3</sub> -BiVO <sub>4</sub> p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 1080-1087	5.7	42
77	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19815-19821	13	41
76	Silica-based complex nanorattles as multifunctional carrier for anticancer drug. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8052		40
75	Thickness-dependent carrier separation in Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> nanoplates with enhanced photocatalytic water oxidation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123929	14.7	39
74	Microwave-Assisted Synthesis of Porous Ag <sub>2</sub> S/Ag Hybrid Nanotubes with High Visible-Light Photocatalytic Activity. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 11669-11672	3.6	38
73	New types of hybrid electrolytes for supercapacitors. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 57, 219-232	12	38
72	Facile in situ fabrication of Co nanoparticles embedded in 3D N-enriched mesoporous carbon foam electrocatalyst with enhanced activity and stability toward oxygen reduction reaction. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 5412-5423	4.3	37
71	A new photocatalyst based on Co(CO <sub>3</sub> ) <sub>0.5</sub> (OH)·1.1H <sub>2</sub> O/Bi <sub>2</sub> WO <sub>6</sub> nanocomposites for high-efficiency cocatalyst-free O <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 924-932	14.7	37
70	Molecule-assisted modulation of the high-valence Co <sup>3+</sup> in 3D honeycomb-like Co <sub>x</sub> S <sub>y</sub> networks for high-performance solid-state asymmetric supercapacitors. <i>Science China Materials</i> , <b>2021</b> , 64, 840-851	7.1	36
69	Controllable one-pot synthesis of various one-dimensional Bi <sub>2</sub> S <sub>3</sub> nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 611, 335-340	5.7	35
68	Controllable growth of SnS <sub>2</sub> /SnO <sub>2</sub> heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(VI). <i>RSC Advances</i> , <b>2014</b> , 4, 29698-29701	3.7	34
67	Synthesis of Mesoporous SiO <sub>2</sub> @TiO <sub>2</sub> Core/Shell Nanospheres with Enhanced Photocatalytic Properties. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 306-310	3.1	34
66	Facile fabrication of mesoporous BiOCl/(BiO) <sub>2</sub> CO <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22413-22423	13.2	24.3
65	Beyond CoO: a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. <i>Chemical Communications</i> , <b>2019</b> , 55, 14050-14053	5.8	33
64	Synthesis of monodispersed single-crystal compass-shaped Mn <sub>3</sub> O <sub>4</sub> via gamma-ray irradiation. <i>Materials Letters</i> , <b>2006</b> , 60, 383-385	3.3	32

63	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO <sub>2</sub> conversion and water oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 293, 120203	21.8	31
62	Electrospinning preparation of Sn <sup>4+</sup> -doped BiFeO <sub>3</sub> nanofibers as efficient visible-light-driven photocatalyst for O <sub>2</sub> evolution. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 766, 274-283	5.7	28
61	Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. <i>Nanotechnology</i> , <b>2010</b> , 21, 315105	3.4	28
60	Monodisperse ZnO Nanodots: Synthesis, Characterization, and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9757-9760	3.8	27
59	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 298, 120512	21.8	27
58	Facile Cl <sup>-</sup> -mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. <i>CrystEngComm</i> , <b>2013</b> , 15, 2598	3.3	26
57	Mesoporous silica-coated NaYF <sub>4</sub> nanocrystals: facile synthesis, in vitro bioimaging and photodynamic therapy of cancer cells. <i>RSC Advances</i> , <b>2012</b> , 2, 12263	3.7	26
56	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 596, 431-441	9.3	26
55	Construction of CoO/Co-Cu-S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15587-15593	3.6	25
54	Temperature-triggered self-assembly of ZnO: from nanocrystals to nanorods to tablets. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 11031-5	5.1	24
53	A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS <sub>2</sub> modified CoS/CoSe heterostructured nanotube arrays for boosted energy-saving H <sub>2</sub> generation. <i>Nanoscale</i> , <b>2020</b> , 12, 991-1007	7.7	23
52	Electrostatic self-assembly of TiO <sub>2</sub> nanoparticles onto carbon spheres with enhanced adsorption capability for Cr(VI). <i>Materials Letters</i> , <b>2012</b> , 68, 174-177	3.3	22
51	Preparation of hollow CdSe nanospheres. <i>Materials Letters</i> , <b>2004</b> , 58, 2911-2913	3.3	22
50	Direct coating ZnO nanocrystals onto 1D Fe <sub>3</sub> O <sub>4</sub> /C composite microrods as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 637, 301-307	5.7	20
49	Rapid formation of Ag(n)X(X = S, Cl, PO <sub>4</sub> , C <sub>2</sub> O <sub>4</sub> ) nanotubes via an acid-etching anion exchange reaction. <i>Nanoscale</i> , <b>2014</b> , 6, 5612-5	7.7	20
48	Facile growth of ZnO nanocrystals on nitrogen-doped carbon nanotubes for visible-light photodegradation of dyes. <i>Materials Letters</i> , <b>2013</b> , 100, 278-281	3.3	19
47	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO <sub>2</sub> core-shell nanocomposite photocatalyst. <i>RSC Advances</i> , <b>2016</b> , 6, 38653-38661	3.7	19
46	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 1-8	9.3	19



45	Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon. <i>CrystEngComm</i> , <b>2012</b> , 14, 4507	3.3	18
44	Synthesis and Characterization of Semiconductor Nanomaterials and Micromaterials via Gamma-irradiation Route. <i>Journal of Cluster Science</i> , <b>2007</b> , 18, 371-387	3	17
43	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 20797-20808	7.7	17
42	Facile Growth of Cu <sub>2</sub> O Nanowires on Reduced Graphene Sheets with High Nonenzymatic Electrocatalytic Activity Toward Glucose. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 811-815	3.8	16
41	Synergistic effects of Fe and Mn dual-doping in CoS ultrathin nanosheets for high-performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 590, 226-237	9.3	16
40	Enhanced Photoactivity and Photostability for Visible-Light-Driven Water Oxidation over BiFeO <sub>3</sub> Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1323-1331	3.5	16
39	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn <sub>2</sub> O <sub>3</sub> and its magnetic-optical properties. <i>CrystEngComm</i> , <b>2010</b> , 12, 2687	3.3	15
38	Preparation of ZnS nanocrystals in network of hydrogel. <i>Materials Letters</i> , <b>2003</b> , 57, 1312-1316	3.3	15
37	Facile preparation of ternary Ag <sub>2</sub> CO <sub>3</sub> /Ag/PANI composite nanorods with enhanced photoactivity and stability. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4521-4531	4.3	14
36	Synthesis of MWCNT/nickel glycolate polymer core-shell nanostructures and their nonenzymatic electrocatalytic activity toward glucose. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 10-13	4.4	14
35	Synthesis of hollow lead sulfide microspheres. <i>Materials Letters</i> , <b>2005</b> , 59, 234-237	3.3	14
34	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 562, 400-408	9.3	13
33	Self-assembly of TiO <sub>2</sub> composite microspheres: Facile synthesis, characterization and photocatalytic activities. <i>CrystEngComm</i> , <b>2012</b> , 14, 7118	3.3	12
32	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. <i>Materials Letters</i> , <b>2010</b> , 64, 1095-1098	3.3	12
31	Synthesis of monodispersed CdS nanoballs through $\gamma$ irradiation route and building core-shell structure CdS@SiO <sub>2</sub> . <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 2211-2218	5.1	12
30	Facile Low-Temperature Synthesis of Carbon Nanotube/ Nanohybrids with Enhanced Visible-Light-Driven Photocatalytic Activity. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-6	2.1	10
29	Preparation of well uniform-sized and monodisperse ZnS nanoballs by $\gamma$ irradiation method. <i>Materials Letters</i> , <b>2007</b> , 61, 115-118	3.3	10
28	Fabrication of an Au -Cys-Mo Electrocatalyst for Efficient Nitrogen Reduction to Ammonia under Ambient Conditions. <i>Small</i> , <b>2021</b> , 17, e2100372	11	10

27	Precise regulation of pyrrole-type single-atom Mn-N <sub>4</sub> sites for superior pH-universal oxygen reduction <b>2021</b> , 3, 856		10
26	Formation of 1D chain-like Fe <sub>3</sub> O <sub>4</sub> @C/Pt sandwich nanocomposites and their magnetically recyclable catalytic property. <i>Applied Surface Science</i> , <b>2018</b> , 457, 1136-1141	6.7	9
25	Carbon nanocoating: an effective nanoreactor towards well-defined carbon-coated GaN hollow nanospindles. <i>Nanoscale</i> , <b>2014</b> , 6, 3051-4	7.7	9
24	A novel route to prepare CdSe hollow structures. <i>Materials Letters</i> , <b>2003</b> , 57, 3137-3139	3.3	9
23	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe <sub>2</sub> O <sub>4</sub> hybrid nanoneedles with superior adsorption performance. <i>RSC Advances</i> , <b>2017</b> , 7, 5093-5100	3.7	8
22	An efficient and stable Ni <sub>3</sub> Se <sub>2</sub> selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 13927-13937	4.3	8
21	Carbon/Metal-Sulfide Composite Template: A New Facile Route Toward Well-Defined Oxide Hollow Nanospheres. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1667-1669	3.8	8
20	Two-step nitrogen and sulfur doping in porous carbon dodecahedra for Zn-ion hybrid supercapacitors with long term stability. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133250	14.7	8
19	pH-induced hydrothermal synthesis of BiWO <sub>4</sub> nanoplates with controlled crystal facets for switching bifunctional photocatalytic water oxidation/reduction activity. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 868-879	9.3	8
18	Accelerating Triple Transport in Zinc-Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycomb-Like Macroporous N-Doped Carbon. <i>Small</i> , <b>2021</b> , 17, e2103517 <sup>11</sup>		7
17	One-step synthesis and self-organization of polypyrrole ultrathin films inlaid with Prussian blue nanoparticles induced by a drop of toluene solution on water surface. <i>Thin Solid Films</i> , <b>2012</b> , 520, 2026-2031	2.3	6
16	Designed preparation of CoS/Co/MoC nanoparticles incorporated in N and S dual-doped porous carbon nanofibers for high-performance Zn-air batteries. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2243-2248	8.1	6
15	Integrating trifunctional Co@NC-CNTs@NiFe-LDH electrocatalysts with arrays of porous triangle carbon plates for high-power-density rechargeable Zn-air batteries and self-powered water splitting. <i>Chemical Engineering Journal</i> , <b>2022</b> , 446, 137049	14.7	6
14	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by AlN <sub>x</sub> assisted W doped Fe <sub>2</sub> O <sub>3</sub> nanosheets. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 208, 110395	6.4	5
13	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. <i>Journal of Nanomaterials</i> , <b>2010</b> , 2010, 1-5	3.2	5
12	Optimization strategies on the advanced engineering of Co-based nanomaterials for electrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 890, 161929	5.7	5
11	Nitric acid-assisted growth of InVO <sub>4</sub> nanobelts on protonated ultrathin C <sub>3</sub> N <sub>4</sub> nanosheets as an S-scheme photocatalyst with tunable oxygen vacancies for boosting CO <sub>2</sub> conversion. <i>Chemical Engineering Journal</i> , <b>2021</b> , 434, 133867	14.7	4
10	Visible-Light-Driven Electrocatalytic Oxygen Evolution Reaction: NiFe <sub>2</sub> O <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> -layered Double Hydroxide Z-Scheme Heteronanoshheet as a Model. <i>Energy Technology</i> , <b>2020</b> , 8, 2000607	3.5	4



9	Innentitelbild: Carbon-Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity (Angew. Chem. 21/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5520-5520	3.6	3
8	Solvothermal Synthesis of Nickel Glycolate Polymer and NiO Microtubes and Their Cr(VI) Absorbing Properties. <i>Advanced Materials Research</i> , <b>2012</b> , 465, 210-214	0.5	2
7	In-situ photodeposition of cadmium sulfide nanocrystals on manganese dioxidenanorods with rich oxygen vacancies for boosting water-to-oxygen photooxidation.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 613, 764-774	9.3	2
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5	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 3733-3733	8.1	1
4	Unveiling the cooperative roles of pyrrolic-N and carboxyl groups in biomass-derived hierarchical porous carbon nanosheets for high energy-power Zn-ion hybrid supercapacitors. <i>Applied Surface Science</i> , <b>2022</b> , 598, 153819	6.7	1
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