

Ying Yu

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137
papers

11,523
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105
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140
ext. papers

13,518
ext. citations

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6.67
L-index

#	Paper	IF	Citations
137	Cu nanowires shelled with NiFe layered double hydroxide nanosheets as bifunctional electrocatalysts for overall water splitting. <i>Energy and Environmental Science</i> , 2017 , 10, 1820-1827	35.4	733
136	Bismuth oxyhalide nanomaterials: layered structures meet photocatalysis. <i>Nanoscale</i> , 2014 , 6, 8473-88	7.7	655
135	Enhancement of photocatalytic activity of mesoporous TiO ₂ by using carbon nanotubes. <i>Applied Catalysis A: General</i> , 2005 , 289, 186-196	5.1	397
134	Giant Enhancement of Internal Electric Field Boosting Bulk Charge Separation for Photocatalysis. <i>Advanced Materials</i> , 2016 , 28, 4059-64	24	354
133	Enhancement of adsorption and photocatalytic activity of TiO ₂ by using carbon nanotubes for the treatment of azo dye. <i>Applied Catalysis B: Environmental</i> , 2005 , 61, 1-11	21.8	346
132	Non-noble metal-nitride based electrocatalysts for high-performance alkaline seawater electrolysis. <i>Nature Communications</i> , 2019 , 10, 5106	17.4	318
131	Preparation of multi-walled carbon nanotube supported TiO ₂ and its photocatalytic activity in the reduction of CO ₂ with H ₂ O. <i>Carbon</i> , 2007 , 45, 717-721	10.4	307
130	Superior visible light hydrogen evolution of Janus bilayer junctions via atomic-level charge flow steering. <i>Nature Communications</i> , 2016 , 7, 11480	17.4	303
129	A molecular-imprint nanosensor for ultrasensitive detection of proteins. <i>Nature Nanotechnology</i> , 2010 , 5, 597-601	28.7	291
128	Ti ³⁺ in the Surface of Titanium Dioxide: Generation, Properties and Photocatalytic Application. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-13	3.2	282
127	Dropwise condensation on superhydrophobic surfaces with two-tier roughness. <i>Applied Physics Letters</i> , 2007 , 90, 173108	3.4	275
126	Water splitting by electrolysis at high current densities under 1.6 volts. <i>Energy and Environmental Science</i> , 2018 , 11, 2858-2864	35.4	273
125	Hydrothermal preparation and visible-light photocatalytic activity of Bi ₂ WO ₆ powders. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1968-1972	3.3	266
124	Highly efficient photocatalytic removal of sodium pentachlorophenate with Bi ₃ O ₄ Br under visible light. <i>Applied Catalysis B: Environmental</i> , 2013 , 136-137, 112-121	21.8	265
123	Adsorption of Water-Soluble Dye onto Functionalized Resin. <i>Journal of Colloid and Interface Science</i> , 2001 , 242, 288-293	9.3	242
122	Visible-light-driven photocatalytic inactivation of E. coli K-12 by bismuth vanadate nanotubes: bactericidal performance and mechanism. <i>Environmental Science & Technology</i> , 2012 , 46, 4599-606	10.3	222
121	In situ Fenton reagent generated from TiO ₂ /Cu ₂ O composite film: a new way to utilize TiO ₂ under visible light irradiation. <i>Environmental Science & Technology</i> , 2007 , 41, 6264-9	10.3	209

120	Hierarchical Cu@CoFe layered double hydroxide core-shell nanoarchitectures as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Energy</i> , 2017 , 41, 327-336	17.1	174
119	Ultrafast room-temperature synthesis of porous S-doped Ni/Fe (oxy)hydroxide electrodes for oxygen evolution catalysis in seawater splitting. <i>Energy and Environmental Science</i> , 2020 , 13, 3439-3446	35.4	173
118	Enhanced Activity and Stability of Carbon-Decorated Cuprous Oxide Mesoporous Nanorods for CO ₂ Reduction in Artificial Photosynthesis. <i>ACS Catalysis</i> , 2016 , 6, 6444-6454	13.1	165
117	Synthesis and internal electric field dependent photoreactivity of Bi ₃ O ₄ Cl single-crystalline nanosheets with high {001} facet exposure percentages. <i>Nanoscale</i> , 2014 , 6, 167-71	7.7	161
116	A New View of Supercapacitors: Integrated Supercapacitors. <i>Advanced Energy Materials</i> , 2019 , 9, 1901081	11.8	155
115	Single Fe Atom on Hierarchically Porous S, N-Codoped Nanocarbon Derived from Porphyrin Enable Boosted Oxygen Catalysis for Rechargeable Zn-Air Batteries. <i>Small</i> , 2019 , 15, e1900307	11	153
114	Mechanistic Study of Codoped Titania with Nonmetal and Metal Ions: A Case of C + Mo Codoped TiO ₂ . <i>ACS Catalysis</i> , 2012 , 2, 391-398	13.1	149
113	Ternary Ni ₂ (1-x)Mo ₂ xP nanowire arrays toward efficient and stable hydrogen evolution electrocatalysis under large-current-density. <i>Nano Energy</i> , 2018 , 53, 492-500	17.1	148
112	Facile Synthesis of Flowerlike Cu ₂ O Nanoarchitectures by a Solution Phase Route. <i>Crystal Growth and Design</i> , 2007 , 7, 87-92	3.5	134
111	Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion. <i>Advanced Functional Materials</i> , 2015 , 25, 2189-2201	15.6	121
110	Recent developments in earth-abundant and non-noble electrocatalysts for water electrolysis. <i>Materials Today Physics</i> , 2018 , 7, 121-138	8	119
109	In Situ Polymerized PAN-Assisted S/C Nanosphere with Enhanced High-Power Performance as Cathode for Lithium/Sulfur Batteries. <i>Nano Letters</i> , 2015 , 15, 5116-23	11.5	114
108	Adsorption of water-soluble dyes onto modified resin. <i>Chemosphere</i> , 2004 , 54, 425-30	8.4	114
107	Zn-Doped CdS Nanoarchitectures Prepared by Hydrothermal Synthesis: Mechanism for Enhanced Photocatalytic Activity and Stability under Visible Light. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9078-9084	2.8	107
106	Amorphous NiFe layered double hydroxide nanosheets decorated on 3D nickel phosphide nanoarrays: a hierarchical core-shell electrocatalyst for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13619-13623	13	105
105	One-dimensional shape-controlled preparation of porous Cu ₂ O nano-whiskers by using CTAB as a template. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4640-4647	3.3	101
104	Atypical Oxygen-Bearing Copper Boosts Ethylene Selectivity toward Electrocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11417-11427	16.4	99
103	Defective and ultrathin NiFe LDH nanosheets decorated on V-doped Ni ₃ S ₂ nanorod arrays: a 3D core-shell electrocatalyst for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18118-18125	13.25	98

102	Photocatalytic reduction of CO ₂ to CO over copper decorated g-C ₃ N ₄ nanosheets with enhanced yield and selectivity. <i>Applied Surface Science</i> , 2018 , 427, 1165-1173	6.7	97
101	Template-free synthesis of BiVO ₄ nanostructures: I. Nanotubes with hexagonal cross sections by oriented attachment and their photocatalytic property for water splitting under visible light. <i>Nanotechnology</i> , 2009 , 20, 115603	3.4	96
100	Preparation of Fenton reagent with H ₂ O ₂ generated by solar light-illuminated nano-Cu ₂ O/MWNTs composites. <i>Applied Catalysis A: General</i> , 2006 , 299, 292-297	5.1	88
99	Octahedral Cu ₂ O-modified TiO ₂ nanotube arrays for efficient photocatalytic reduction of CO ₂ . <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2229-2236	11.3	86
98	p-Type and n-type Cu ₂ O semiconductor thin films: Controllable preparation by simple solvothermal method and photoelectrochemical properties. <i>Electrochimica Acta</i> , 2011 , 56, 2735-2739	6.7	86
97	Preparation, characterization and photocatalytic properties of CdS nanoparticles dotted on the surface of carbon nanotubes. <i>Nanotechnology</i> , 2008 , 19, 115709	3.4	83
96	Preparation, characterization and photocatalytic properties of ZnO-coated multi-walled carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 163, 194-198	3.1	82
95	N-doped Ni-Mo based sulfides for high-efficiency and stable hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119137	21.8	77
94	Visible-light driven CO ₂ reduction coupled with water oxidation on Cl-doped Cu ₂ O nanorods. <i>Nano Energy</i> , 2019 , 60, 576-582	17.1	71
93	A universal synthesis strategy to make metal nitride electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19728-19732	13	67
92	Enhanced photocatalytic activity and stability of semiconductor by Ag doping and simultaneous deposition: the case of CdS. <i>RSC Advances</i> , 2013 , 3, 20782	3.7	63
91	Template-free synthesis of BiVO ₄ nanostructures: II. Relationship between various microstructures for monoclinic BiVO ₄ and their photocatalytic activity for the degradation of rhodamine B under visible light. <i>Nanotechnology</i> , 2009 , 20, 405602	3.4	62
90	Copper nanoparticle interspersed MoS nanoflowers with enhanced efficiency for CO electrochemical reduction to fuel. <i>Dalton Transactions</i> , 2017 , 46, 10569-10577	4.3	59
89	TiO ₂ Nanotube Arrays Grafted with MnO ₂ Nanosheets as High-Performance Anode for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2015 , 156, 252-260	6.7	59
88	Self-assembled Cu ₂ O flowerlike architecture: Polyol synthesis, photocatalytic activity and stability under simulated solar light. <i>Materials Research Bulletin</i> , 2010 , 45, 961-968	5.1	59
87	Bifunctional photocatalysis of TiO ₂ /Cu ₂ O composite under visible light: Ti ³⁺ in organic pollutant degradation and water splitting. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 1104-1109	3.9	57
86	Cu ₂ O Homojunction Solar Cells: F-Doped N-type Thin Film and Highly Improved Efficiency. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22803-22811	3.8	56
85	Synthesis of novel high-voltage cathode material LiCoPO ₄ via rheological phase method. <i>Journal of Alloys and Compounds</i> , 2010 , 502, 407-410	5.7	56

84	New Way for CO ₂ Reduction under Visible Light by a Combination of a Cu Electrode and Semiconductor Thin Film: Cu ₂ O Conduction Type and Morphology Effect. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24467-24478	3.8	55
83	Nitrogen-doped TiO ₂ nanoparticles by using EDTA as nitrogen source and soft template: Simple preparation, mesoporous structure, and photocatalytic activity under visible light. <i>Journal of Alloys and Compounds</i> , 2012 , 540, 228-235	5.7	54
82	Aligned 2-D Nanosheet Cu ₂ O Film: Oriented Deposition on Cu Foil and Its Photoelectrochemical Property. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18916-18922	3.8	53
81	Sonication assisted deposition of Cu ₂ O nanoparticles on multiwall carbon nanotubes with polyol process. <i>Carbon</i> , 2005 , 43, 670-673	10.4	52
80	Hierarchical 3D TiO ₂ @Fe ₂ O ₃ nanoframework arrays as high-performance anode materials. <i>Nanoscale</i> , 2014 , 6, 6463-7	7.7	51
79	Robust and selective electrochemical reduction of CO ₂ : the case of integrated 3D TiO ₂ @MoS ₂ architectures and Ti-B bonding effects. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4706-4713	13	49
78	Facile in situ fabrication of Cu ₂ O@Cu metal-semiconductor heterostructured nanorods for efficient visible-light driven CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020 , 385, 123940	14.7	48
77	Coating MWNTs with Cu ₂ O of different morphology by a polyol process. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1488-1494	3.3	47
76	Controllable synthesis of self-assembled Cu ₂ S nanostructures through a template-free polyol process for the degradation of organic pollutant under visible light. <i>Materials Research Bulletin</i> , 2009 , 44, 1834-1841	5.1	46
75	Facile Synthesis of Carbon Spheres with Uniformly Dispersed MnO Nanoparticles for Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2015 , 152, 44-52	6.7	45
74	CuBi ₂ O ₄ single crystal nanorods prepared by hydrothermal method: Growth mechanism and optical properties. <i>Materials Research Bulletin</i> , 2011 , 46, 1443-1450	5.1	45
73	Three-dimensional interconnected core-shell networks with Ni(Fe)OOH and MnO ₂ active species together as high-efficiency oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19045-19059	13	44
72	Combination study of DFT calculation and experiment for photocatalytic properties of S-doped anatase TiO ₂ . <i>Applied Surface Science</i> , 2014 , 319, 50-59	6.7	42
71	A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. <i>Nano Energy</i> , 2019 , 57, 635-643	17.1	42
70	Synthesis of (CuIn) _x Cd ₂ (1-x)S ₂ photocatalysts for H ₂ evolution under visible light by using a low-temperature hydrothermal method. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 3297-3305	6.7	41
69	Synergistic effect of adsorption and visible-light photocatalysis for organic pollutant removal over BiVO ₄ /carbon sphere nanocomposites. <i>Applied Surface Science</i> , 2018 , 453, 394-404	6.7	40
68	Ultraporous interweaving electrospun microfibers from PCL-PEO binary blends and their inflammatory responses. <i>Nanoscale</i> , 2014 , 6, 3392-402	7.7	39
67	Carbon-decorated LiTiO ₂ /rutile TiO ₂ mesoporous microspheres with nanostructures as high-performance anode materials in lithium-ion batteries. <i>Nanotechnology</i> , 2014 , 25, 175402	3.4	38

66	Design of SnO ₂ /C hybrid triple-layer nanospheres as Li-ion battery anodes with high stability and rate capability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2748-2755	13	37
65	Synthesis of Bi ₂ O ₃ /Cu ₂ O nanoflowers by hydrothermal method and its photocatalytic activity enhancement under simulated sunlight. <i>Journal of Alloys and Compounds</i> , 2013 , 560, 132-141	5.7	37
64	TiO ₂ mesoporous microspheres with nanorod structure: facile synthesis and superior electrochemical performance. <i>Electrochimica Acta</i> , 2014 , 120, 231-239	6.7	36
63	Design of a unique 3D-nanostructure to make MnO ₂ work as supercapacitor material in acid environment. <i>Chemical Engineering Journal</i> , 2017 , 321, 554-563	14.7	35
62	VS ₄ with a chain crystal structure used as an intercalation cathode for aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10761-10766	13	35
61	Nano-sized Li ₄ Ti ₅ O ₁₂ anode material with excellent performance prepared by solid state reaction: The effect of precursor size and morphology. <i>Electrochimica Acta</i> , 2013 , 112, 356-363	6.7	35
60	Neodymium-Doped TiO ₂ with Anatase and Brookite Two Phases: Mechanism for Photocatalytic Activity Enhancement under Visible Light and the Role of Electron. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-10	2.1	35
59	Adsorption of Water-Soluble Dyes onto Resin NKZ. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 6898-6903	3.9	35
58	Fe induced nanostructure reorganization and electronic structure modulation over CoNi (oxy)hydroxide nanorod arrays for boosting oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021 , 403, 126304	14.7	35
57	Visible-light Energy Storage by Ti ³⁺ in TiO ₂ /Cu ₂ O Bilayer Film. <i>Chemistry Letters</i> , 2009 , 38, 1154-1155	1.7	34
56	Electrolyzer with hierarchical transition metal sulfide and phosphide towards overall water splitting. <i>Materials Today Physics</i> , 2019 , 11, 100162	8	33
55	N-type Cu ₂ O Film for Photocatalytic and Photoelectrocatalytic Processes: Its stability and Inactivation of E. coli. <i>Electrochimica Acta</i> , 2015 , 153, 583-593	6.7	32
54	Enhanced photocatalytic activity and stability of interstitial Ga-doped CdS: Combination of experiment and calculation. <i>Catalysis Today</i> , 2014 , 224, 104-113	5.3	32
53	Cu ₂ O nanorod thin films prepared by CBD method with CTAB: Substrate effect, deposition mechanism and photoelectrochemical properties. <i>Materials Chemistry and Physics</i> , 2011 , 127, 433-439	4.4	32
52	TiO ₂ nanoparticles with high ability for selective adsorption and photodegradation of textile dyes under visible light by feasible preparation. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 86-93	3.9	30
51	Ultrafast fabrication of porous transition metal foams for efficient electrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 120002	21.8	30
50	Realizing a Rechargeable High-Performance Cu/Zn Battery by Adjusting the Solubility of Cu ²⁺ . <i>Advanced Functional Materials</i> , 2019 , 29, 1905979	15.6	29
49	TiO ₂ thin films with rutile phase prepared by DC magnetron co-sputtering at room temperature: Effect of Cu incorporation. <i>Applied Surface Science</i> , 2015 , 345, 49-56	6.7	28

48	Nickel phosphide based hydrogen producing catalyst with low overpotential and stability at high current density. <i>Electrochimica Acta</i> , 2019 , 299, 756-761	6.7	27
47	Hierarchical porous Fe ₂ O ₃ assisted with graphene-like carbon as high-performance lithium battery anodes. <i>Materials Today Physics</i> , 2017 , 3, 7-15	8	25
46	Electrochemistry and electrocatalysis of myoglobin on carbon coated Fe ₃ O ₄ nanospindle modified carbon ionic liquid electrode. <i>RSC Advances</i> , 2012 , 2, 5676	3.7	25
45	Effect of Dye Structure on the Interaction between Organic Flocculant PAN-DCD and Dye. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 1589-1596	3.9	25
44	Sand flower layered double hydroxides synthesized by co-precipitation for CO ₂ capture: Morphology evolution mechanism, agitation effect and stability. <i>Materials Chemistry and Physics</i> , 2013 , 140, 159-167	4.4	24
43	Co-dopant influence on near-infrared luminescence properties of Zn ₂ SnO ₄ :Cr ³⁺ , Eu ³⁺ ceramic discs. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 407-412	5.7	23
42	Reaction mechanisms for reduction of CO ₂ to CO on monolayer MoS ₂ . <i>Applied Surface Science</i> , 2020 , 499, 143964	6.7	23
41	Nest-like V ₃ O ₇ self-assembled by porous nanowires as an anode supercapacitor material and its performance optimization through bonding with N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16475-16484	13	22
40	Nitrogen-coordinated metallic cobalt disulfide self-encapsulated in graphitic carbon for electrochemical water oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118449	21.8	22
39	Photocatalytic activity enhancement of CdS through In doping by simple hydrothermal method. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 647-652	3.9	21
38	Enhanced photocatalytic activity of Bi ₂ O ₃ with high electron-hole mobility by codoping approach: A first-principles study. <i>Applied Surface Science</i> , 2015 , 358, 449-456	6.7	21
37	Design of multidimensional nanocomposite material to realize the application both in energy storage and electrocatalysis. <i>Science Bulletin</i> , 2018 , 63, 152-154	10.6	20
36	A Model to Stabilize CO Uptake Capacity during Carbonation-Calcination Cycles and its Case of CaO-MgO. <i>Environmental Science & Technology</i> , 2017 , 51, 552-559	10.3	19
35	Platinum nanoparticles supported on defective tungsten bronze-type KSr ₂ Nb ₅ O ₁₅ as a novel photocatalyst for efficient ethylene oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18998-19006	13	18
34	Carbon-Infused MoS ₂ Supported on TiO ₂ Nanosheet Arrays for Intensified Anodes in Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 212, 59-67	6.7	18
33	Self-supported ultrathin bismuth nanosheets acquired by in situ topotactic transformation of BiOCl as a high performance aqueous anode material. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6784-6792	13	17
32	Application of flower-like SnS ₂ nanoparticles for direct electrochemistry of hemoglobin and its electrocatalysis. <i>Analytical Methods</i> , 2014 , 6, 404-409	3.2	17
31	Ultraporous nanofeatured PCL-PEO microfibrinous scaffolds enhance cell infiltration, colonization and myofibroblastic differentiation. <i>Nanoscale</i> , 2015 , 7, 14989-95	7.7	16

30	Magnetic properties of Cu(m)O(n) clusters: a first principles study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8417-22	2.8	16
29	H ₂ O ₂ Treated CdS with Enhanced Activity and Improved Stability by a Weak Negative Bias for CO ₂ Photoelectrocatalytic Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4325-4334	8.3	15
28	Delivery of dexamethasone from electrospun PCL/PEO binary fibers and their effects on inflammation regulation. <i>RSC Advances</i> , 2015 , 5, 34166-34172	3.7	15
27	High spatially resolved morphological, structural and spectroscopical studies on copper oxide nanocrystals. <i>Nanotechnology</i> , 2007 , 18, 075705	3.4	15
26	A robust bifunctional catalyst for rechargeable Zn-air batteries: Ultrathin NiFe-LDH nanowalls vertically anchored on soybean-derived Fe-N-C matrix. <i>Nano Research</i> , 2021 , 14, 1175-1186	10	15
25	Hydrogen plasma reduced potassium titanate as a high power and ultralong lifespan anode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22037-22042	13	15
24	Characterization and high pollutant removal ability of buoyant (C, N)TiO ₂ /PTFE flakes prepared by high-energy ball-milling. <i>RSC Advances</i> , 2014 , 4, 40019	3.7	13
23	Interconnected mesoporous NiO sheets deposited onto TiO ₂ nanosheet arrays as binder-free anode materials with enhanced performance for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 101247-101256	3.7	13
22	Facile preparation of WS ₂ nanosheet arrays with large crystal channels as high-performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2020 , 330, 135209	6.7	13
21	Stable core-shell ZIF-8@ZIF-67 MOFs photocatalyst for highly efficient degradation of organic pollutant and hydrogen evolution. <i>Journal of Materials Research</i> , 2021 , 36, 602-614	2.5	13
20	Assembly of multi-functional nanocomponents on periodic nanotube array for biosensors. <i>Micro and Nano Letters</i> , 2009 , 4, 27-33	0.9	12
19	Energy Storage in Bifunctional TiO ₂ Composite Materials under UV and Visible Light. <i>Energies</i> , 2009 , 2, 1009-1030	3.1	11
18	Interactions between organic flocculant PAN-DCD and dyes. <i>Chemosphere</i> , 2001 , 44, 1287-92	8.4	11
17	Experimental method to explore the adaptation degree of type-II and all-solid-state Z-scheme heterojunction structures in the same degradation system. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1522-1534	11.3	10
16	Nd ³⁺ ions induced rational morphology control of transition metal oxides for high energy storage performance. <i>Journal of Power Sources</i> , 2020 , 472, 228599	8.9	10
15	A novel H ₂ O ₂ -assisted method to fabricate Li ₄ Ti ₅ O ₁₂ /TiO ₂ materials for high-performance energy storage. <i>Electrochimica Acta</i> , 2018 , 281, 142-151	6.7	10
14	A simplified chemical synthesis of Cu ₂ O films with periodic pattern transfer. <i>Thin Solid Films</i> , 2010 , 518, 6738-6745	2.2	9
13	LSDA+ U study on the electronic and anti-ferromagnetic properties of Ni-doped CuO and Cu-doped NiO. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 767-773	11.3	8

12	Role of oxygen in copper-based catalysts for carbon dioxide electrochemical reduction. <i>Materials Today Physics</i> , 2021 , 20, 100443	8	8
11	High-performance seawater oxidation by a homogeneous multimetallic layered double hydroxide electrocatalyst.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2202382119	11.5	8
10	Multiple magnification effects of Ce ³⁺ ions on near-infrared persistent luminescence of Cr-doped LaAlO ₃ . <i>Optical Materials Express</i> , 2016 , 6, 922	2.6	6
9	Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO Reduction to Hydrocarbons*. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
8	Visible-light responsive boron and nitrogen codoped anatase TiO ₂ with exposed {0 0 1} facet: Calculation and experiment. <i>Applied Surface Science</i> , 2019 , 466, 568-577	6.7	6
7	Synthesis and Characteristic of Cuprous Oxide Nano-Whiskers with Photocatalytic Activity under Visible Light. <i>Materials Science Forum</i> , 2005 , 475-479, 3531-3534	0.4	5
6	Ultrafast charge in Zn-based batteries through high-potential deposition. <i>Materials Today Physics</i> , 2021 , 19, 100425	8	4
5	Fermi-level-tuned MOF-derived N-ZnO@NC for photocatalysis: A key role of pyridine-N-Zn bond. <i>Journal of Materials Science and Technology</i> , 2022 , 112, 68-76	9.1	3
4	Ultra-small Ni(HCO) as a water dissociation promoter boosting the alkaline hydrogen electrocatalysis performance of MoS. <i>Chemical Communications</i> , 2020 , 56, 12065-12068	5.8	2
3	Comparative study of oxidative stress induced by sand flower and schistose nanosized layered double hydroxides in N ₂ a cells. <i>Frontiers in Biology</i> , 2015 , 10, 279-286		1
2	Cu ₂ O nanorods with large surface area for photodegradation of organic pollutant under visible light 2007 ,		1
1	Cu ₂ O-Based Nanocomposites for Environmental Protection 2014 , 41-70		