

# Ying Yu

## List of Publications by Year in descending order

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139  
papers

15,706  
citations

22099

59  
h-index

17055

122  
g-index

140  
all docs

140  
docs citations

140  
times ranked

17032  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	15.6	1,002
2	Bismuth oxyhalide nanomaterials: layered structures meet photocatalysis. <i>Nanoscale</i> , 2014, 6, 8473-8488.	2.8	774
3	Non-noble metal-nitride based electrocatalysts for high-performance alkaline seawater electrolysis. <i>Nature Communications</i> , 2019, 10, 5106.	5.8	742
4	Giant Enhancement of Internal Electric Field Boosting Bulk Charge Separation for Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 4059-4064.	11.1	538
5	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.	15.6	507
6	Water splitting by electrolysis at high current densities under 1.6 volts. <i>Energy and Environmental Science</i> , 2018, 11, 2858-2864.	15.6	438
7	Enhancement of photocatalytic activity of mesoporous TiO <sub>2</sub> by using carbon nanotubes. <i>Applied Catalysis A: General</i> , 2005, 289, 186-196.	2.2	434
8	Superior visible light hydrogen evolution of Janus bilayer junctions via atomic-level charge flow steering. <i>Nature Communications</i> , 2016, 7, 11480.	5.8	403
9	Enhancement of adsorption and photocatalytic activity of TiO <sub>2</sub> by using carbon nanotubes for the treatment of azo dye. <i>Applied Catalysis B: Environmental</i> , 2005, 61, 1-11.	10.8	377
10	Preparation of multi-walled carbon nanotube supported TiO <sub>2</sub> and its photocatalytic activity in the reduction of CO <sub>2</sub> with H <sub>2</sub> O. <i>Carbon</i> , 2007, 45, 717-721.	5.4	346
11	Highly efficient photocatalytic removal of sodium pentachlorophenate with Bi <sub>3</sub> O <sub>4</sub> Br under visible light. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 112-121.	10.8	338
12	$\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Ti} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle$ the Surface of Titanium Dioxide: Generation, Properties and Photocatalytic Application. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-13.	1.5	326
13	A molecular-imprint nanosensor for ultrasensitive detection of proteins. <i>Nature Nanotechnology</i> , 2010, 5, 597-601.	15.6	322
14	A New View of Supercapacitors: Integrated Supercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1901081.	10.2	315
15	Dropwise condensation on superhydrophobic surfaces with two-tier roughness. <i>Applied Physics Letters</i> , 2007, 90, 173108.	1.5	302
16	Hydrothermal preparation and visible-light photocatalytic activity of Bi <sub>2</sub> WO <sub>6</sub> powders. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1968-1972.	1.4	288
17	Single Fe Atom on Hierarchically Porous S, N-codoped Nanocarbon Derived from Porphyra Enable Boosted Oxygen Catalysis for Rechargeable Zn-Air Batteries. <i>Small</i> , 2019, 15, e1900307.	5.2	273
18	Adsorption of Water-Soluble Dye onto Functionalized Resin. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 288-293.	5.0	270

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19	Visible-Light-Driven Photocatalytic Inactivation of <i>E. coli</i> K-12 by Bismuth Vanadate Nanotubes: Bactericidal Performance and Mechanism. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4599-4606.	4.6	254
20	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.	8.2	252
21	Atypical Oxygen-Bearing Copper Boosts Ethylene Selectivity toward Electrolytic CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 11417-11427.	6.6	250
22	In Situ Fenton Reagent Generated from TiO <sub>2</sub> /Cu <sub>2</sub> O Composite Film: a New Way to Utilize TiO <sub>2</sub> under Visible Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6264-6269.	4.6	227
23	Ternary Ni <sub>2(1-x)</sub> Mo <sub>2x</sub> P nanowire arrays toward efficient and stable hydrogen evolution electrocatalysis under large-current-density. <i>Nano Energy</i> , 2018, 53, 492-500.	8.2	216
24	Recent developments in earth-abundant and non-noble electrocatalysts for water electrolysis. <i>Materials Today Physics</i> , 2018, 7, 121-138.	2.9	203
25	Enhanced Activity and Stability of Carbon-Decorated Cuprous Oxide Mesoporous Nanorods for CO <sub>2</sub> Reduction in Artificial Photosynthesis. <i>ACS Catalysis</i> , 2016, 6, 6444-6454.	5.5	201
26	Synthesis and internal electric field dependent photoreactivity of Bi <sub>3</sub> O <sub>4</sub> Cl single-crystalline nanosheets with high {001} facet exposure percentages. <i>Nanoscale</i> , 2014, 6, 167-171.	2.8	185
27	Mechanistic Study of Codoped Titania with Nonmetal and Metal Ions: A Case of C + Mo Codoped TiO <sub>2</sub> . <i>ACS Catalysis</i> , 2012, 2, 391-398.	5.5	171
28	Defective and ultrathin NiFe LDH nanosheets decorated on V-doped Ni <sub>3</sub> S <sub>2</sub> nanorod arrays: a 3D core-shell electrocatalyst for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18118-18125.	5.2	171
29	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.	5.2	169
30	N-doped Ni-Mo based sulfides for high-efficiency and stable hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119137.	10.8	150
31	Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-Driven Hydrogen Conversion. <i>Advanced Functional Materials</i> , 2015, 25, 2189-2201.	7.8	146
32	Adsorption of water-soluble dyes onto modified resin. <i>Chemosphere</i> , 2004, 54, 425-430.	4.2	142
33	Facile Synthesis of Flowerlike Cu <sub>2</sub> O Nanoarchitectures by a Solution Phase Route. <i>Crystal Growth and Design</i> , 2007, 7, 87-92.	1.4	139
34	Photocatalytic reduction of CO <sub>2</sub> to CO over copper decorated g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced yield and selectivity. <i>Applied Surface Science</i> , 2018, 427, 1165-1173.	3.1	136
35	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, 5116-5123.	4.5	128
36	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.	1.5	120

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37	Visible-light driven CO <sub>2</sub> reduction coupled with water oxidation on Cl-doped Cu <sub>2</sub> O nanorods. <i>Nano Energy</i> , 2019, 60, 576-582.	8.2	115
38	A universal synthesis strategy to make metal nitride electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19728-19732.	5.2	114
39	One-dimensional shape-controlled preparation of porous Cu <sub>2</sub> O nano-whiskers by using CTAB as a template. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4640-4647.	1.4	109
40	Octahedral Cu <sub>2</sub> O-modified TiO <sub>2</sub> nanotube arrays for efficient photocatalytic reduction of CO <sub>2</sub> . <i>Chinese Journal of Catalysis</i> , 2015, 36, 2229-2236.	6.9	105
41	Template-free synthesis of BiVO <sub>4</sub> 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.	1.3	103
42	p-Type and n-type Cu <sub>2</sub> O semiconductor thin films: Controllable preparation by simple solvothermal method and photoelectrochemical properties. <i>Electrochimica Acta</i> , 2011, 56, 2735-2739.	2.6	98
43	Ultrafast fabrication of porous transition metal foams for efficient electrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 120002.	10.8	98
44	Preparation of Fenton reagent with H <sub>2</sub> O <sub>2</sub> generated by solar light-illuminated nano-Cu <sub>2</sub> O/MWNTs composites. <i>Applied Catalysis A: General</i> , 2006, 299, 292-297.	2.2	95
45	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.	1.7	93
46	Preparation, characterization and photocatalytic properties of CdS nanoparticles dotted on the surface of carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 115709.	1.3	90
47	Copper nanoparticle interspersed MoS <sub>2</sub> nanoflowers with enhanced efficiency for CO <sub>2</sub> electrochemical reduction to fuel. <i>Dalton Transactions</i> , 2017, 46, 10569-10577.	1.6	81
48	VS <sub>4</sub> 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.	5.2	77
49	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.	6.6	75
50	Enhanced photocatalytic activity and stability of semiconductor by Ag doping and simultaneous deposition: the case of CdS. <i>RSC Advances</i> , 2013, 3, 20782.	1.7	73
51	Facile in situ fabrication of Cu <sub>2</sub> O@Cu metal-semiconductor heterostructured nanorods for efficient visible-light driven CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , 2020, 385, 123940.	6.6	71
52	Three-dimensional interconnected core-shell networks with Ni(Fe)OOH and Mn-C active species together as high-efficiency oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19045-19059.	5.2	70
53	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.	8.2	69
54	New Way for CO <sub>2</sub> Reduction under Visible Light by a Combination of a Cu Electrode and Semiconductor Thin Film: Cu <sub>2</sub> O Conduction Type and Morphology Effect. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24467-24478.	1.5	68

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55	TiO <sub>2</sub> Nanotube Arrays Grafted with MnO <sub>2</sub> Nanosheets as High-Performance Anode for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2015, 156, 252-260.	2.6	68
56	Cu <sub>2</sub> 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.	1.5	68
57	Template-free synthesis of BiVO <sub>4</sub> nanostructures: II. Relationship between various microstructures for monoclinic BiVO <sub>4</sub> and their photocatalytic activity for the degradation of rhodamine B under visible light. <i>Nanotechnology</i> , 2009, 20, 405602.	1.3	64
58	Bifunctional photocatalysis of TiO <sub>2</sub> /Cu <sub>2</sub> O composite under visible light: Ti <sup>3+</sup> in organic pollutant degradation and water splitting. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1104-1109.	1.9	64
59	Self-assembled Cu <sub>2</sub> O flowerlike architecture: Polyol synthesis, photocatalytic activity and stability under simulated solar light. <i>Materials Research Bulletin</i> , 2010, 45, 961-968.	2.7	63
60	CuBi <sub>2</sub> O <sub>4</sub> single crystal nanorods prepared by hydrothermal method: Growth mechanism and optical properties. <i>Materials Research Bulletin</i> , 2011, 46, 1443-1450.	2.7	62
61	Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO <sub>2</sub> Reduction to Hydrocarbons**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	61
62	Synergistic effect of adsorption and visible-light photocatalysis for organic pollutant removal over BiVO <sub>4</sub> /carbon sphere nanocomposites. <i>Applied Surface Science</i> , 2018, 453, 394-404.	3.1	60
63	Sonication assisted deposition of Cu <sub>2</sub> O nanoparticles on multiwall carbon nanotubes with polyol process. <i>Carbon</i> , 2005, 43, 670-673.	5.4	58
64	Synthesis of novel high-voltage cathode material LiCoPO <sub>4</sub> via rheological phase method. <i>Journal of Alloys and Compounds</i> , 2010, 502, 407-410.	2.8	58
65	Nitrogen-doped TiO <sub>2</sub> 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.	2.8	58
66	Aligned 2-D Nanosheet Cu <sub>2</sub> O Film: Oriented Deposition on Cu Foil and Its Photoelectrochemical Property. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18916-18922.	1.5	57
67	Robust and selective electrochemical reduction of CO <sub>2</sub> : the case of integrated 3D TiO <sub>2</sub> @MoS <sub>2</sub> architectures and Ti-S bonding effects. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4706-4713.	5.2	56
68	Realizing a Rechargeable High-Performance Cu-Zn Battery by Adjusting the Solubility of Cu <sup>2+</sup> . <i>Advanced Functional Materials</i> , 2019, 29, 1905979.	7.8	54
69	Coating MWNTs with Cu <sub>2</sub> O of different morphology by a polyol process. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1488-1494.	1.4	53
70	Hierarchical 3D TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanoframework arrays as high-performance anode materials. <i>Nanoscale</i> , 2014, 6, 6463-6467.	2.8	53
71	Combination study of DFT calculation and experiment for photocatalytic properties of S-doped anatase TiO <sub>2</sub> . <i>Applied Surface Science</i> , 2014, 319, 50-59.	3.1	51
72	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.	3.3	51

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73	Controllable synthesis of self-assembled Cu <sub>2</sub> 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.	2.7	50
74	Facile Synthesis of Carbon Spheres with Uniformly Dispersed MnO Nanoparticles for Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2015, 152, 44-52.	2.6	49
75	Synthesis of (CuIn) <sub>x</sub> Cd <sub>2</sub> (1-x)S <sub>2</sub> photocatalysts for H <sub>2</sub> evolution under visible light by using a low-temperature hydrothermal method. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3297-3305.	3.8	45
76	Ultraporous interweaving electrospun microfibers from PCL/PEO binary blends and their inflammatory responses. <i>Nanoscale</i> , 2014, 6, 3392.	2.8	45
77	Nitrogen-coordinated metallic cobalt disulfide self-encapsulated in graphitic carbon for electrochemical water oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118449.	10.8	44
78	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.	1.2	44
79	Electrolyzer with hierarchical transition metal sulfide and phosphide towards overall water splitting. <i>Materials Today Physics</i> , 2019, 11, 100162.	2.9	43
80	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.	5.8	43
81	Synthesis of Bi <sub>2</sub> O <sub>3</sub> /Cu <sub>2</sub> O nanoflowers by hydrothermal method and its photocatalytic activity enhancement under simulated sunlight. <i>Journal of Alloys and Compounds</i> , 2013, 560, 132-141.	2.8	42
82	Design of a unique 3D-nanostructure to make MnO <sub>2</sub> work as supercapacitor material in acid environment. <i>Chemical Engineering Journal</i> , 2017, 321, 554-563.	6.6	42
83	Nano-sized Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> 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.	2.6	41
84	Carbon-decorated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /rutile TiO <sub>2</sub> mesoporous microspheres with nanostructures as high-performance anode materials in lithium-ion batteries. <i>Nanotechnology</i> , 2014, 25, 175402.	1.3	39
85	Adsorption of Water-Soluble Dyes onto Resin NKZ. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 6898-6903.	1.8	38
86	Visible-light Energy Storage by Ti <sup>3+</sup> in TiO <sub>2</sub> /Cu <sub>2</sub> O Bilayer Film. <i>Chemistry Letters</i> , 2009, 38, 1154-1155.	0.7	38
87	Neodymium-Doped 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.	1.4	38
88	Enhanced photocatalytic activity and stability of interstitial Ga-doped CdS: Combination of experiment and calculation. <i>Catalysis Today</i> , 2014, 224, 104-113.	2.2	38
89	Cu <sub>2</sub> 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.	2.0	37
90	TiO <sub>2</sub> mesoporous microspheres with nanorod structure: facile synthesis and superior electrochemical performance. <i>Electrochimica Acta</i> , 2014, 120, 231-239.	2.6	37

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91	Design of SnO <sub>2</sub> /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.	5.2	37
92	Nickel phosphide based hydrogen producing catalyst with low overpotential and stability at high current density. <i>Electrochimica Acta</i> , 2019, 299, 756-761.	2.6	36
93	Roles of heteroatoms in electrocatalysts for alkaline water splitting: A review focusing on the reaction mechanism. <i>Chinese Journal of Catalysis</i> , 2022, 43, 2091-2110.	6.9	36
94	Reaction mechanisms for reduction of CO <sub>2</sub> to CO on monolayer MoS <sub>2</sub> . <i>Applied Surface Science</i> , 2020, 499, 143964.	3.1	35
95	Sand flower layered double hydroxides synthesized by co-precipitation for CO <sub>2</sub> capture: Morphology evolution mechanism, agitation effect and stability. <i>Materials Chemistry and Physics</i> , 2013, 140, 159-167.	2.0	34
96	TiO <sub>2</sub> 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.	1.9	34
97	N-type Cu <sub>2</sub> O Film for Photocatalytic and Photoelectrocatalytic Processes: Its stability and Inactivation of <i>E. coli</i> . <i>Electrochimica Acta</i> , 2015, 153, 583-593.	2.6	34
98	TiO <sub>2</sub> 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.	3.1	32
99	Nest-like V <sub>3</sub> O <sub>7</sub> 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.	5.2	32
100	Hierarchical porous Fe <sub>2</sub> O <sub>3</sub> assisted with graphene-like carbon as high-performance lithium battery anodes. <i>Materials Today Physics</i> , 2017, 3, 7-15.	2.9	30
101	Self-supported ultrathin bismuth nanosheets acquired by <i>in situ</i> topotactic transformation of BiOCl as a high performance aqueous anode material. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6784-6792.	5.2	29
102	Electrochemistry and electrocatalysis of myoglobin on carbon coated Fe <sub>3</sub> O <sub>4</sub> nanospindle modified carbon ionic liquid electrode. <i>RSC Advances</i> , 2012, 2, 5676.	1.7	27
103	Co-dopant influence on near-infrared luminescence properties of Zn <sub>2</sub> SnO <sub>4</sub> :Cr <sup>3+</sup> , Eu <sup>3+</sup> ceramic discs. <i>Journal of Alloys and Compounds</i> , 2016, 686, 407-412.	2.8	27
104	Design of multidimensional nanocomposite material to realize the application both in energy storage and electrocatalysis. <i>Science Bulletin</i> , 2018, 63, 152-154.	4.3	27
105	Unraveling the Role of Nitrogen-Doped Carbon Nanowires Incorporated with MnO <sub>2</sub> Nanosheets as High Performance Cathode for Zinc-Ion Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	27
106	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.	1.9	26
107	A Model to Stabilize CO <sub>2</sub> Uptake Capacity during Carbonation/Calcination Cycles and its Case of CaO/MgO. <i>Environmental Science &amp; Technology</i> , 2017, 51, 552-559.	4.6	26
108	Effect of Dye Structure on the Interaction between Organic Flocculant PAN-DCD and Dye. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 1589-1596.	1.8	25

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109	Enhanced photocatalytic activity of $\text{Bi}_2\text{O}_3$ with high electron-hole mobility by codoping approach: A first-principles study. <i>Applied Surface Science</i> , 2015, 358, 449-456.	3.1	25
110	Ultraporous nanofeatured PCL-PEO microfibrinous scaffolds enhance cell infiltration, colonization and myofibroblastic differentiation. <i>Nanoscale</i> , 2015, 7, 14989-14995.	2.8	25
111	Platinum nanoparticles supported on defective tungsten bronze-type $\text{K}_2\text{Sr}_2\text{Nb}_5\text{O}_{15}$ as a novel photocatalyst for efficient ethylene oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18998-19006.	5.2	25
112	Application of flower-like $\text{SnS}_2$ nanoparticles for direct electrochemistry of hemoglobin and its electrocatalysis. <i>Analytical Methods</i> , 2014, 6, 404-409.	1.3	23
113	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.	5.6	23
114	Electronic Structure Regulation of Nickel Phosphide for Efficient Overall Water Splitting. <i>Inorganic Chemistry</i> , 2022, 61, 9318-9327.	1.9	23
115	Carbon-Infused $\text{MoS}_2$ Supported on $\text{TiO}_2$ Nanosheet Arrays for Intensified Anodes in Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016, 212, 59-67.	2.6	21
116	$\text{H}_2\text{O}_2$ Treated CdS with Enhanced Activity and Improved Stability by a Weak Negative Bias for $\text{CO}_2$ Photoelectrocatalytic Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4325-4334.	3.2	21
117	Facile preparation of $\text{W}_5\text{O}_{14}$ nanosheet arrays with large crystal channels as high-performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2020, 330, 135209.	2.6	20
118	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.	6.9	20
119	Role of oxygen in copper-based catalysts for carbon dioxide electrochemical reduction. <i>Materials Today Physics</i> , 2021, 20, 100443.	2.9	19
120	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.	5.2	18
121	Magnetic Properties of $\text{Cu}_m\text{O}_n$ Clusters: A First Principles Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8417-8422.	1.1	17
122	Characterization and high pollutant removal ability of buoyant (C, N)- $\text{TiO}_2$ /PTFE flakes prepared by high-energy ball-milling. <i>RSC Advances</i> , 2014, 4, 40019.	1.7	17
123	Delivery of dexamethasone from electrospun PCL-PEO binary fibers and their effects on inflammation regulation. <i>RSC Advances</i> , 2015, 5, 34166-34172.	1.7	17
124	$\text{Nd}^{3+}$ ions induced rational morphology control of transition metal oxides for high energy storage performance. <i>Journal of Power Sources</i> , 2020, 472, 228599.	4.0	16
125	High spatially resolved morphological, structural and spectroscopical studies on copper oxide nanocrystals. <i>Nanotechnology</i> , 2007, 18, 075705.	1.3	15
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