

# Zhaoke Zheng

## List of Publications by Citations

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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.

140 papers	5,464 citations	36 h-index	71 g-index
151 ext. papers	6,860 ext. citations	10.4 avg, IF	6.04 L-index

#	Paper	IF	Citations
140	Facile in situ synthesis of visible-light plasmonic photocatalysts M@TiO <sub>2</sub> (M = Au, Pt, Ag) and evaluation of their photocatalytic oxidation of benzene to phenol. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9079		494
139	Synthesis of highly efficient Ag@AgCl plasmonic photocatalysts with various structures. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 538-44	4.8	366
138	Single-particle study of Pt-modified Au nanorods for plasmon-enhanced hydrogen generation in visible to near-infrared region. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6870-3	16.4	353
137	Crystal Faces of Cu <sub>2</sub> O and Their Stabilities in Photocatalytic Reactions. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14448-14453	3.8	322
136	Plasmon-enhanced formic acid dehydrogenation using anisotropic Pd-Au nanorods studied at the single-particle level. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 948-57	16.4	279
135	Hydrogenated titania: synergy of surface modification and morphology improvement for enhanced photocatalytic activity. <i>Chemical Communications</i> , <b>2012</b> , 48, 5733-5	5.8	262
134	Hierarchical TiO <sub>2</sub> microspheres: synergetic effect of {001} and {101} facets for enhanced photocatalytic activity. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 15032-8	4.8	170
133	Metallic zinc- assisted synthesis of Ti <sup>3+</sup> self-doped TiO <sub>2</sub> with tunable phase composition and visible-light photocatalytic activity. <i>Chemical Communications</i> , <b>2013</b> , 49, 868-70	5.8	143
132	Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H <sub>2</sub> O Production. <i>Advanced Materials</i> , <b>2016</b> , 28, 9949-9955	24	140
131	Highly efficient photocatalyst: TiO(2) microspheres produced from TiO(2) nanosheets with a high percentage of reactive {001} facets. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 12576-9	4.8	138
130	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Self-Oxidation or Self-Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13613-13617	16.4	112
129	Enhancing the Photocatalytic Hydrogen Evolution Activity of Mixed-Halide Perovskite CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3-x</sub> I <sub>x</sub> Achieved by Bandgap Funneling of Charge Carriers. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10349-10357	13.1	106
128	Strategic synthesis of hierarchical TiO <sub>2</sub> microspheres with enhanced photocatalytic activity. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11266-70	4.8	103
127	The synthesis of the near-spherical AgCl crystal for visible light photocatalytic applications. <i>Dalton Transactions</i> , <b>2011</b> , 40, 4104-10	4.3	99
126	CuO Nanoparticles with Both {100} and {111} Facets for Enhancing the Selectivity and Activity of CO Electroreduction to Ethylene. <i>Advanced Science</i> , <b>2020</b> , 7, 1902820	13.6	97
125	Crystal facets controlled synthesis of graphene@TiO <sub>2</sub> nanocomposites by a one-pot hydrothermal process. <i>CrystEngComm</i> , <b>2012</b> , 14, 1687-1692	3.3	92
124	Perovskite photocatalyst CsPbBr <sub>3-x</sub> I <sub>x</sub> with a bandgap funnel structure for H <sub>2</sub> evolution under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 522-527	21.8	82

123	Facile synthesis of Zn-rich (GaN) <sub>1-x</sub> (ZnO) <sub>x</sub> solid solutions using layered double hydroxides as precursors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4562		72
122	Design and synthesis of porous M-ZnO/CeO <sub>2</sub> microspheres as efficient plasmonic photocatalysts for nonpolar gaseous molecules oxidation: Insight into the role of oxygen vacancy defects and M=Ag, Au nanoparticles. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118151	21.8	71
121	High-efficient electrocatalytic overall water splitting over vanadium doped hexagonal Ni <sub>0.2</sub> Mo <sub>0.8</sub> N. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 118330	21.8	65
120	Facile synthesis of SrTiO <sub>3</sub> hollow microspheres built as assembly of nanocubes and their associated photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 358, 68-72	9.3	60
119	A pulse electrodeposited amorphous tunnel layer stabilises Cu <sub>2</sub> O for efficient photoelectrochemical water splitting under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5638-5646	13	53
118	CdS sensitized 3D hierarchical TiO <sub>2</sub> /ZnO heterostructure for efficient solar energy conversion. <i>Scientific Reports</i> , <b>2014</b> , 4, 5721	4.9	49
117	Growth of high transmittance vertical aligned ZnO nanorod arrays with polyvinyl alcohol by hydrothermal method. <i>Materials Letters</i> , <b>2009</b> , 63, 130-132	3.3	49
116	General route to ZnO nanorod arrays on conducting substrates via galvanic-cell-based approach. <i>Scientific Reports</i> , <b>2013</b> , 3, 2434	4.9	48
115	Topotactic transformation of single-crystalline TiO <sub>2</sub> nanocubes to ordered arranged 3D hierarchical TiO <sub>2</sub> nanoboxes. <i>CrystEngComm</i> , <b>2012</b> , 14, 4578	3.3	48
114	Accelerated electrocatalytic hydrogen evolution on non-noble metal containing trinickel nitride by introduction of vanadium nitride. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5513-5521	13	46
113	Selective photocatalytic conversion of alcohol to aldehydes by singlet oxygen over Bi-based metal-organic frameworks under UV-vis light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 254, 463-470	21.8	46
112	One-step synthesis of AgBr microcrystals with different morphologies by ILs-assisted hydrothermal method. <i>CrystEngComm</i> , <b>2011</b> , 13, 1789	3.3	45
111	Plasmon-Enhanced Solar Water Splitting on Metal-Semiconductor Photocatalysts. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18322-18333	4.8	43
110	Lead-Free Halide Perovskite Cs Bi Sb I (x 0.3) Possessing the Photocatalytic Activity for Hydrogen Evolution Comparable to that of (CH <sub>3</sub> NH <sub>3</sub> )PbI <sub>3</sub> . <i>Advanced Materials</i> , <b>2020</b> , 32, e2001344	24	42
109	Efficient near-infrared photocatalysts based on NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> @NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Nd <sup>3+</sup> @TiO <sub>2</sub> core@shell nanoparticles. <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 1089-1097	14.7	41
108	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Self-Oxidation or Self-Reduction. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13801-13805	3.6	39
107	Synthesis of MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> heterostructure for efficient electrocatalytic hydrogen evolution reaction through optimizing the sulfur sources selection. <i>Applied Surface Science</i> , <b>2018</b> , 459, 422-429	6.7	38
106	TiO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> as an efficient photocatalyst for selective oxidation of benzyl alcohol to benzaldehyde. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 286, 119885	21.8	38

105	Co3(hexaiminotriphenylene)2: A conductive two-dimensional $\pi$ conjugated metal-organic framework for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 278, 119295	21.8	36
104	Transformation of Cuprous Oxide into Hollow Copper Sulfide Cubes for Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14072-14081	3.8	35
103	Boosting the electrocatalytic HER performance of Ni3N-V2O3 via the interface coupling effect. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 283, 119590	21.8	35
102	Effect of the intra- and inter-triazine N-vacancies on the photocatalytic hydrogen evolution of graphitic carbon nitride. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 263-271	14.7	34
101	Fabrication of BiVO4 photoanode consisted of mesoporous nanoparticles with improved bulk charge separation efficiency. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 238, 586-591	21.8	34
100	2D/2D heterostructure of ultrathin BiVO4/Ti3C2 nanosheets for photocatalytic overall Water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 285, 119855	21.8	32
99	The synergistic effect of light irradiation and interface engineering of the Co(OH)2/MoS2 heterostructure to realize the efficient alkaline hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 618-625	6.7	31
98	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. <i>Nano Energy</i> , <b>2017</b> , 41, 233-242	17.1	28
97	Light-Promoted CO2 Conversion from Epoxides to Cyclic Carbonates at Ambient Conditions over a Bi-Based Metal-Organic Framework. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1988-1994	13.1	28
96	One-step synthesis of Co-doped 1T-MoS2 nanosheets with efficient and stable HER activity in alkaline solutions. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 244, 122642	4.4	26
95	Co3O4 nanobelt arrays assembled with ultrathin nanosheets as highly efficient and stable electrocatalysts for the chlorine evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12718-12723	13	25
94	Improving the photocatalytic hydrogen evolution of UiO-67 by incorporating Ce4+-coordinated bipyridinedicarboxylate ligands. <i>Science Bulletin</i> , <b>2019</b> , 64, 1502-1509	10.6	25
93	Harnessing the Beneficial Attributes of Ceria and Titania in a Mixed-Oxide Support for Nickel-Catalyzed Photothermal CO 2 Methanation. <i>Engineering</i> , <b>2017</b> , 3, 393-401	9.7	25
92	A water-stable triazine-based metal-organic framework as an efficient adsorbent of Pb(II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 560, 315-322	5.1	25
91	Ni3B as a highly efficient and selective catalyst for the electrosynthesis of hydrogen peroxide. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 279, 119371	21.8	24
90	Ag2ZnSnS4/Mo-mesh photoelectrode prepared by electroplating for efficient photoelectrochemical hydrogen generation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1647-1657	13	21
89	Plasmon-induced dehydrogenation of formic acid on Pd-dotted Ag@Au hexagonal nanoplates and single-particle study. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119226	21.8	21
88	Oxygen-Vacancy-Enhanced Singlet Oxygen Production for Selective Photocatalytic Oxidation. <i>ChemSusChem</i> , <b>2020</b> , 13, 3488-3494	8.3	20

87	Improving the HER activity of Ni <sub>3</sub> FeN to convert the superior OER electrocatalyst to an efficient bifunctional electrocatalyst for overall water splitting by doping with molybdenum. <i>Electrochimica Acta</i> , <b>2020</b> , 333, 135488	6.7	20
86	Ag <sup>+</sup> quantum dots obtained via in situ photodeposition method as photocatalytic CO <sub>2</sub> reduction cocatalyst: Borrowing redox conversion between Ag <sup>+</sup> and Ag <sup>0</sup> . <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 381-385	21.8	20
85	Covalently-terminated germanane GeH and GeCH <sub>3</sub> for hydrogen generation from catalytic hydrolysis of ammonia borane under visible light irradiation. <i>Catalysis Communications</i> , <b>2019</b> , 118, 46-50 <sup>3.2</sup>	3.2	20
84	Surface Fluorination Engineering of NiFe Prussian Blue Analogue Derivatives for Highly Efficient Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 5142-5152	9.5	20
83	Electrodeposition of NiFe layered double hydroxide on Ni <sub>3</sub> S <sub>2</sub> nanosheets for efficient electrocatalytic water oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8659-8666	6.7	19
82	Two transition metal phosphonate photocatalysts for H <sub>2</sub> evolution and CO reduction. <i>Chemical Communications</i> , <b>2018</b> , 54, 7195-7198	5.8	19
81	Tailoring the composition and structure of Ni <sub>3</sub> S <sub>2</sub> by introduction of Co towards high efficiency energy storage device. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126285	14.7	19
80	Bias-Free Solar Water Splitting by Tetragonal Zircon BiVO <sub>4</sub> Nanocrystal Photocathode and Monoclinic Scheelite BiVO <sub>4</sub> Nanoporous Photoanode. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008656 <sup>15.6</sup>	15.6	19
79	Two-dimensional $\pi$ conjugated metal-organic framework Fe <sub>3</sub> (hexaiminotriphenylene) <sub>2</sub> as a photo-Fenton like catalyst for highly efficient degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 290, 120029	21.8	19
78	Enhancing the Photoelectrochemical Water Oxidation Reaction of BiVO <sub>4</sub> Photoanode by Employing Carbon Spheres as Electron Reservoirs. <i>ACS Catalysis</i> , <b>2020</b> , 10, 13031-13039	13.1	18
77	Polar Molecular Modification onto BiOBr to Regulate Molecular Oxygen Activation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 15599-15605	3.8	17
76	Enhanced selectivity and activity for electrocatalytic reduction of CO <sub>2</sub> to CO on an anodized Zn/carbon/Ag electrode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16685-16689	13	17
75	Plasmon-induced spatial electron transfer between single Au nanorods and ALD-coated TiO <sub>2</sub> : dependence on TiO <sub>2</sub> thickness. <i>Chemical Communications</i> , <b>2015</b> , 51, 14373-6	5.8	16
74	Nanoplasmonic Photoluminescence Spectroscopy at Single-Particle Level: Sensing for Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2879-83	16.4	16
73	Pulsed electrodeposition of CdS on ZnO nanorods for highly sensitive photoelectrochemical sensing of copper (II) ions. <i>Sustainable Materials and Technologies</i> , <b>2018</b> , 18, e00075	5.3	15
72	Plasmon-Mediated Nitrobenzene Hydrogenation with Formate as the Hydrogen Donor Studied at a Single-Particle Level. <i>ACS Catalysis</i> , <b>2021</b> , 11, 3801-3809	13.1	15
71	An organometal halide perovskite supported Pt single-atom photocatalyst for H <sub>2</sub> evolution. <i>Energy and Environmental Science</i> ,	35.4	14
70	In-situ growth of Ti <sub>3</sub> C <sub>2</sub> @MIL-NH <sub>2</sub> composite for highly enhanced photocatalytic H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128446	14.7	14

69	Plasmon-Driven Modulation of Reaction Pathways of Individual Pt-Modified Au Nanorods. <i>Nano Letters</i> , <b>2020</b> , 20, 3326-3330	11.5	13
68	Substrate-dependent ALD of Cu <sub>x</sub> on TiO <sub>2</sub> and its performance in photocatalytic CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126654	14.7	13
67	Porous CoO nanosheets as a high-performance non-enzymatic sensor for glucose detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 7663-7670	4.4	13
66	Enhanced photocatalytic hydrogen evolution of CdWO <sub>4</sub> through polar organic molecule modification. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4754-4763	6.7	12
65	Synthesis of Synergistic Nitrogen-Doped NiMoO <sub>4</sub> /Ni <sub>3</sub> N Heterostructure for Implementation of an Efficient Alkaline Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2440-2449	6.1	12
64	Enhanced electrocatalytic HER performance of non-noble metal nickel by introduction of divanadium trioxide. <i>Electrochimica Acta</i> , <b>2019</b> , 320, 134535	6.7	12
63	Photocatalytic Selective Oxidation of HMF Coupled with H <sub>2</sub> Evolution on Flexible Ultrathin g-C <sub>3</sub> N <sub>4</sub> Nanosheets with Enhanced NH <sub>2</sub> Interaction. <i>ACS Catalysis</i> , <b>2022</b> , 12, 1919-1929	13.1	12
62	Research progress and surface/interfacial regulation methods for electrophotocatalytic hydrogen production from water splitting. <i>Materials Today Energy</i> , <b>2020</b> , 18, 100524	7	12
61	Molybdenum Nitride Electrocatalysts for Hydrogen Evolution More Efficient than Platinum/Carbon: MoN/CeO@Nickel Foam. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 29153-29161	9.5	11
60	Bi <sub>20</sub> Ti <sub>3</sub> O <sub>32</sub> Nanoparticles Doped with Yb <sup>3+</sup> and Er <sup>3+</sup> as UV, Visible, and Near-Infrared Responsive Photocatalysts. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5381-5388	5.6	11
59	ZnO nanorods modified with noble metal-free Co <sub>3</sub> O <sub>4</sub> nanoparticles as a photocatalyst for efficient ethylene degradation under light irradiation. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 6191-6198	5.5	11
58	The synergy of thermal exfoliation and phosphorus doping in g-C <sub>3</sub> N <sub>4</sub> for improved photocatalytic H <sub>2</sub> generation. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3595-3604	6.7	11
57	Enhanced photocatalytic activity towards H <sub>2</sub> evolution over NiO via phosphonic acid surface modification with different functional groups. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 16575-16581	6.7	10
56	Graphitic carbon nitride tetragonal hollow prism with enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 28780-28788	6.7	10
55	Preparation and characterisation of Ag <sub>3</sub> PO <sub>4</sub> /BiOBr composites with enhanced visible light driven photocatalytic performance. <i>Materials Technology</i> , <b>2014</b> , 29, 214-219	2.1	10
54	Enhanced photocatalytic H <sub>2</sub> production on hierarchical rutile TiO <sub>2</sub> microspheres. <i>RSC Advances</i> , <b>2013</b> , 3, 5156	3.7	10
53	ZnO nanorod decorated by Au-Ag alloy with greatly increased activity for photocatalytic ethylene oxidation. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1613-1621	11.3	9
52	A Ti <sup>3+</sup> :TiO <sub>2</sub> /TiF <sub>3</sub> hybrid with enhanced visible-light photocatalytic reactivity. <i>CrystEngComm</i> , <b>2014</b> , 16, 6538-6541	3.3	9



51	Atomically dispersed cobalt-based species anchored on polythiophene as an efficient electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2021</b> , 545, 148943	6.7	9
50	Nanoplasmonic Photoluminescence Spectroscopy at Single-Particle Level: Sensing for Ethanol Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2929-2933	3.6	9
49	Probing the Mechanism of Plasmon-Enhanced Ammonia Borane Methanolysis on a CuAg Alloy at a Single-Particle Level. <i>ACS Catalysis</i> , <b>2021</b> , 11, 10814-10823	13.1	9
48	Monomolecular VB2-doped MOFs for photocatalytic oxidation with enhanced stability, recyclability and selectivity. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26934-26943	13	8
47	Post-synthetic platinum complex modification of a triazine based metal organic frameworks for enhanced photocatalytic H2 evolution. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 271, 260-265	3.3	8
46	Effects of Ag Incorporation on the Band Structures and Conductivity Types of (Cu <sub>1-x</sub> Ag <sub>x</sub> ) <sub>2</sub> ZnSnS <sub>4</sub> Solid Solutions. <i>ChemPhotoChem</i> , <b>2018</b> , 2, 811-817	3.3	8
45	Stabilizing the titanium-based metal organic frameworks in water by metal cations with empty or partially-filled d orbitals. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 9-12	9.3	7
44	Fe <sub>2</sub> O <sub>3</sub> Film with Highly Photoactivity for Non-enzymatic Photoelectrochemical Detection of Glucose. <i>Electroanalysis</i> , <b>2019</b> , 31, 1809-1814	3	7
43	Relationship between microstructure and photocatalytic properties of nanomaterials. <i>Zeitschrift für Kristallographie</i> , <b>2010</b> , 225,		7
42	Improved photocatalytic CO <sub>2</sub> and epoxides cycloaddition via the synergistic effect of Lewis acidity and charge separation over Zn modified UiO-bpydc. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 301, 120793	21.8	7
41	Space-confined growth of lead-free halide perovskite Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> in MCM-41 molecular sieve as an efficient photocatalyst for CO <sub>2</sub> reduction at the gas-solid condition under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 310, 121375	21.8	7
40	Photostable Ag(I)-Based Metal-Organic Framework: Synthesis, Structure, and Photocatalytic Selective Oxidation Properties. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16127-16131	5.1	6
39	Synthesis of novel cubic Ni <sub>2</sub> Mo <sub>3</sub> N and its electronic structure regulation by vanadium doping towards high-efficient HER electrocatalyst. <i>Electrochimica Acta</i> , <b>2020</b> , 337, 135689	6.7	6
38	Improving pore-filling in TiO <sub>2</sub> nanorods and nanotubes scaffolds for perovskite solar cells via methylamine gas healing. <i>Solar Energy</i> , <b>2018</b> , 170, 541-548	6.8	6
37	Oxygen vacancy enhancing CO <sub>2</sub> electrochemical reduction to CO on Ce-doped ZnO catalysts. <i>Surfaces and Interfaces</i> , <b>2021</b> , 23, 100923	4.1	6
36	Strain Adjustment Realizes the Photocatalytic Overall Water Splitting on Tetragonal Zircon BiVO <sub>4</sub> . <i>Advanced Science</i> , <b>2022</b> , e2105299	13.6	6
35	Stress-induced BiVO <sub>4</sub> photoanode for enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 304, 121012	21.8	5
34	Nitrogen vacancy enhanced photocatalytic selective oxidation of benzyl alcohol in g-C <sub>3</sub> N <sub>4</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 37782-37782	6.7	5

33	ZnGeP2: A near-infrared-activated photocatalyst for hydrogen production. <i>Frontiers of Physics</i> , <b>2020</b> , 15, 1	3.7	4
32	Highly efficient electrocatalytic hydrogen evolution coupled with upcycling of microplastics in seawater enabled via Ni3N/W5N4 janus nanostructures. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 307, 121198	21.8	4
31	g-C3N4/ITO/Co-BiVO4 Z-scheme composite for solar overall water splitting. <i>Chemical Engineering Journal</i> , <b>2022</b> , 433, 134476	14.7	4
30	Enhanced singlet oxygen production over a photocatalytic stable metal organic framework composed of porphyrin and Ag. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 300-306	9.3	4
29	Promoting Electrocatalytic Reduction of CO to CH <sub>3</sub> OH Production by Inhibiting CH <sub>3</sub> OH Desorption from Cu <sub>2</sub> O/C Composite.. <i>Small</i> , <b>2021</b> , e2105212	11	4
28	Targeted Regulation of the Electronic States of Nickel Toward the Efficient Electrosynthesis of Benzonitrile and Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 56140-56150	9.5	3
27	In situ extract nucleate sites for the growth of free-standing carbon nitride films on various substrates. <i>Catalysis Today</i> , <b>2020</b> , 340, 92-96	5.3	3
26	Boron containing metal-organic framework for highly selective photocatalytic production of H <sub>2</sub> by promoting two-electron O <sub>2</sub> reduction. <i>Materials Horizons</i> , <b>2021</b> , 8, 2842-2850	14.4	3
25	Photococatalytic anticancer performance of naked Ag/AgCl nanoparticles. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131265	14.7	3
24	Plasmon-Enhanced Water Activation for Hydrogen Evolution from Ammonia-Borane Studied at a Single-Particle Level. <i>ACS Catalysis</i> , <b>2022</b> , 12, 3558-3565	13.1	3
23	Molecular delineation of small supernumerary marker chromosomes using a single nucleotide polymorphism array. <i>Molecular Cytogenetics</i> , <b>2020</b> , 13, 19	2	2
22	Photoreforming of plastic waste poly (ethylene terephthalate) via in-situ derived CN-CNTs-NiMo hybrids. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 307, 121143	21.8	2
21	Borate-modulated amorphous NiFeB nanocatalysts as highly active and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 903, 163741	5.7	2
20	Boosting hot electrons transfer via laser-induced atomic redistribution for plasmon-enhanced nitroreduction and single-particle study. <i>Journal of Catalysis</i> , <b>2022</b> ,	7.3	2
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18	Enhanced stability and activity towards photocatalytic CO <sub>2</sub> reduction via supercycle ALD of Cu and TiO <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132022	14.7	2
17	Host dependent electrocatalytic hydrogen evolution of Ni/TiO <sub>2</sub> composites. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6325-6334	13	2
16	Boosting H <sub>2</sub> Production from BiVO <sub>4</sub> Photoelectrochemical Biomass Fuel Cell by the Construction of a Bridge for Charge and Energy Transfer.. <i>Advanced Materials</i> , <b>2022</b> , e2201594	24	2



15	Molten-salt assisted synthesis of Cu clusters modified TiO <sub>2</sub> with oxygen vacancies for efficient photocatalytic reduction of CO <sub>2</sub> to CO. <i>Chemical Engineering Journal</i> , <b>2022</b> , 445, 136718	14.7	2
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13	Tuning the Conduction Band Potential of Bi-based Semiconductors Using a Combination of Organic Ligands. <i>ChemSusChem</i> , <b>2021</b> , 14, 892-897	8.3	1
12	Design and synthesis of BiVO <sub>4</sub> @CuOx as a photo assisted Fenton-like catalyst for efficient degradation of tetracycline. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101380	4.1	1
11	In situ integration of Fe <sub>3</sub> N@Co <sub>4</sub> N@CoFe alloy nanoparticles as efficient and stable electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , <b>2021</b> , 395, 139218	6.7	1
10	Synergistic effect between boron containing metal-organic frameworks and light leading to enhanced CO <sub>2</sub> cycloaddition with epoxides. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135363	14.7	1
9	miR-92 Regulates the Proliferation, Migration, Invasion and Apoptosis of Glioma Cells by Targeting Neogenin. <i>Open Medicine (Poland)</i> , <b>2020</b> , 15, 283-291	2.2	0
8	Enhanced photocatalytic driven hydroxylation of phenylboric acid to phenol over pyrenetetrasulfonic acid intercalated ZnAl-LDHs.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 610, 455-462	9.3	0
7	Strain-assisted in-situ formed oxygen defective WO <sub>3</sub> film for photothermal-synergistic reverse water gas shift reaction and single-particle study. <i>Chemical Engineering Journal</i> , <b>2022</b> , 433, 134199	14.7	0
6	Ag/AgCl as an efficient plasmonic photocatalyst for greenhouse gaseous methane oxidation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106435	6.8	0
5	Photoelectrochemical Oxidation of Amines to Imines and Production of Hydrogen through Mo-Doped BiVO Photoanode.. <i>ACS Omega</i> , <b>2022</b> , 7, 12816-12824	3.9	0
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3	Enhancing Electrocatalytic N <sub>2</sub> Conversion to NH <sub>3</sub> by MnO <sub>2</sub> Ultralong Nanowires with Oxygen Vacancies. <i>Journal of Photocatalysis</i> , <b>2021</b> , 2, 140-146	0.8	
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