

Zhaoke Zheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Photocatalytic Selective Oxidation of HMF Coupled with H ₂ Evolution on Flexible Ultrathin g-C ₃ N ₄ Nanosheets with Enhanced N π Interaction. <i>ACS Catalysis</i> , 2022 , 12, 1919-1929	13.1	12
139	Photoreforming of plastic waste poly (ethylene terephthalate) via in-situ derived CN-CNTs-NiMo hybrids. <i>Applied Catalysis B: Environmental</i> , 2022 , 307, 121143	21.8	2
138	Borate-modulated amorphous NiFeB nanocatalysts as highly active and stable electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163741	5.7	2
137	Boosting hot electrons transfer via laser-induced atomic redistribution for plasmon-enhanced nitroreduction and single-particle study. <i>Journal of Catalysis</i> , 2022 ,	7.3	2
136	Highly efficient electrocatalytic hydrogen evolution coupled with upcycling of microplastics in seawater enabled via Ni ₃ N/W ₅ N ₄ janus nanostructures. <i>Applied Catalysis B: Environmental</i> , 2022 , 307, 121198	21.8	4
135	g-C ₃ N ₄ /ITO/Co-BiVO ₄ Z-scheme composite for solar overall water splitting. <i>Chemical Engineering Journal</i> , 2022 , 433, 134476	14.7	4
134	Strain-assisted in-situ formed oxygen defective WO ₃ film for photothermal-synergistic reverse water gas shift reaction and single-particle study. <i>Chemical Engineering Journal</i> , 2022 , 433, 134199	14.7	0
133	Stress-induced BiVO ₄ photoanode for enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 121012	21.8	5
132	Improved photocatalytic CO ₂ and epoxides cycloaddition via the synergistic effect of Lewis acidity and charge separation over Zn modified UiO-bpydc. <i>Applied Catalysis B: Environmental</i> , 2022 , 301, 120793	21.8	7
131	Zero-dimensional hydrazine iodobismuthate as a lead-free perovskite-like light absorber in a self-powered photodetector. <i>Journal of Alloys and Compounds</i> , 2022 , 893, 162347	5.7	2
130	Photococatalytic anticancer performance of naked Ag/AgCl nanoparticles. <i>Chemical Engineering Journal</i> , 2022 , 428, 131265	14.7	3
129	Enhanced stability and activity towards photocatalytic CO ₂ reduction via supercycle ALD of Cu and TiO ₂ . <i>Chemical Engineering Journal</i> , 2022 , 429, 132022	14.7	2
128	Plasmon-Enhanced Water Activation for Hydrogen Evolution from Ammonia-Borane Studied at a Single-Particle Level. <i>ACS Catalysis</i> , 2022 , 12, 3558-3565	13.1	3
127	Strain Adjustment Realizes the Photocatalytic Overall Water Splitting on Tetragonal Zircon BiVO ₄ .. <i>Advanced Science</i> , 2022 , e2105299	13.6	6
126	Photoelectrochemical Oxidation of Amines to Imines and Production of Hydrogen through Mo-Doped BiVO Photoanode.. <i>ACS Omega</i> , 2022 , 7, 12816-12824	3.9	0
125	Synergistic effect between boron containing metal-organic frameworks and light leading to enhanced CO ₂ cycloaddition with epoxides. <i>Chemical Engineering Journal</i> , 2022 , 437, 135363	14.7	1
124	A biocompatible bismuth based metal-organic framework as efficient light-sensitive drug carrier.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 578-584	9.3	0

123	Space-confined growth of lead-free halide perovskite Cs ₃ Bi ₂ Br ₉ in MCM-41 molecular sieve as an efficient photocatalyst for CO ₂ reduction at the gas-solid condition under visible light. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121375	21.8	7
122	NiCoP-CeO composites for efficient electrochemical oxygen evolution.. <i>RSC Advances</i> , 2022 , 12, 13639-13644	13.6	44
121	Boosting H ₂ Production from BiVO ₄ Photoelectrochemical Biomass Fuel Cell by the Construction of a Bridge for Charge and Energy Transfer.. <i>Advanced Materials</i> , 2022 , e2201594	24	2
120	Molten-salt assisted synthesis of Cu clusters modified TiO ₂ with oxygen vacancies for efficient photocatalytic reduction of CO ₂ to CO. <i>Chemical Engineering Journal</i> , 2022 , 445, 136718	14.7	2
119	In situ observation of photo-induced shortening of single Au nanorod for plasmon-enhanced formic acid dehydrogenation 2022 , 100014		
118	Targeted Regulation of the Electronic States of Nickel Toward the Efficient Electrosynthesis of Benzonitrile and Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56140-56150	9.5	3
117	Enhanced photocatalytic driven hydroxylation of phenylboric acid to phenol over pyrenetetrasulfonic acid intercalated ZnAl-LDHs.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 455-462	9.3	0
116	Plasmon-Mediated Nitrobenzene Hydrogenation with Formate as the Hydrogen Donor Studied at a Single-Particle Level. <i>ACS Catalysis</i> , 2021 , 11, 3801-3809	13.1	15
115	Atomically dispersed cobalt-based species anchored on polythiophene as an efficient electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2021 , 545, 148943	6.7	9
114	Oxygen vacancy enhancing CO ₂ electrochemical reduction to CO on Ce-doped ZnO catalysts. <i>Surfaces and Interfaces</i> , 2021 , 23, 100923	4.1	6
113	In-situ growth of Ti ₃ C ₂ @MIL-NH ₂ composite for highly enhanced photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021 , 411, 128446	14.7	14
112	2D/2D heterostructure of ultrathin BiVO ₄ /Ti ₃ C ₂ nanosheets for photocatalytic overall Water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119855	21.8	32
111	TiO ₂ /Ti ₃ C ₂ as an efficient photocatalyst for selective oxidation of benzyl alcohol to benzaldehyde. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119885	21.8	38
110	Enhancing Electrocatalytic N ₂ Conversion to NH ₃ by MnO ₂ Ultralong Nanowires with Oxygen Vacancies. <i>Journal of Photocatalysis</i> , 2021 , 2, 140-146	0.8	
109	Substrate-dependent ALD of Cux on TiO ₂ and its performance in photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021 , 405, 126654	14.7	13
108	Tailoring the composition and structure of Ni ₃ S ₂ by introduction of Co towards high efficiency energy storage device. <i>Chemical Engineering Journal</i> , 2021 , 403, 126285	14.7	19
107	Boosting the electrocatalytic HER performance of Ni ₃ N-V ₂ O ₃ via the interface coupling effect. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119590	21.8	35
106	Bias-Free Solar Water Splitting by Tetragonal Zircon BiVO ₄ Nanocrystal Photocathode and Monoclinic Scheelite BiVO ₄ Nanoporous Photoanode. <i>Advanced Functional Materials</i> , 2021 , 31, 2008656	15.6	19

105	The synergy of thermal exfoliation and phosphorus doping in g-C ₃ N ₄ for improved photocatalytic H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 3595-3604	6.7	11
104	Tuning the Conduction Band Potential of Bi-based Semiconductors Using a Combination of Organic Ligands. <i>ChemSusChem</i> , 2021 , 14, 892-897	8.3	1
103	Boron containing metal-organic framework for highly selective photocatalytic production of HO by promoting two-electron O ₂ reduction. <i>Materials Horizons</i> , 2021 , 8, 2842-2850	14.4	3
102	Light-Promoted CO ₂ Conversion from Epoxides to Cyclic Carbonates at Ambient Conditions over a Bi-Based Metal-Organic Framework. <i>ACS Catalysis</i> , 2021 , 11, 1988-1994	13.1	28
101	Two-dimensional π conjugated metal-organic framework Fe ₃ (hexaiminotriphenylene) ₂ as a photo-Fenton like catalyst for highly efficient degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2021 , 290, 120029	21.8	19
100	Probing the Mechanism of Plasmon-Enhanced Ammonia Borane Methanolysis on a CuAg Alloy at a Single-Particle Level. <i>ACS Catalysis</i> , 2021 , 11, 10814-10823	13.1	9
99	Nitrogen vacancy enhanced photocatalytic selective oxidation of benzyl alcohol in g-C ₃ N ₄ . <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 37782-37782	6.7	5
98	Design and synthesis of BiVO ₄ @CuO _x as a photo assisted Fenton-like catalyst for efficient degradation of tetracycline. <i>Surfaces and Interfaces</i> , 2021 , 26, 101380	4.1	1
97	In situ integration of Fe ₃ N@Co ₄ N@CoFe alloy nanoparticles as efficient and stable electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2021 , 395, 139218	6.7	1
96	Enhanced singlet oxygen production over a photocatalytic stable metal organic framework composed of porphyrin and Ag. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 300-306	9.3	4
95	Ag/AgCl as an efficient plasmonic photocatalyst for greenhouse gaseous methane oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106435	6.8	0
94	Surface Fluorination Engineering of NiFe Prussian Blue Analogue Derivatives for Highly Efficient Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5142-5152	9.5	20
93	Host dependent electrocatalytic hydrogen evolution of Ni/TiO ₂ composites. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6325-6334	13	2
92	Promoting Electrocatalytic Reduction of CO to C ₂ H ₄ Production by Inhibiting C ₂ H ₄ OH Desorption from Cu ₂ O/C Composite.. <i>Small</i> , 2021 , e2105212	11	4
91	Photostable Ag(I)-Based Metal-Organic Framework: Synthesis, Structure, and Photocatalytic Selective Oxidation Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 16127-16131	5.1	6
90	Oxygen-Vacancy-Enhanced Singlet Oxygen Production for Selective Photocatalytic Oxidation. <i>ChemSusChem</i> , 2020 , 13, 3488-3494	8.3	20
89	Molybdenum Nitride Electrocatalysts for Hydrogen Evolution More Efficient than Platinum/Carbon: MoN/CeO ₂ @Nickel Foam. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29153-29161	9.5	11
88	Plasmon-induced dehydrogenation of formic acid on Pd-dotted Ag@Au hexagonal nanoplates and single-particle study. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119226	21.8	21

87	Molecular delineation of small supernumerary marker chromosomes using a single nucleotide polymorphism array. <i>Molecular Cytogenetics</i> , 2020 , 13, 19	2	2
86	Co ₃ (hexaiminotriphenylene) ₂ : A conductive two-dimensional π conjugated metal-organic framework for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119295	21.8	36
85	Synthesis of Synergistic Nitrogen-Doped NiMoO ₄ /Ni ₃ N Heterostructure for Implementation of an Efficient Alkaline Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2440-2449	6.1	12
84	A pulse electrodeposited amorphous tunnel layer stabilises Cu ₂ O for efficient photoelectrochemical water splitting under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5638-5646	13	53
83	Electrodeposition of NiFe layered double hydroxide on Ni ₃ S ₂ nanosheets for efficient electrocatalytic water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 8659-8666	6.7	19
82	One-step synthesis of Co-doped 1T-MoS ₂ nanosheets with efficient and stable HER activity in alkaline solutions. <i>Materials Chemistry and Physics</i> , 2020 , 244, 122642	4.4	26
81	Synthesis of novel cubic Ni ₂ Mo ₃ N and its electronic structure regulation by vanadium doping towards high-efficient HER electrocatalyst. <i>Electrochimica Acta</i> , 2020 , 337, 135689	6.7	6
80	CuO Nanoparticles with Both {100} and {111} Facets for Enhancing the Selectivity and Activity of CO Electroreduction to Ethylene. <i>Advanced Science</i> , 2020 , 7, 1902820	13.6	97
79	ZnO nanorod decorated by Au-Ag alloy with greatly increased activity for photocatalytic ethylene oxidation. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1613-1621	11.3	9
78	ZnGeP ₂ : A near-infrared-activated photocatalyst for hydrogen production. <i>Frontiers of Physics</i> , 2020 , 15, 1	3.7	4
77	miR-92 Regulates the Proliferation, Migration, Invasion and Apoptosis of Glioma Cells by Targeting Neogenin. <i>Open Medicine (Poland)</i> , 2020 , 15, 283-291	2.2	0
76	High-efficient electrocatalytic overall water splitting over vanadium doped hexagonal Ni _{0.2} Mo _{0.8} N. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118330	21.8	65
75	Improving the HER activity of Ni ₃ FeN to convert the superior OER electrocatalyst to an efficient bifunctional electrocatalyst for overall water splitting by doping with molybdenum. <i>Electrochimica Acta</i> , 2020 , 333, 135488	6.7	20
74	Research progress and surface/interfacial regulation methods for electrophotocatalytic hydrogen production from water splitting. <i>Materials Today Energy</i> , 2020 , 18, 100524	7	12
73	Ni ₃ B as a highly efficient and selective catalyst for the electrosynthesis of hydrogen peroxide. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119371	21.8	24
72	Enhancing the Photoelectrochemical Water Oxidation Reaction of BiVO ₄ Photoanode by Employing Carbon Spheres as Electron Reservoirs. <i>ACS Catalysis</i> , 2020 , 10, 13031-13039	13.1	18
71	Lead-Free Halide Perovskite Cs Bi Sb I (x = 0.3) Possessing the Photocatalytic Activity for Hydrogen Evolution Comparable to that of (CH ₃ NH ₃)PbI ₃ . <i>Advanced Materials</i> , 2020 , 32, e2001344	24	42
70	In situ extract nucleate sites for the growth of free-standing carbon nitride films on various substrates. <i>Catalysis Today</i> , 2020 , 340, 92-96	5.3	3

69	Design and synthesis of porous M-ZnO/CeO ₂ 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> , 2020 , 260, 118151	21.8	71
68	Plasmon-Driven Modulation of Reaction Pathways of Individual Pt-Modified Au Nanorods. <i>Nano Letters</i> , 2020 , 20, 3326-3330	11.5	13
67	Ag ₂ ZnSnS ₄ /Mo-mesh photoelectrode prepared by electroplating for efficient photoelectrochemical hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1647-1657	13	21
66	Accelerated electrocatalytic hydrogen evolution on non-noble metal containing trinickel nitride by introduction of vanadium nitride. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5513-5521	13	46
65	Enhanced photocatalytic hydrogen evolution of CdWO ₄ through polar organic molecule modification. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 4754-4763	6.7	12
64	Polar Molecular Modification onto BiOBr to Regulate Molecular Oxygen Activation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15599-15605	3.8	17
63	Enhanced photocatalytic activity towards H ₂ evolution over NiO via phosphonic acid surface modification with different functional groups. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16575-16581 ¹⁰	6.7	10
62	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> , 2019 , 254, 463-470	21.8	46
61	Effect of the intra- and inter-triazine N-vacancies on the photocatalytic hydrogen evolution of graphitic carbon nitride. <i>Chemical Engineering Journal</i> , 2019 , 369, 263-271	14.7	34
60	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> , 2019 , 533, 9-12	9.3	7
59	Bi ₂₀ TiO ₃₂ Nanoparticles Doped with Yb ³⁺ and Er ³⁺ as UV, Visible, and Near-Infrared Responsive Photocatalysts. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5381-5388	5.6	11
58	Improving the photocatalytic hydrogen evolution of UiO-67 by incorporating Ce ⁴⁺ -coordinated bipyridinedicarboxylate ligands. <i>Science Bulletin</i> , 2019 , 64, 1502-1509	10.6	25
57	Enhanced electrocatalytic HER performance of non-noble metal nickel by introduction of divanadium trioxide. <i>Electrochimica Acta</i> , 2019 , 320, 134535	6.7	12
56	Enhanced selectivity and activity for electrocatalytic reduction of CO ₂ to CO on an anodized Zn/carbon/Ag electrode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16685-16689	13	17
55	Fe ₂ O ₃ Film with Highly Photoactivity for Non-enzymatic Photoelectrochemical Detection of Glucose. <i>Electroanalysis</i> , 2019 , 31, 1809-1814	3	7
54	Graphitic carbon nitride tetragonal hollow prism with enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28780-28788	6.7	10
53	ZnO nanorods modified with noble metal-free Co ₃ O ₄ nanoparticles as a photocatalyst for efficient ethylene degradation under light irradiation. <i>Catalysis Science and Technology</i> , 2019 , 9, 6191-6198	5.5	11
52	Monomolecular VB ₂ -doped MOFs for photocatalytic oxidation with enhanced stability, recyclability and selectivity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26934-26943	13	8

51	Efficient near-infrared photocatalysts based on NaYF ₄ :Yb ³⁺ ,Tm ³⁺ @NaYF ₄ :Yb ³⁺ ,Nd ³⁺ @TiO ₂ core@shell nanoparticles. <i>Chemical Engineering Journal</i> , 2019 , 361, 1089-1097	14.7	41
50	The synergistic effect of light irradiation and interface engineering of the Co(OH) ₂ /MoS ₂ heterostructure to realize the efficient alkaline hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 299, 618-625	6.7	31
49	Post-synthetic platinum complex modification of a triazine based metal organic frameworks for enhanced photocatalytic H ₂ evolution. <i>Journal of Solid State Chemistry</i> , 2019 , 271, 260-265	3.3	8
48	Perovskite photocatalyst CsPbBr ₃ -xI _x with a bandgap funnel structure for H ₂ evolution under visible light. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 522-527	21.8	82
47	Ag ⁺ quantum dots obtained via in situ photodeposition method as photocatalytic CO ₂ reduction cocatalyst: Borrowing redox conversion between Ag ⁺ and Ag ⁰ . <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 381-385	21.8	20
46	Covalently-terminated germanane GeH and GeCH ₃ for hydrogen generation from catalytic hydrolysis of ammonia borane under visible light irradiation. <i>Catalysis Communications</i> , 2019 , 118, 46-50	3.2	20
45	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> , 2019 , 560, 315-322	5.1	25
44	Transformation of Cuprous Oxide into Hollow Copper Sulfide Cubes for Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14072-14081	3.8	35
43	Synthesis of MoS ₂ /Ni ₃ S ₂ heterostructure for efficient electrocatalytic hydrogen evolution reaction through optimizing the sulfur sources selection. <i>Applied Surface Science</i> , 2018 , 459, 422-429	6.7	38
42	Fabrication of BiVO ₄ photoanode consisted of mesoporous nanoparticles with improved bulk charge separation efficiency. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 586-591	21.8	34
41	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Self-Oxidation or Self-Reduction. <i>Angewandte Chemie</i> , 2018 , 130, 13801-13805	3.6	39
40	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Self-Oxidation or Self-Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13613-13617	16.4	112
39	Pulsed electrodeposition of CdS on ZnO nanorods for highly sensitive photoelectrochemical sensing of copper (II) ions. <i>Sustainable Materials and Technologies</i> , 2018 , 18, e00075	5.3	15
38	Co ₃ O ₄ nanobelt arrays assembled with ultrathin nanosheets as highly efficient and stable electrocatalysts for the chlorine evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12718-12723	13	25
37	Improving pore-filling in TiO ₂ nanorods and nanotubes scaffolds for perovskite solar cells via methylamine gas healing. <i>Solar Energy</i> , 2018 , 170, 541-548	6.8	6
36	Two transition metal phosphonate photocatalysts for H ₂ evolution and CO reduction. <i>Chemical Communications</i> , 2018 , 54, 7195-7198	5.8	19
35	Enhancing the Photocatalytic Hydrogen Evolution Activity of Mixed-Halide Perovskite CH ₃ NH ₃ PbBr ₃ -xI _x Achieved by Bandgap Funneling of Charge Carriers. <i>ACS Catalysis</i> , 2018 , 8, 10349-10357	13.1	106
34	Porous CoO nanosheets as a high-performance non-enzymatic sensor for glucose detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7663-7670	4.4	13

33	Plasmon-Enhanced Solar Water Splitting on Metal-Semiconductor Photocatalysts. <i>Chemistry - A European Journal</i> , 2018 , 24, 18322-18333	4.8	43
32	Effects of Ag Incorporation on the Band Structures and Conductivity Types of (Cu _{1-x} Ag _x) ₂ ZnSnS ₄ Solid Solutions. <i>ChemPhotoChem</i> , 2018 , 2, 811-817	3.3	8
31	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. <i>Nano Energy</i> , 2017 , 41, 233-242	17.1	28
30	Harnessing the Beneficial Attributes of Ceria and Titania in a Mixed-Oxide Support for Nickel-Catalyzed Photothermal CO ₂ Methanation. <i>Engineering</i> , 2017 , 3, 393-401	9.7	25
29	Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H ₂ O Production. <i>Advanced Materials</i> , 2016 , 28, 9949-9955	24	140
28	Nanoplasmonic Photoluminescence Spectroscopy at Single-Particle Level: Sensing for Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2879-83	16.4	16
27	Nanoplasmonic Photoluminescence Spectroscopy at Single-Particle Level: Sensing for Ethanol Oxidation. <i>Angewandte Chemie</i> , 2016 , 128, 2929-2933	3.6	9
26	Nanorods: Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H ₂ O ₂ Production (Adv. Mater. 45/2016). <i>Advanced Materials</i> , 2016 , 28, 9872-9872	24	1
25	Plasmon-induced spatial electron transfer between single Au nanorods and ALD-coated TiO ₂ : dependence on TiO ₂ thickness. <i>Chemical Communications</i> , 2015 , 51, 14373-6	5.8	16
24	Plasmon-enhanced formic acid dehydrogenation using anisotropic Pd-Au nanorods studied at the single-particle level. <i>Journal of the American Chemical Society</i> , 2015 , 137, 948-57	16.4	279
23	CdS sensitized 3D hierarchical TiO ₂ /ZnO heterostructure for efficient solar energy conversion. <i>Scientific Reports</i> , 2014 , 4, 5721	4.9	49
22	A Ti ³⁺ :TiO ₂ /TiF ₃ hybrid with enhanced visible-light photocatalytic reactivity. <i>CrystEngComm</i> , 2014 , 16, 6538-6541	3.3	9
21	Preparation and characterisation of Ag ₃ PO ₄ /BiOBr composites with enhanced visible light driven photocatalytic performance. <i>Materials Technology</i> , 2014 , 29, 214-219	2.1	10
20	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> , 2014 , 136, 6870-3	16.4	353
19	General route to ZnO nanorod arrays on conducting substrates via galvanic-cell-based approach. <i>Scientific Reports</i> , 2013 , 3, 2434	4.9	48
18	Metallic zinc- assisted synthesis of Ti ³⁺ self-doped TiO ₂ with tunable phase composition and visible-light photocatalytic activity. <i>Chemical Communications</i> , 2013 , 49, 868-70	5.8	143
17	Enhanced photocatalytic H ₂ production on hierarchical rutile TiO ₂ microspheres. <i>RSC Advances</i> , 2013 , 3, 5156	3.7	10
16	Crystal facets controlled synthesis of graphene@TiO ₂ nanocomposites by a one-pot hydrothermal process. <i>CrystEngComm</i> , 2012 , 14, 1687-1692	3.3	92

15	Topotactic transformation of single-crystalline TiOF ₂ nanocubes to ordered arranged 3D hierarchical TiO ₂ nanoboxes. <i>CrystEngComm</i> , 2012 , 14, 4578	3.3	48
14	Hydrogenated titania: synergy of surface modification and morphology improvement for enhanced photocatalytic activity. <i>Chemical Communications</i> , 2012 , 48, 5733-5	5.8	262
13	Facile in situ synthesis of visible-light plasmonic photocatalysts M@TiO ₂ (M = Au, Pt, Ag) and evaluation of their photocatalytic oxidation of benzene to phenol. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9079		494
12	Hierarchical TiO ₂ microspheres: synergetic effect of {001} and {101} facets for enhanced photocatalytic activity. <i>Chemistry - A European Journal</i> , 2011 , 17, 15032-8	4.8	170
11	One-step synthesis of AgBr microcrystals with different morphologies by ILs-assisted hydrothermal method. <i>CrystEngComm</i> , 2011 , 13, 1789	3.3	45
10	Facile synthesis of Zn-rich (GaN) _{1-x} (ZnO) _x solid solutions using layered double hydroxides as precursors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4562		72
9	The synthesis of the near-spherical AgCl crystal for visible light photocatalytic applications. <i>Dalton Transactions</i> , 2011 , 40, 4104-10	4.3	99
8	Facile synthesis of SrTiO ₃ hollow microspheres built as assembly of nanocubes and their associated photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 68-72	9.3	60
7	Relationship between microstructure and photocatalytic properties of nanomaterials. <i>Zeitschrift für Kristallographie</i> , 2010 , 225,		7
6	Synthesis of highly efficient Ag@AgCl plasmonic photocatalysts with various structures. <i>Chemistry - A European Journal</i> , 2010 , 16, 538-44	4.8	366
5	Strategic synthesis of hierarchical TiO ₂ microspheres with enhanced photocatalytic activity. <i>Chemistry - A European Journal</i> , 2010 , 16, 11266-70	4.8	103
4	Growth of high transmittance vertical aligned ZnO nanorod arrays with polyvinyl alcohol by hydrothermal method. <i>Materials Letters</i> , 2009 , 63, 130-132	3.3	49
3	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> , 2009 , 15, 12576-9	4.8	138
2	Crystal Faces of Cu ₂ O and Their Stabilities in Photocatalytic Reactions. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14448-14453	3.8	322
1	An organometal halide perovskite supported Pt single-atom photocatalyst for H ₂ evolution. <i>Energy and Environmental Science</i> ,	35.4	14