Zhifeng Liu

List of Publications by Year
in descending order

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148 papers	6,500 citations	50276 46 h-index	76900 74 g-index
148 all docs	148 docs citations	148 times ranked	5085 citing authors

#	Article	IF	Citations
1	The collaborative mechanism of surface S-vacancies and piezoelectric polarization for boosting CdS photoelectrochemical performance. Chemical Engineering Journal, 2022, 433, 133226.	12.7	67
2	Pyro-photo-electric catalysis in Bi2WO6 nanostructures for efficient degradation of dyes under thermal-assisted visible light irradiation. Journal of Alloys and Compounds, 2022, 892, 162203.	5.5	17
3	The p-n heterojunction of BiVO4/Cu2O was decorated by plasma Ag NPs for efficient photoelectrochemical degradation of Rhodamine B. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127834.	4.7	19
4	Bioinspired modification strategy to improve thermal conductivity and dielectric constant of natural rubber composite for thermal management applications. Journal of Applied Polymer Science, 2022, 139, 51949.	2.6	2
5	Simultaneous Modulation of Interface Reinforcement, Crystallization, Antiâ€Reflection, and Carrier Transport in Sb Gradientâ€Doped SnO₂/Sb₂S₃ Heterostructure for Efficient Photoelectrochemical Cell. Small, 2022, 18, e2105026.	10.0	18
6	Copper phosphide decorated g-C3N4 catalysts for highly efficient photocatalytic H2 evolution. Journal of Colloid and Interface Science, 2022, 610, 126-135.	9.4	37
7	The synergistic effect of CuBi₂O₄ and Co-Pi: improving the PEC activity of BiVO₄-based composite materials. New Journal of Chemistry, 2022, 46, 2971-2979.	2.8	6
8	The synergistic effect of surface and bulk O vacancies in a WO₃ photoanode to advance carrier separation and light harvesting for photoelectrochemical water splitting. Dalton Transactions, 2022, 51, 6454-6463.	3.3	5
9	Doping regulating spontaneous polarization and pyroelectric effects to synergistically promote the water splitting efficiency of niobate (KxNa1-xNbO3) pyro-photo-electrical coupling system. Applied Surface Science, 2022, 592, 153255.	6.1	9
10	Controlling Superhydrophobicity of Aluminum with Hierarchical Microâ€Nanostructure Film for Superb Selfâ€Cleaning and Antiâ€Corrosion. ChemistrySelect, 2022, 7, .	1.5	5
11	Enhanced electromechanical properties of natural rubber using mussel-inspired modification of calcium titanate particles with supercapacitive property. Polymers and Polymer Composites, 2022, 30, 096739112210766.	1.9	0
12	Highly Sensitive Band Alignment of the Graphene/MoSi₂N₄ Heterojunction via an External Electric Field. ACS Applied Electronic Materials, 2022, 4, 2897-2905.	4.3	25
13	FeOOH interlayer with storing holes applied to construct WO3/FeOOH/Cu2O ternary heterojunction photoanode with dual built-in electric filed for efficient PEC cell. Journal of Alloys and Compounds, 2022, 917, 165496.	5.5	6
14	Hyperbranched NixPy/NiCoP Arrays Based on Nickel Foam Electrode for Efficient and Stable Electrocatalytic Hydrogen Evolution. Electrocatalysis, 2022, 13, 611-621.	3.0	5
15	Non-noble plasmonic MoO2 as photosensitizer of 1D TiO2 nanorods for enhancing visible-light photoelectrochemical performance. Surfaces and Interfaces, 2022, 31, 102082.	3.0	4
16	Decorating <scp> Cu ₂ O </scp> photocathode with cu/Al bimetallic layer for enhanced photoelectrochemical water splitting. International Journal of Energy Research, 2022, 46, 16991-17002.	4.5	3
17	Doping Sr and Introducing Oxygen Vacancies in Ba_{0.7}Sr_{0.3}TiO_{3â€X} Synergistically Promote the Pyroâ€Photoâ€Electric Catalysis Performance. ChemCatChem, 2022, 14, .	3.7	3
18	Defective ultra-thin two-dimensional g-C3N4 photocatalyst for enhanced photocatalytic H2 evolution activity. Journal of Colloid and Interface Science, 2021, 581, 159-166.	9.4	125

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19	Promising pyro-photo-electric catalysis in NaNbO3 via integrating solar and cold-hot alternation energy in pyroelectric-assisted photoelectrochemical system. Nano Energy, 2021, 79, 105485.	16.0	86
20	Novel strategy for efficient water splitting through pyro-electric and pyro-photo-electric catalysis of BaTiO3 by using thermal resource and solar energy. Applied Catalysis B: Environmental, 2021, 284, 119686.	20.2	81
21	The synergistic effect with S-vacancies and built-in electric field on a TiO₂/MoS₂ photoanode for enhanced photoelectrochemical performance. Sustainable Energy and Fuels, 2021, 5, 509-517.	4.9	57
22	Multifunctional WO₃/NiCo₂O₄ heterojunction with extensively exposed bimetallic Ni/Co redox reaction sites for efficient photoelectrochemical water splitting. ChemCatChem, 2021, 13, 271-280.	3.7	21
23	A promising ternary sulfide bidirectional pâ€“n heterojunction for unassisted tandem photoelectrochemical cells. Chemical Communications, 2021, 57, 4910-4913.	4.1	13
24	An Unassisted Tandem Photoelectrochemical Cell Based on p- and n-Cu2O Photoelectrodes. Catalysis Letters, 2021, 151, 1976-1983.	2.6	12
25	NiOâ€“CoFe2O4 electrocatalyst prepared on Ni foam by one-step hydrothermal method for efficient overall water splitting. Journal of Materials Science, 2021, 56, 8575-8587.	3.7	7
26	A ZnO@CuO coreâ€“shell heterojunction photoanode modified with ZnFe-LDH for efficient and stable photoelectrochemical performance. Dalton Transactions, 2021, 50, 4593-4603.	3.3	17
27	The synergistic role of the photosensitivity effect and extended space charge region in an inorganicâ€“organic WO₃/PANI photoanode for efficient PEC water splitting. Sustainable Energy and Fuels, 2021, 5, 2893-2906.	4.9	12
28	Synthesis and control strategies of nanomaterials for photoelectrochemical water splitting. Dalton Transactions, 2021, 50, 1983-1989.	3.3	49
29	Optimized the Carrier Transport Path and Separation Efficiency of 2D/2D Heterojunction in Photoelectrochemical Water Splitting. ChemCatChem, 2021, 13, 1940-1950.	3.7	8
30	Promising CoFe-NiOOH Ternary Polymetallic Cocatalyst for BiVO₄-Based Photoanodes in Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2021, 4, 3842-3850.	5.1	31
31	Construction homojunction and co-catalyst in ZnIn2S4 photoelectrode by Co ion doping for efficient photoelectrochemical water splitting. Journal of Alloys and Compounds, 2021, 867, 159028.	5.5	22
32	Synergistic Use of a Solid Solution and a Cocatalyst on Co_xCd_{1â€“x}S/Ni_yFe_{1â€“y}-LDH for Efficient and Stable Photoelectrochemical Performance. ACS Applied Energy Materials, 2021, 4, 7233-7241.	5.1	6
33	Piezoelectric polarization assisted WO3/CdS photoanode improved carrier separation efficiency via CdS phase regulation. International Journal of Hydrogen Energy, 2021, 46, 36113-36123.	7.1	50
34	Thermal Excitation Polarized Field Drives Photoelectric Catalysis for Dye Degradation in a BaTiO₃/CdS Heterojunction through Integration of Solar and Thermal Energy. ChemPhotoChem, 2021, 5, 1106-1118.	3.0	10
35	Optimization and Modulation Strategies of Zinc Oxide-based Photoanodes for Highly Efficient Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2021, 4, 1004-1013.	5.1	38
36	Preparation and Photocatalysis of CuO/Bentonite Based on Adsorption and Photocatalytic Activity. Materials, 2021, 14, 5803.	2.9	4

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37	Cu2O/CuO heterojunction formed by thermal oxidation and decorated with Pt co-catalyst as an efficient photocathode for photoelectrochemical water splitting. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	22
38	FeOOH as hole transfer layer to retard the photocorrosion of Cu2O for enhanced photoelctrochemical performance. Applied Catalysis B: Environmental, 2020, 260, 118213.	20.2	82
39	Decorating Cu2O photocathode with noble-metal-free Al and NiS cocatalysts for efficient photoelectrochemical water splitting by light harvesting management and charge separation design. Chemical Engineering Journal, 2020, 381, 122655.	12.7	100
40	Enhanced piezoelectric-effect-assisted photoelectrochemical performance in ZnO modified with dual cocatalysts. Applied Catalysis B: Environmental, 2020, 262, 118279.	20.2	147
41	Ga-Doped AgInS2 Modified with Coâ€“Pi Coâ€“catalyst for Efficient Photoelectrochemical Water Splitting. Catalysis Letters, 2020, 150, 1089-1097.	2.6	5
42	Enhanced PEC performance of hematite photoanode coupled with bimetallic oxyhydroxide NiFeOOH through a simple electroless method. Applied Catalysis B: Environmental, 2020, 265, 118580.	20.2	162
43	Co-Modification with Cost-Effective Nickel Oxides and Nickel Sulfides on CuInS₂ Nanosheets Photocathode for Enhanced Photoelectrochemical Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 512-519.	6.7	35
44	Construction and photoelectrocatalytic performance of TiO2/BiVO4 heterojunction modified with cobalt phosphate. Journal of Alloys and Compounds, 2020, 821, 153225.	5.5	23
45	Zinc ferrite-based pâ€“n homojunction with multi-effect for efficient photoelectrochemical water splitting. Chemical Communications, 2020, 56, 13205-13208.	4.1	24
46	First-Principles Calculations of Graphene-Coated CH₃NH₃PbI₃ toward Stable Perovskite Solar Cells in Humid Environments. ACS Applied Nano Materials, 2020, 3, 7704-7712.	5.0	11
47	An efficient hole transfer pathway on hematite integrated by ultrathin Al2O3 interlayer and novel CuCoOx cocatalyst for efficient photoelectrochemical water oxidation. Applied Catalysis B: Environmental, 2020, 277, 119197.	20.2	131
48	Enhanced photoelectrochemical performance of 2D core-shell WO3/CuWO4 uniform heterojunction via in situ synthesis and modification of Co-Pi co-catalyst. International Journal of Hydrogen Energy, 2020, 45, 16550-16559.	7.1	50
49	Decorating non-noble metal plasmonic Al on a TiO2/Cu2O photoanode to boost performance in photoelectrochemical water splitting. Chinese Journal of Catalysis, 2020, 41, 1884-1893.	14.0	79
50	Hexagonal phase/cubic phase homogeneous ZnIn2S4 n-n junction photoanode for efficient photoelectrochemical water splitting. Journal of Alloys and Compounds, 2020, 830, 154639.	5.5	45
51	An effective strategy of constructing a multi-junction structure by integrating a heterojunction and a homojunction to promote the charge separation and transfer efficiency of WO₃. Journal of Materials Chemistry A, 2020, 8, 6256-6267.	10.3	134
52	A promising p-type Coâ€“ZnFe₂O₄ nanorod film as a photocathode for photoelectrochemical water splitting. Chemical Communications, 2020, 56, 5279-5282.	4.1	20
53	CoNiO₂ as a novel water oxidation cocatalyst to enhance PEC water splitting performance of BiVO₄. Chemical Communications, 2020, 56, 9158-9161.	4.1	46
54	2D tremella-like Co6Al2CO3(OH)16â€¢4H2O in-situ growing on 1D rod-shape ZnFe2O4 to accelerate the surface reaction kinetics for photoelectrochemical water splitting. Journal of Alloys and Compounds, 2020, 823, 153714.	5.5	12

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55	Co/Cu-modified NiO film grown on nickel foam as a highly active and stable electrocatalyst for overall water splitting. Dalton Transactions, 2020, 49, 1776-1784.	3.3	20
56	Enhancement in the charge transport and photocorrosion stability of CuO photocathode: The synergistic effect of spatially separated dual-cocatalysts and p-n heterojunction. Chemical Engineering Journal, 2020, 394, 124907.	12.7	58
57	Enhancing the PEC water splitting performance of BiVO4 co-modifying with NiFeOOH and Co-Pi double layer cocatalysts. Applied Surface Science, 2020, 515, 146095.	6.1	165
58	Oxygen vacancies engineering in TiO2 homojunction/ZnFe-LDH for enhanced photoelectrochemical water oxidation. Chemical Engineering Journal, 2020, 395, 125101.	12.7	173
59	Synthesis and Self-Cleaning Property of TiO2 Thin Film Doping with Fe3+, Al3+, Ce3+ Ions. Journal of Nanoscience and Nanotechnology, 2020, 20, 4084-4091.	0.9	6
60	Exposing the photocorrosion mechanism and control strategies of a CuO photocathode. Inorganic Chemistry Frontiers, 2019, 6, 2488-2499.	6.0	59
61	2D elongated polyhedral-like YVO₄ films: a novel photoanode for photoelectrochemical water splitting. Chemical Communications, 2019, 55, 10468-10471.	4.1	10
62	1D WO 3 Nanorods/2D WO 3â˜ x Nanoflakes Homojunction Structure for Enhanced Charge Separation and Transfer towards Efficient Photoelectrochemical Performance. ChemSusChem, 2019, 12, 5282-5290.	6.8	47
63	ZnO/In2S3/Coâ€“Pi ternary composite photoanodes for enhanced photoelectrochemical properties. Journal of Materials Science: Materials in Electronics, 2019, 30, 18943-18949.	2.2	6
64	Cobalt-phosphate modified Fe-Zn0.2Cd0.8S/CuSbS2 heterojunction photoanode with multiple synergistic effect for enhancing photoelectrochemical water splitting. Applied Surface Science, 2019, 476, 716-723.	6.1	19
65	1D ZnFe2O4 nanorods coupled with plasmonic Ag, Ag2S nanoparticles and Co-Pi cocatalysts for efficient photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2019, 44, 19841-19854.	7.1	21
66	3D Branched Caâ€Fe₂O₃/Fe₂O₃ Decorated with Pt and Coâ€Pi: Improved Chargeâ€Separation Dynamics and Photoelectrochemical Performance. ChemSusChem, 2019, 12, 3286-3295.	6.8	71
67	Synergistic enhancement of charge management and surface reaction kinetics by spatially separated cocatalysts and p-n heterojunctions in Pt/CuWO4/Co3O4 photoanode. Chemical Engineering Journal, 2019, 374, 554-563.	12.7	82
68	Plasmonic Ag nanoparticles and p-type CuO-modified ZnO nanorods for efficient photoelectrochemical water splitting. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	9
69	CuInS2/Sb2S3 heterostructure modified with noble metal co-catalyst for efficient photoelectrochemical water splitting. Journal of Alloys and Compounds, 2019, 795, 319-326.	5.5	69
70	Accelerating the charge separation of ZnFe2O4 nanorods by Cu-Sn ions gradient doping for efficient photoelectrochemical water splitting. Journal of Colloid and Interface Science, 2019, 552, 111-121.	9.4	41
71	0D CoP cocatalyst/ 2D gâ€C₃N₄ nanosheets: An efficient photocatalyst for promoting photocatalytic hydrogen evolution. Journal of the American Ceramic Society, 2019, 102, 5484-5493.	3.8	51
72	Improved photoelectrochemical response of CuWO4/BiOI p-n heterojunction embedded with plasmonic Ag nanoparticles. Chemical Engineering Journal, 2019, 370, 218-227.	12.7	72

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73	1D/0D WO3/CdS heterojunction photoanodes modified with dual co-catalysts for efficient photoelectrochemical water splitting. Journal of Alloys and Compounds, 2019, 790, 493-501.	5.5	115
74	Photoelectrochemical performance of W-doped BiVO4 photoanode. Journal of Materials Science: Materials in Electronics, 2019, 30, 21425-21434.	2.2	11
75	A high-efficiency and stable cupric oxide photocathode coupled with Al surface plasmon resonance and Al₂O₃ self-passivation. Chemical Communications, 2019, 55, 15093-15096.	4.1	20
76	Hybrid 0D/2D edamame shaped ZnIn2S4 photoanode modified by Co-Pi and Pt for charge management towards efficient photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2019, 244, 188-196.	20.2	102
77	Zn1â^'xCdxS nanowall photoanode prepared via seed layer epitaxial growth method and modified by dual co-catalyst for photoelectrochemical water splitting. Applied Surface Science, 2019, 467-468, 65-74.	6.1	18
78	The effect of SiO2 on TiO2-SiO2 composite film for self-cleaning application. Surfaces and Interfaces, 2019, 16, 194-198.	3.0	34
79	Fabrication and photoelectrochemical properties of a promising flaky-structured NaInS2 photoelectrode. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 627-632.	3.9	9
80	Effect on the Photocatalytic Activity of TiO2NTs Under Visible Light of Synergistic Effect of Ti3+ and S. Nano, 2018, 13, 1830001.	1.0	2
81	Promising Three-Dimensional Flowerlike CuWO₄ Photoanode Modified with CdS and FeOOH for Efficient Photoelectrochemical Water Splitting. Industrial & Engineering Chemistry Research, 2018, 57, 6210-6217.	3.7	42
82	Enhanced photoelectrochemical water splitting performance of Î±-Fe2O3 nanostructures modified with Sb2S3 and cobalt phosphate. Journal of Alloys and Compounds, 2018, 742, 918-927.	5.5	101
83	Flake-like NiO/WO3 p-n heterojunction photocathode for photoelectrochemical water splitting. Applied Surface Science, 2018, 440, 1101-1106.	6.1	55
84	Enhanced Photoelectrochemical Water Splitting of Photoelectrode Simultaneous Decorated with Cocatalysts Based on Spatial Charge Separation and Transfer. ACS Sustainable Chemistry and Engineering, 2018, 6, 3565-3574.	6.7	80
85	Controllable synthesis and formation mechanism of 3D flower-like TiO2 microspheres. Journal of Materials Science: Materials in Electronics, 2018, 29, 10277-10283.	2.2	6
86	Cooperation effect of heterojunction and co-catalyst in BiVO₄/Bi₂S₃/NiOOH photoanode for improving photoelectrochemical performances. New Journal of Chemistry, 2018, 42, 19415-19422.	2.8	24
87	Preparation of Assembled Carbon Soot Films and Hydrophobic Properties. Materials, 2018, 11, 2318.	2.9	8
88	Efficient photoelectrochemical performances of the novel honeycomb network-like CuBi2O4 films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
89	Enhancing light harvesting and charge separation of Cu₂O photocathodes with spatially separated noble-metal cocatalysts towards highly efficient water splitting. Journal of Materials Chemistry A, 2018, 6, 20393-20401.	10.3	141
90	Network-like CuInS2 photocathode and modified with noble metal co-catalyst for photoelectrochemical water splitting. Journal of Materials Science: Materials in Electronics, 2018, 29, 20629-20638.	2.2	4

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91	ZnO photoelectrode simultaneously modified with Cu₂O and Co-Pi based on broader light absorption and efficiently photogenerated carrier separation. Inorganic Chemistry Frontiers, 2018, 5, 2571-2578.	6.0	43
92	Hydrothermal synthesis of a rutile/anatase TiO2mixed crystal from potassium titanyl oxalate: crystal structure and formation mechanism. CrystEngComm, 2018, 20, 3363-3369.	2.6	16
93	A ZnO/ZnFe₂O₄ uniform coreâ€“shell heterojunction with a tubular structure modified by NiOOH for efficient photoelectrochemical water splitting. Dalton Transactions, 2018, 47, 12181-12187.	3.3	115
94	Multifarious function layers photoanode based on g-C 3 N 4 for photoelectrochemical water splitting. Chinese Journal of Catalysis, 2018, 39, 1527-1533.	14.0	30
95	Dualâ€Axial Gradient Doping (Zr and Sn) on Hematite for Promoting Charge Separation in Photoelectrochemical Water Splitting. ChemSusChem, 2018, 11, 3438-3448.	6.8	122
96	Efficient Indium Sulfide Photoelectrode with Crystal Phase and Morphology Control for High-Performance Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 12328-12336.	6.7	34
97	Efficient photoelectrochemical water splitting of CaBi6O10 decorated with Cu2O and NiOOH for improved photogenerated carriers. International Journal of Hydrogen Energy, 2018, 43, 13276-13283.	7.1	51
98	Photoelectrochemical Water Splitting of CuInS₂ Photocathode Collaborative Modified with Separated Catalysts Based on Efficient Photogenerated Electronâ€“Hole Separation. ACS Sustainable Chemistry and Engineering, 2018, 6, 10289-10294.	6.7	60
99	TiO2 hierarchical porous films sensitized by Sb2S3 nanoparticles for enhanced photoelectrochemical properties. Journal of Sol-Gel Science and Technology, 2017, 82, 157-166.	2.4	5
100	ZnO Hemisphere Pits Nanowire/CdS Photoelectrode for High-Efficiency Photoelectrochemical Water Splitting. Journal of Electronic Materials, 2017, 46, 1532-1538.	2.2	9
101	Fabrication of Cu2O/TiO2 nanotube arrays with enhanced visible-light photoelectrocatalytic activity. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	24
102	Novel framework g-C 3 N 4 film as efficient photoanode for photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2017, 209, 657-662.	20.2	76
103	CaBi₆O₁₀: a novel promising photoanode for photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2017, 5, 8545-8554.	10.3	22
104	Promising cobalt oxide and cobalt oxide/silver photocathodes for photoelectrochemical water splitting. Solar Energy Materials and Solar Cells, 2017, 161, 46-51.	6.2	29
105	A Dumbbell CaBi₂O₄ Photoelectrode for Photoelectrochemical Water Splitting. ChemCatChem, 2017, 9, 4029-4034.	3.7	12
106	The preparation of CuS/TiO2 nanotube arrays with high-active under visible light by ultrasonic-assisted hydrothermal method. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
107	Enhanced photoelectrochemical water splitting by oxides heterojunction photocathode coupled with Ag. Dalton Transactions, 2017, 46, 9886-9894.	3.3	7
108	Photoelectrochemical properties and growth mechanism of varied ZnO nanostructures. New Journal of Chemistry, 2017, 41, 7947-7952.	2.8	48

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109	Highly efficient photocatalyst based on all oxides WO3/Cu2O heterojunction for photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2017, 201, 84-91.	20.2	193
110	Efficient photoelectrochemical water splitting over Co3O4 and Co3O4/Ag composite structure. Applied Catalysis B: Environmental, 2017, 202, 454-459.	20.2	86
111	Novel WO₃/Sb₂S₃ Heterojunction Photocatalyst Based on WO₃ of Different Morphologies for Enhanced Efficiency in Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2016, 8, 9684-9691.	8.0	252
112	Quantum dots and plasmonic Ag decorated WO3 nanorod photoanodes with enhanced photoelectrochemical performances. International Journal of Hydrogen Energy, 2016, 41, 20529-20535.	7.1	71
113	Effects of seed layers on controlling of the morphology of ZnO nanostructures and superhydrophobicity of ZnO nanostructure/stearic acid composite films. Materials Chemistry and Physics, 2016, 183, 306-314.	4.0	23
114	High-efficiency pâ€“n junction oxide photoelectrodes for photoelectrochemical water splitting. Physical Chemistry Chemical Physics, 2016, 18, 31230-31237.	2.8	16
115	Flowerâ€like Cu₂In₂ZnS₅ Nanosheets: A Novel Promising Photoelectrode for Water Splitting. ChemCatChem, 2016, 8, 1288-1292.	3.7	11
116	1D ZnO/BiVO₄ heterojunction photoanodes for efficient photoelectrochemical water splitting. Dalton Transactions, 2016, 45, 11346-11352.	3.3	90
117	CuSbS2: a promising semiconductor photo-absorber material for quantum dot sensitized solar cells. Physical Chemistry Chemical Physics, 2016, 18, 16615-16620.	2.8	28
118	Fabrication and Photoelectric Properties of Large Area ZnO Nanorod with Au Nanospheres. Plasmonics, 2016, 11, 131-137.	3.4	2
119	AgSbS2 modified ZnO nanotube arrays for photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2015, 179, 61-68.	20.2	81
120	Preparation and enhanced photoelectrochemical performance of selenite-sensitized zinc oxide core/shell composite structure. Journal of Materials Chemistry A, 2015, 3, 4239-4247.	10.3	30
121	Jalpaite Ag3CuS2: a novel promising ternary sulfide absorber material for solar cells. Chemical Communications, 2015, 51, 2597-2600.	4.1	28
122	Preparation and activity evaluation of TiO2/Cu-TiO2 composite catalysts. Journal of Sol-Gel Science and Technology, 2015, 73, 322-331.	2.4	17
123	Efficient visible light photocatalytic activity of pâ€“n junction CuO/TiO₂ loaded on natural zeolite. RSC Advances, 2015, 5, 64495-64502.	3.6	37
124	Trilaminar graphene/tremella-like CuInS2/graphene oxide nanofilms and the enhanced activity for photoelectrochemical water splitting. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	14
125	Hierarchical graphene/CdS/Ag2S sandwiched nanofilms for photoelectrochemical water splitting. Electrochimica Acta, 2015, 176, 334-343.	5.2	28
126	Preparation and Photocatalysis of Schlumbergera bridgesii-Like CdS Modified One-Dimensional TiO2 Nanowires on Zeolite. Journal of Materials Engineering and Performance, 2015, 24, 700-708.	2.5	4

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127	Higher-efficiency photoelectrochemical electrodes of titanium dioxide-based nanoarrays sensitized simultaneously with plasmonic silver nanoparticles and multiple metal sulfides photosensitizers. Journal of Power Sources, 2015, 285, 185-194.	7.8	30
128	Inorganicâ€“organic solar cells based on quaternary sulfide as absorber materials. Physical Chemistry Chemical Physics, 2015, 17, 30993-30998.	2.8	4
129	High-efficiency photoelectrochemical electrodes based on ZnIn2S4 sensitized ZnO nanotube arrays. Applied Catalysis B: Environmental, 2015, 163, 179-188.	20.2	128
130	Hierarchical porous TiO₂ templated from natural Artemia cyst shells for photocatalysis applications. RSC Advances, 2014, 4, 20393-20397.	3.6	9
131	Dendritic TiO₂/In₂S₃/AgInS₂ Trilaminar Coreâ€“Shell Branched Nanoarrays and the Enhanced Activity for Photoelectrochemical Water Splitting. Small, 2014, 10, 3153-3161.	10.0	76
132	Three-dimensional flower-like hybrid BiOIâ€“zeolite composites with highly efficient adsorption and visible light photocatalytic activity. RSC Advances, 2014, 4, 45540-45547.	3.6	20
133	Zeolite-based CuO nanotubes catalysts: investigating the characterization, mechanism, and decolouration process of methylene blue. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	9
134	High-Efficiency AgInS₂-Modified ZnO Nanotube Array Photoelectrodes for All-Solid-State Hybrid Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 17119-17125.	8.0	55
135	Synthesis of ZnO/Cu2S core/shell nanorods and their enhanced photoelectric performance. Journal of Sol-Gel Science and Technology, 2014, 72, 92-99.	2.4	18
136	Preparation of cauliflower-like CdS/ZnS/ZnO nanostructure and its photoelectric properties. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
137	Trilaminar ZnO/ZnS/Sb2S3 nanotube arrays for efficient inorganicâ€“organic hybrid solar cells. RSC Advances, 2014, 4, 23807.	3.6	40
138	Synthesis of metal sulfide sensitized zinc oxide-based core/shell/shell nanorods and their photoelectrochemical properties. Journal of Power Sources, 2014, 268, 388-396.	7.8	36
139	PEC electrode of ZnO nanorods sensitized by CdS with different size and its photoelectric properties. International Journal of Hydrogen Energy, 2013, 38, 10226-10234.	7.1	58
140	Fabrication of ZnO/CuS core/shell nanoarrays for inorganicâ€“organic heterojunction solar cells. Materials Chemistry and Physics, 2013, 141, 804-809.	4.0	31
141	Controlled synthesis of ZnO and TiO2 nanotubes by chemical method and their application in dye-sensitized solar cells. Renewable Energy, 2011, 36, 1177-1181.	8.9	121
142	Effects of substrates and seed layers on solution growing ZnO nanorods. Journal of Solid State Electrochemistry, 2010, 14, 957-963.	2.5	57
143	Growth of ZnO nanorods by aqueous solution method with electrodeposited ZnO seed layers. Applied Surface Science, 2009, 255, 6415-6420.	6.1	86
144	Mechanism and characteristics of porous ZnO films by solâ€“gel method with PEG template. Materials Letters, 2008, 62, 1190-1193.	2.6	50

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145	Assembly of ordered ZnO porous thin films by cooperative assembly method using polystyrene spheres and ultrafine ZnO particles. Materials Research Bulletin, 2006, 41, 119-127.	5.2	11
146	Preparation of porous ZnO plate crystal thin films by electrochemical deposition using PS template assistant. Materials Letters, 2006, 60, 810-814.	2.6	26
147	Preparation of ZnO porous thin films by solâ€“gel method using PEG template. Materials Letters, 2005, 59, 3620-3625.	2.6	137
148	Efficient WO₃ Photoanode Modified by Pt Layer and Plasmonic Ag for Enhanced Charge Separation and Transfer To Promote Photoelectrochemical Performances. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	11