Qizhao Wang

List of Publications by Year
in descending order

89 papers	4,419 citations	94433 37 h-index	110387 64 g-index
90 all docs	90 docs citations	90 times ranked	4877 citing authors

#	Article	IF	Citations
1	Construction of hierarchical ZnIn2S4@PCN-224 heterojunction for boosting photocatalytic performance in hydrogen production and degradation of tetracycline hydrochloride. Applied Catalysis B: Environmental, 2021, 284, 119762.	20.2	193
2	Photochemical preparation of Cd/CdS photocatalysts and their efficient photocatalytic hydrogen production under visible light irradiation. Green Chemistry, 2014, 16, 2728-2735.	9.0	149
3	High photocatalytic hydrogen production from methanol aqueous solution using the photocatalysts CuS/TiO2. International Journal of Hydrogen Energy, 2013, 38, 10739-10745.	7.1	144
4	Anchored Cu(II) tetra(4-carboxylphenyl)porphyrin to P25 (TiO2) for efficient photocatalytic ability in CO2 reduction. Applied Catalysis B: Environmental, 2018, 239, 599-608.	20.2	143
5	Fabrication of BiVO4 photoanode cocatalyzed with NiCo-layered double hydroxide for enhanced photoactivity of water oxidation. Applied Catalysis B: Environmental, 2020, 263, 118280.	20.2	139
6	High-performance photoelectrochemical water splitting of BiVO4@Co-MIm prepared by a facile in-situ deposition method. Chemical Engineering Journal, 2019, 371, 885-892.	12.7	137
7	Integration of Copper(II)-Porphyrin Zirconium Metalâ€“Organic Framework and Titanium Dioxide to Construct Z-Scheme System for Highly Improved Photocatalytic CO₂ Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 15660-15670.	6.7	136
8	Constructing a 2D/2D Bi2O2CO3/Bi4O5Br2 heterostructure as a direct Z-scheme photocatalyst with enhanced photocatalytic activity for NOx removal. Applied Surface Science, 2019, 493, 913-925.	6.1	132
9	Synthesis of MFe 2 O 4 (M = Ni, Co)/BiVO 4 film for photolectrochemical hydrogen production activity. Applied Catalysis B: Environmental, 2017, 214, 158-167.	20.2	124
10	Photodegradation of methyl orange with PANI-modified BiOCl photocatalyst under visible light irradiation. Applied Surface Science, 2013, 283, 577-583.	6.1	115
11	CuS, NiS as co-catalyst for enhanced photocatalytic hydrogen evolution over TiO2. International Journal of Hydrogen Energy, 2014, 39, 13421-13428.	7.1	114
12	Construction of a Two-Dimensional Composite Derived from TiO₂ and SnS₂ for Enhanced Photocatalytic Reduction of CO₂ into CH₄. ACS Sustainable Chemistry and Engineering, 2019, 7, 650-659.	6.7	114
13	Designing non-noble/semiconductor Bi/BiVO4 photoelectrode for the enhanced photoelectrochemical performance. Chemical Engineering Journal, 2017, 326, 411-418.	12.7	106
14	Synthesis of non-noble metal nickel doped sulfide solid solution for improved photocatalytic performance. Applied Catalysis B: Environmental, 2019, 245, 439-447.	20.2	101
15	Construction of ternary CuO/CuFe2O4/g-C3N4 composite and its enhanced photocatalytic degradation of tetracycline hydrochloride with persulfate under simulated sunlight. Journal of Environmental Sciences, 2022, 112, 59-70.	6.1	88
16	The preparation of BiOCl photocatalyst and its performance of photodegradation on dyes. Materials Science in Semiconductor Processing, 2014, 17, 87-93.	4.0	86
17	FeF2/BiVO4 heterojuction photoelectrodes and evaluation of its photoelectrochemical performance for water splitting. Chemical Engineering Journal, 2018, 337, 506-514.	12.7	86
18	High-efficiency photo-Fenton Fe/g-C3N4/kaolinite catalyst for tetracycline hydrochloride degradation. Applied Clay Science, 2021, 212, 106213.	5.2	86

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19	Photodegradation of rhodamine B with MoS2/Bi2O2CO3 composites under UV light irradiation. Applied Surface Science, 2014, 313, 537-544.	6.1	85
20	Nickel-Doped Excess Oxygen Defect Titanium Dioxide for Efficient Selective Photocatalytic Oxidation of Benzyl Alcohol. ACS Sustainable Chemistry and Engineering, 2018, 6, 11939-11948.	6.7	85
21	Preparation of carbon spheres supported CdS photocatalyst for enhancement its photocatalytic H 2 evolution. Catalysis Today, 2017, 281, 662-668.	4.4	84
22	Preparation of efficient visible-light-driven BiOBr/Bi2O3 heterojunction composite with enhanced photocatalytic activities. Journal of Alloys and Compounds, 2015, 649, 474-482.	5.5	82
23	Facile loading of cobalt oxide on bismuth vanadate: Proved construction of p-n junction for efficient photoelectrochemical water oxidation. Journal of Colloid and Interface Science, 2020, 570, 89-98.	9.4	70
24	Hydrothermal synthesis of flower-like molybdenum disulfide microspheres and their application in electrochemical supercapacitors. RSC Advances, 2018, 8, 38945-38954.	3.6	65
25	One-step hydrothermal deposition of F:FeOOH onto BiVO4 photoanode for enhanced water oxidation. Chemical Engineering Journal, 2020, 392, 123703.	12.7	60
26	Highly Efficient Photocatalytic Hydrogen Production of Flower-like Cadmium Sulfide Decorated by Histidine. Scientific Reports, 2015, 5, 13593.	3.3	59
27	Accelerated Fenton-like kinetics by visible-light-driven catalysis over iron(<scp>iii</scp>) porphyrin functionalized zirconium MOF: effective promotion on the degradation of organic contaminants. Environmental Science: Nano, 2019, 6, 2652-2661.	4.3	57
28	Synthesis of Flowerlike gâ€C₃N₄/BiOBr with Enhanced Visible Light Photocatalytic Activity for Dye Degradation. European Journal of Inorganic Chemistry, 2018, 2018, 1834-1841.	2.0	54
29	Synthesis of Rodâ€Like gâ€C₃N₄/ZnS Composites with Superior Photocatalytic Activity for the Degradation of Methyl Orange. European Journal of Inorganic Chemistry, 2015, 2015, 4108-4115.	2.0	53
30	La-Doped ZnWO₄ nanorods with enhanced photocatalytic activity for NO removal: effects of La doping and oxygen vacancies. Inorganic Chemistry Frontiers, 2020, 7, 356-368.	6.0	53
31	Fabricating a g-C₃N₄/CuO_x heterostructure with tunable valence transition for enhanced photocatalytic activity. RSC Advances, 2016, 6, 39774-39783.	3.6	52
32	Synthesis and characterization of novel PPy/Bi2O2CO3 composite with improved photocatalytic activity for degradation of Rhodamine-B. Journal of Alloys and Compounds, 2015, 637, 127-132.	5.5	51
33	Highly Efficient and Stable Catalyst Based on Co(OH)₂@Ni Electroplated on Cu-Metallized Cotton Textile for Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 29791-29798.	8.0	49
34	Photodegradation of textile dye Rhodamine B over a novel biopolymerâ€“metal complex wool-Pd/CdS photocatalysts under visible light irradiation. Journal of Photochemistry and Photobiology B: Biology, 2013, 126, 47-54.	3.8	43
35	CNx-modified Fe3O4 as Pt nanoparticle support for the oxygen reduction reaction. Journal of Solid State Electrochemistry, 2013, 17, 1021-1028.	2.5	43
36	NiFe layered double-hydroxide nanoparticles for efficiently enhancing performance of BiVO4 photoanode in photoelectrochemical water splitting. Chinese Journal of Catalysis, 2018, 39, 613-618.	14.0	43

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37	Microwave synthesis of mesoporous CuCo 2 S 4 nanoparticles for supercapacitor applications. Materials Chemistry and Physics, 2018, 215, 121-126.	4.0	42
38	Recent advances in kaolinite-based material for photocatalysts. Chinese Chemical Letters, 2021, 32, 2617-2628.	9.0	39
39	ZrW2O8 photocatalyst and its visible-light sensitization via sulfur anion doping for water splitting. International Journal of Hydrogen Energy, 2010, 35, 7043-7050.	7.1	37
40	Visible-light-responding Bi0.5Dy0.5VO4 Solid Solution for Photocatalytic Water Splitting. Catalysis Letters, 2009, 131, 160-163.	2.6	36
41	Amorphous CoSn alloys decorated by Pt as high efficiency electrocatalysts for ethanol oxidation. Journal of Power Sources, 2011, 196, 8000-8003.	7.8	36
42	Photocatalytic water splitting by band-gap engineering of solid solution Bi1â^'xDyxVO4 and Bi0.5M0.5VO4 (M=La, Sm, Nd, Gd, Eu, Y). Journal of Alloys and Compounds, 2012, 522, 19-24.	5.5	36
43	Enhanced photocatalytic performance of Bi2O3/H-ZSM-5 composite for rhodamine B degradation under UV light irradiation. Applied Surface Science, 2014, 289, 224-229.	6.1	36
44	Preparation of a novel recyclable cocatalyst woolâ€“Pd for enhancement of photocatalytic H2 evolution on CdS. International Journal of Hydrogen Energy, 2013, 38, 10761-10767.	7.1	33
45	Photocatalytic activity of hydrogen production from water over TiO2 with different crystal structures. Materials Science in Semiconductor Processing, 2015, 40, 418-423.	4.0	33
46	Synergetic Effects of Pd⁰ Metal Nanoparticles and Pd²⁺ Ions on Enhanced Photocatalytic Activity of ZnWO₄ Nanorods for Nitric Oxide Removal. Langmuir, 2019, 35, 11265-11274.	3.5	33
47	Photocatalytic water splitting into hydrogen and research on synergistic of Bi/Sm with solid solution of Biâ€“Smâ€“V photocatalyst. International Journal of Hydrogen Energy, 2012, 37, 12886-12892.	7.1	32
48	Facile preparation of mixed-phase CdS and its enhanced photocatalytic selective oxidation of benzyl alcohol under visible light irradiation. Applied Surface Science, 2018, 457, 1167-1173.	6.1	32
49	Photodegradation of Rhodamine B over a novel photocatalyst of feather keratin decorated CdS under visible light irradiation. New Journal of Chemistry, 2015, 39, 7112-7119.	2.8	31
50	Construction of heterostructured g-C3N4@TiATA/Pt composites for efficacious photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 24407-24417.	7.1	31
51	Preparation of Zn₃In₂S₆/TiO₂ for Enhanced CO₂ Photocatalytic Reduction Activity Via Zâ€scheme Electron Transfer. ChemCatChem, 2019, 11, 753-759.	3.7	31
52	Ultrafine iron oxide nanoparticles supported on N-doped carbon black as an oxygen reduction reaction catalyst. International Journal of Hydrogen Energy, 2014, 39, 14777-14782.	7.1	30
53	Zn3(OH)2V2O7Â·2H2O/g-C3N4: A novel composite for efficient photodegradation of methylene blue under visible-light irradiation. Applied Surface Science, 2015, 347, 602-609.	6.1	30
54	Preparation of CdS-P25/ZIF-67 composite material and its photocatalytic CO2 reduction performance. Applied Surface Science, 2022, 584, 152645.	6.1	30

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55	Photocatalytic H2 production activity of TiO2 modified by inexpensive Cu(OH)2 cocatalyst. Journal of Alloys and Compounds, 2020, 821, 153239.	5.5	29
56	Synthesis, characterization and adsorption of cationic dyes by CS/P(AMPS-co-AM) hydrogel initiated by glow-discharge-electrolysis plasma. Iranian Polymer Journal (English Edition), 2016, 25, 423-435.	2.4	28
57	Construction of immobilized films photocatalysts with CdS clusters decorated by metal Cd and BiOCl for photocatalytic degradation of tetracycline antibiotics. Chinese Chemical Letters, 2022, 33, 3705-3708.	9.0	28
58	Preparation of CuS/BiVO4 thin film and its efficacious photoelectrochemical performance in hydrogen generation. Rare Metals, 2019, 38, 428-436.	7.1	27
59	Carbon-supported platinum-decorated nickel nanoparticles for enhanced methanol oxidation in acid media. Journal of Solid State Electrochemistry, 2012, 16, 1049-1054.	2.5	26
60	Nitrogen-doped carbon coated ZrO2 as a support for Pt nanoparticles in the oxygen reduction reaction. International Journal of Hydrogen Energy, 2013, 38, 5783-5788.	7.1	26
61	Synthesis, characterization, and property testing of PGS/P(AMPS-co-AM) superabsorbent hydrogel initiated by glow-discharge electrolysis plasma. Colloid and Polymer Science, 2016, 294, 257-270.	2.1	24
62	Photosensitization of CdS by acid red-94 modified alginate: Dual ameliorative effect upon photocatalytic hydrogen evolution. Applied Surface Science, 2019, 492, 598-606.	6.1	23
63	Enhanced photo-induced charge separation and solar-driven photocatalytic activity of g-C3N4 decorated by SO42â^'. Materials Science in Semiconductor Processing, 2015, 40, 508-515.	4.0	22
64	Effect of Rh oxide as a cocatalyst over Bi 0.5 Y 0.5 VO 4 on photocatalytic overall water splitting. Applied Surface Science, 2015, 355, 1069-1074.	6.1	22
65	Photocatalytic degradation of imidacloprid in aqueous suspension of TiO2 supported on H-ZSM-5. Environmental Earth Sciences, 2012, 66, 441-445.	2.7	21
66	Fabrication of the carnation-like CCN-CuS pâ€“n heterojunctions with enhanced photocatalytic performance under visible light irradiation. Applied Surface Science, 2016, 367, 109-117.	6.1	19
67	Preparation of visible-light-driven BiOBr composites with heteropolyacids (H₃PW₁₂O₄₀) encapsulated by a zeolite for the photo-degradation of methyl orange. New Journal of Chemistry, 2017, 41, 4322-4328.	2.8	19
68	Preparation of Zn0.5Cd0.5S/nickel acetate hydroxide composite for ameliorated water splitting performance under visible light. Applied Surface Science, 2019, 489, 420-426.	6.1	19
69	Preparing ZnWO4â€“CdS composite with excellent visible light photocatalytic activity under mild conditions. Journal of Sol-Gel Science and Technology, 2017, 83, 555-566.	2.4	17
70	Bovine serum albumin modified ZnO to degrade organic dyes under ultraviolet light irradiation. New Journal of Chemistry, 2016, 40, 5604-5610.	2.8	16
71	Designed C₃N₄/CdSâ€“CdWO₄ coreâ€“shell heterostructure with excellent photocatalytic activity. New Journal of Chemistry, 2017, 41, 1028-1036.	2.8	15
72	Preparation of a novel acid doped polyaniline adsorbent for removal of anionic pollutant from wastewater. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 1085-1091.	1.0	14

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73	Immobilized Heteropolyacids with zeolite (MCM-41) to enhance photocatalytic performance of BiOBr. Materials Letters, 2015, 161, 267-270.	2.6	13
74	Efficient Solar Water Splitting via Enhanced Charge Separation of the BiVO₄ Photoanode. ACS Applied Energy Materials, 2022, 5, 6383-6392.	5.1	13
75	The enhanced photocatalytic activity of Zn2+ doped TiO2 for hydrogen generation under artificial sunlight irradiation prepared by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2015, 73, 341-349.	2.4	12
76	Preparation of an In₂S₃/TiO₂ Heterostructure for Enhanced Activity in Carbon Dioxide Photocatalytic Reduction. ChemPhotoChem, 2021, 5, 438-444.	3.0	12
77	Synthesis of bismuth oxyiodide/kaolinite composite with enhanced photocatalytic activity. Journal of Physics and Chemistry of Solids, 2022, 161, 110424.	4.0	12
78	Montmorillonite modified by CNx supported Pt forÂmethanol oxidation. International Journal of Hydrogen Energy, 2013, 38, 10381-10388.	7.1	11
79	Surface-enhanced palygorskite coated CdS: synthesis, characterization and highly improved photocatalytic degradation efficiency of organic dyes. Journal of Materials Science: Materials in Electronics, 2017, 28, 10464-10471.	2.2	10
80	A flower-like TiO2 with photocatalytic hydrogen evolution activity modified by Zn(II) porphyrin photocatalysts. Journal of Materials Science: Materials in Electronics, 2017, 28, 2123-2127.	2.2	10
81	Boosting the photoelectrochemical water oxidation performance of bismuth vanadate by ZnCo2O4 nanoparticles. Chinese Chemical Letters, 2022, 33, 2060-2064.	9.0	10
82	Study on preparation and swelling kinetics of P(AAâ€coâ€Œ₈PhEO₁₀Mac) pHâ€sensitive hydrogel in vitro drug release study. Journal of Applied Polymer Science, 2013, 130, 1981-1989.	2.6	8
83	Microwave-assisted synthesis and characterization of BiOI/BiF3 pâ€“n heterojunctions and its enhanced photocatalytic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 13787-13795.	2.2	8
84	Carbon doped solid solution Bi0.5Dy0.5VO4 for efficient photocatalytic hydrogen evolution from water. International Journal of Hydrogen Energy, 2016, 41, 16032-16039.	7.1	5
85	Palygorskite/g-C3N4 conjunction for visible-light-driven degradation of tetracycline hydrochloride. Journal of Materials Science: Materials in Electronics, 2019, 30, 18159-18167.	2.2	5
86	Synthesis of visible-light-driven g-C3N4/La2Ti2O7 heterojunction photocatalysts for improved photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 1265-1274.	2.2	3
87	Preparation of Bi0.5Y0.5VO4 Solid Solution by Polymerized Complex Method and Photocatalytic H2 Evolution. Catalysis Letters, 2014, 144, 574-577.	2.6	1
88	An efficient strategy for photocatalytic decomposition of ethanolamines in gas atmosphere. Materials Letters, 2019, 251, 131-134.	2.6	1
89	Selective Adsorption and Reusability for Pb2+ of Chitosan-based Microporous Polymer. Porrime, 2017, 41, 480-489.	0.2	1