

Qizhao Wang

List of Publications by Year in descending order

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89
papers

4,419
citations

94433

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110387

64
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90
all docs

90
docs citations

90
times ranked

4877
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting the photoelectrochemical water oxidation performance of bismuth vanadate by ZnCo ₂ O ₄ nanoparticles. Chinese Chemical Letters, 2022, 33, 2060-2064.	9.0	10
2	Construction of ternary CuO/CuFe ₂ O ₄ /g-C ₃ N ₄ 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
3	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
4	Synthesis of bismuth oxyiodide/kaolinite composite with enhanced photocatalytic activity. Journal of Physics and Chemistry of Solids, 2022, 161, 110424.	4.0	12
5	Preparation of CdS-P25/ZIF-67 composite material and its photocatalytic CO ₂ reduction performance. Applied Surface Science, 2022, 584, 152645.	6.1	30
6	Efficient Solar Water Splitting via Enhanced Charge Separation of the BiVO ₄ Photoanode. ACS Applied Energy Materials, 2022, 5, 6383-6392.	5.1	13
7	Construction of hierarchical ZnIn ₂ S ₄ @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
8	Recent advances in kaolinite-based material for photocatalysts. Chinese Chemical Letters, 2021, 32, 2617-2628.	9.0	39
9	Preparation of an In ₂ S ₃ /TiO ₂ Heterostructure for Enhanced Activity in Carbon Dioxide Photocatalytic Reduction. ChemPhotoChem, 2021, 5, 438-444.	3.0	12
10	High-efficiency photo-Fenton Fe/g-C ₃ N ₄ /kaolinite catalyst for tetracycline hydrochloride degradation. Applied Clay Science, 2021, 212, 106213.	5.2	86
11	Fabrication of BiVO ₄ photoanode cocatalyzed with NiCo-layered double hydroxide for enhanced photoactivity of water oxidation. Applied Catalysis B: Environmental, 2020, 263, 118280.	20.2	139
12	La-Doped ZnWO ₄ 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
13	Synthesis of visible-light-driven g-C ₃ N ₄ /La ₂ Ti ₂ O ₇ heterojunction photocatalysts for improved photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 1265-1274.	2.2	3
14	Photocatalytic H ₂ production activity of TiO ₂ modified by inexpensive Cu(OH) ₂ cocatalyst. Journal of Alloys and Compounds, 2020, 821, 153239.	5.5	29
15	One-step hydrothermal deposition of F:FeOOH onto BiVO ₄ photoanode for enhanced F ₂ water oxidation. Chemical Engineering Journal, 2020, 392, 123703.	12.7	60
16	Microwave-assisted synthesis and characterization of BiOI/BiF ₃ p-n heterojunctions and its enhanced photocatalytic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 13787-13795.	2.2	8
17	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
18	Synergetic Effects of Pd ⁰ Metal Nanoparticles and Pd ²⁺ Ions on Enhanced Photocatalytic Activity of ZnWO ₄ Nanorods for Nitric Oxide Removal. Langmuir, 2019, 35, 11265-11274.	3.5	33

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19	Integration of Copper(II)-Porphyrin Zirconium Metal-Organic Framework and Titanium Dioxide to Construct Z-Scheme System for Highly Improved Photocatalytic CO ₂ Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 15660-15670.	6.7	136
20	Constructing a 2D/2D Bi ₂ O ₂ CO ₃ /Bi ₄ O ₅ Br ₂ heterostructure as a direct Z-scheme photocatalyst with enhanced photocatalytic activity for NO _x removal. Applied Surface Science, 2019, 493, 913-925.	6.1	132
21	Accelerated Fenton-like kinetics by visible-light-driven catalysis over iron(III) porphyrin functionalized zirconium MOF: effective promotion on the degradation of organic contaminants. Environmental Science: Nano, 2019, 6, 2652-2661.	4.3	57
22	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
23	Palygorskite/g-C ₃ N ₄ conjunction for visible-light-driven degradation of tetracycline hydrochloride. Journal of Materials Science: Materials in Electronics, 2019, 30, 18159-18167.	2.2	5
24	Construction of heterostructured g-C ₃ N ₄ @TiO ₂ /Pt composites for efficacious photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 24407-24417.	7.1	31
25	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
26	Preparation of Zn _{0.5} Cd _{0.5} /nickel acetate hydroxide composite for ameliorated water splitting performance under visible light. Applied Surface Science, 2019, 489, 420-426.	6.1	19
27	An efficient strategy for photocatalytic decomposition of ethanolamines in gas atmosphere. Materials Letters, 2019, 251, 131-134.	2.6	1
28	High-performance photoelectrochemical water splitting of BiVO ₄ @Co-MIm prepared by a facile in-situ deposition method. Chemical Engineering Journal, 2019, 371, 885-892.	12.7	137
29	Preparation of CuS/BiVO ₄ thin film and its efficacious photoelectrochemical performance in hydrogen generation. Rare Metals, 2019, 38, 428-436.	7.1	27
30	Preparation of Zn ₃ In ₂ S ₆ /TiO ₂ for Enhanced CO ₂ Photocatalytic Reduction Activity Via Z-scheme Electron Transfer. ChemCatChem, 2019, 11, 753-759.	3.7	31
31	Construction of a Two-Dimensional Composite Derived from TiO ₂ and SnS ₂ for Enhanced Photocatalytic Reduction of CO ₂ into CH ₄ . ACS Sustainable Chemistry and Engineering, 2019, 7, 650-659.	6.7	114
32	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
33	Synthesis of Flowerlike g-C ₃ N ₄ /BiOBr with Enhanced Visible Light Photocatalytic Activity for Dye Degradation. European Journal of Inorganic Chemistry, 2018, 2018, 1834-1841.	2.0	54
34	Fe ₂ /BiVO ₄ heterojunction photoelectrodes and evaluation of its photoelectrochemical performance for water splitting. Chemical Engineering Journal, 2018, 337, 506-514.	12.7	86
35	Hydrothermal synthesis of flower-like molybdenum disulfide microspheres and their application in electrochemical supercapacitors. RSC Advances, 2018, 8, 38945-38954.	3.6	65
36	Microwave synthesis of mesoporous CuCo ₂ S ₄ nanoparticles for supercapacitor applications. Materials Chemistry and Physics, 2018, 215, 121-126.	4.0	42

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37	Anchored Cu(II) tetra(4-carboxylphenyl)porphyrin to P25 (TiO ₂) for efficient photocatalytic ability in CO ₂ reduction. Applied Catalysis B: Environmental, 2018, 239, 599-608.	20.2	143
38	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
39	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
40	NiFe layered double-hydroxide nanoparticles for efficiently enhancing performance of BiVO ₄ photoanode in photoelectrochemical water splitting. Chinese Journal of Catalysis, 2018, 39, 613-618.	14.0	43
41	Preparation of carbon spheres supported CdS photocatalyst for enhancement its photocatalytic H ₂ evolution. Catalysis Today, 2017, 281, 662-668.	4.4	84
42	Preparation of visible-light-driven BiOBr composites with heteropolyacids (H ₃ PW ₁₂ O ₄₀) encapsulated by a zeolite for the photo-degradation of methyl orange. New Journal of Chemistry, 2017, 41, 4322-4328.	2.8	19
43	Synthesis of MFe ₂ O ₄ (M = Ni, Co)/BiVO ₄ film for photoelectrochemical hydrogen production activity. Applied Catalysis B: Environmental, 2017, 214, 158-167.	20.2	124
44	Designing non-noble/semiconductor Bi/BiVO ₄ photoelectrode for the enhanced photoelectrochemical performance. Chemical Engineering Journal, 2017, 326, 411-418.	12.7	106
45	Preparing ZnWO ₄ @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
46	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
47	Designed C ₃ N ₄ /CdS@CdWO ₄ core-shell heterostructure with excellent photocatalytic activity. New Journal of Chemistry, 2017, 41, 1028-1036.	2.8	15
48	A flower-like TiO ₂ 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
49	Selective Adsorption and Reusability for Pb ²⁺ of Chitosan-based Microporous Polymer. Porrima, 2017, 41, 480-489.	0.2	1
50	Carbon doped solid solution Bi _{0.5} Dy _{0.5} VO ₄ for efficient photocatalytic hydrogen evolution from water. International Journal of Hydrogen Energy, 2016, 41, 16032-16039.	7.1	5
51	Fabricating a g-C ₃ N ₄ /CuO _x heterostructure with tunable valence transition for enhanced photocatalytic activity. RSC Advances, 2016, 6, 39774-39783.	3.6	52
52	Bovine serum albumin modified ZnO to degrade organic dyes under ultraviolet light irradiation. New Journal of Chemistry, 2016, 40, 5604-5610.	2.8	16
53	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
54	Fabrication of the carnation-like CCN-CuS p-n heterojunctions with enhanced photocatalytic performance under visible light irradiation. Applied Surface Science, 2016, 367, 109-117.	6.1	19

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55	Synthesis, characterization, and property testing of PGS/P(AMPS-co-AM) superabsorbent hydrogel initiated by glow-discharge electrolysis plasma. <i>Colloid and Polymer Science</i> , 2016, 294, 257-270.	2.1	24
56	Highly Efficient Photocatalytic Hydrogen Production of Flower-like Cadmium Sulfide Decorated by Histidine. <i>Scientific Reports</i> , 2015, 5, 13593.	3.3	59
57	Synthesis of Rod-Like $\text{Zn}_3\text{N}_4/\text{ZnS}$ Composites with Superior Photocatalytic Activity for the Degradation of Methyl Orange. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4108-4115.	2.0	53
58	Preparation of a novel acid doped polyaniline adsorbent for removal of anionic pollutant from wastewater. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 1085-1091.	1.0	14
59	The enhanced photocatalytic activity of Zn^{2+} doped TiO_2 for hydrogen generation under artificial sunlight irradiation prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 341-349.	2.4	12
60	Preparation of efficient visible-light-driven $\text{BiOBr}/\text{Bi}_2\text{O}_3$ heterojunction composite with enhanced photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2015, 649, 474-482.	5.5	82
61	Photocatalytic activity of hydrogen production from water over TiO_2 with different crystal structures. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 418-423.	4.0	33
62	Enhanced photo-induced charge separation and solar-driven photocatalytic activity of g- C_3N_4 decorated by SO_4^{2-} . <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 508-515.	4.0	22
63	Photodegradation of Rhodamine B over a novel photocatalyst of feather keratin decorated CdS under visible light irradiation. <i>New Journal of Chemistry</i> , 2015, 39, 7112-7119.	2.8	31
64	Synthesis and characterization of novel $\text{PPy}/\text{Bi}_2\text{O}_2\text{CO}_3$ composite with improved photocatalytic activity for degradation of Rhodamine-B. <i>Journal of Alloys and Compounds</i> , 2015, 637, 127-132.	5.5	51
65	$\text{Zn}_3(\text{OH})_2\text{V}_2\text{O}_7 \cdot 2\text{H}_2\text{O}/\text{g-C}_3\text{N}_4$: A novel composite for efficient photodegradation of methylene blue under visible-light irradiation. <i>Applied Surface Science</i> , 2015, 347, 602-609.	6.1	30
66	Immobilized Heteropolyacids with zeolite (MCM-41) to enhance photocatalytic performance of BiOBr . <i>Materials Letters</i> , 2015, 161, 267-270.	2.6	13
67	Effect of Rh oxide as a cocatalyst over $\text{Bi}_0.5\text{Y}_0.5\text{VO}_4$ on photocatalytic overall water splitting. <i>Applied Surface Science</i> , 2015, 355, 1069-1074.	6.1	22
68	Photochemical preparation of Cd/CdS photocatalysts and their efficient photocatalytic hydrogen production under visible light irradiation. <i>Green Chemistry</i> , 2014, 16, 2728-2735.	9.0	149
69	Ultrafine iron oxide nanoparticles supported on N-doped carbon black as an oxygen reduction reaction catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14777-14782.	7.1	30
70	Preparation of $\text{Bi}_0.5\text{Y}_0.5\text{VO}_4$ Solid Solution by Polymerized Complex Method and Photocatalytic H_2 Evolution. <i>Catalysis Letters</i> , 2014, 144, 574-577.	2.6	1
71	CuS , NiS as co-catalyst for enhanced photocatalytic hydrogen evolution over TiO_2 . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13421-13428.	7.1	114
72	The preparation of BiOCl photocatalyst and its performance of photodegradation on dyes. <i>Materials Science in Semiconductor Processing</i> , 2014, 17, 87-93.	4.0	86

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73	Enhanced photocatalytic performance of Bi ₂ O ₃ /H-ZSM-5 composite for rhodamine B degradation under UV light irradiation. <i>Applied Surface Science</i> , 2014, 289, 224-229.	6.1	36
74	Photodegradation of rhodamine B with MoS ₂ /Bi ₂ O ₂ CO ₃ composites under UV light irradiation. <i>Applied Surface Science</i> , 2014, 313, 537-544.	6.1	85
75	Montmorillonite modified by CN _x supported Pt for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10381-10388.	7.1	11
76	Photodegradation of textile dye Rhodamine B over a novel biopolymer-metal complex wool-Pd/CdS photocatalysts under visible light irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 126, 47-54.	3.8	43
77	Photodegradation of methyl orange with PANI-modified BiOCl photocatalyst under visible light irradiation. <i>Applied Surface Science</i> , 2013, 283, 577-583.	6.1	115
78	High photocatalytic hydrogen production from methanol aqueous solution using the photocatalysts CuS/TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10739-10745.	7.1	144
79	Nitrogen-doped carbon coated ZrO ₂ as a support for Pt nanoparticles in the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5783-5788.	7.1	26
80	Study on preparation and swelling kinetics of P(AA-co-PhEO) ₁₀ Mac pH-sensitive hydrogel <i>in vitro</i> drug release study. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1981-1989.	2.6	8
81	CN _x -modified Fe ₃ O ₄ as Pt nanoparticle support for the oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1021-1028.	2.5	43
82	Preparation of a novel recyclable cocatalyst wool-Pd for enhancement of photocatalytic H ₂ evolution on CdS. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10761-10767.	7.1	33
83	Photocatalytic water splitting by band-gap engineering of solid solution Bi ^x Dy ^{1-x} VO ₄ and Bi _{0.5} Mo _{0.5} VO ₄ (M=La, Sm, Nd, Gd, Eu, Y). <i>Journal of Alloys and Compounds</i> , 2012, 522, 19-24.	5.5	36
84	Photocatalytic water splitting into hydrogen and research on synergistic of Bi/Sm with solid solution of Bi-Sm-V photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12886-12892.	7.1	32
85	Photocatalytic degradation of imidacloprid in aqueous suspension of TiO ₂ supported on H-ZSM-5. <i>Environmental Earth Sciences</i> , 2012, 66, 441-445.	2.7	21
86	Carbon-supported platinum-decorated nickel nanoparticles for enhanced methanol oxidation in acid media. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1049-1054.	2.5	26
87	Amorphous CoSn alloys decorated by Pt as high efficiency electrocatalysts for ethanol oxidation. <i>Journal of Power Sources</i> , 2011, 196, 8000-8003.	7.8	36
88	ZrW ₂ O ₈ photocatalyst and its visible-light sensitization via sulfur anion doping for water splitting. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7043-7050.	7.1	37
89	Visible-light-responding Bi _{0.5} Dy _{0.5} VO ₄ Solid Solution for Photocatalytic Water Splitting. <i>Catalysis Letters</i> , 2009, 131, 160-163.	2.6	36