

Yan-Hui Ao

List of Publications by Year in descending order

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181
papers

9,675
citations

24978

57
h-index

48187

88
g-index

181
all docs

181
docs citations

181
times ranked

8770
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics and thermodynamics of adsorption of methylene blue by a magnetic graphene-carbon nanotube composite. <i>Applied Surface Science</i> , 2014, 290, 116-124.	3.1	292
2	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25546-25550.	7.2	251
3	Synthesis of novel 2D-2D p-n heterojunction BiOBr/La ₂ Ti ₂ O ₇ composite photocatalyst with enhanced photocatalytic performance under both UV and visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 157-168.	10.8	245
4	Facile synthesis of dual Z-scheme g-C ₃ N ₄ /Ag ₃ PO ₄ /AgI composite photocatalysts with enhanced performance for the degradation of a typical neonicotinoid pesticide. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118395.	10.8	225
5	Mediator-free direct dual-Z-scheme Bi ₂ S ₃ /BiVO ₄ /MgIn ₂ S ₄ composite photocatalysts with enhanced visible-light-driven performance towards carbamazepine degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 479-490.	10.8	217
6	Significantly enhanced visible light photocatalytic efficiency of phosphorus doped TiO ₂ with surface oxygen vacancies for ciprofloxacin degradation: Synergistic effect and intermediates analysis. <i>Journal of Hazardous Materials</i> , 2018, 351, 196-205.	6.5	204
7	Robust photocatalytic hydrogen evolution over amorphous ruthenium phosphide quantum dots modified g-C ₃ N ₄ nanosheet. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 578-585.	10.8	193
8	Visible light activated photocatalytic degradation of tetracycline by a magnetically separable composite photocatalyst: Graphene oxide/magnetite/cerium-doped titania. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 129-139.	5.0	186
9	Rationally constructing of a novel dual Z-scheme composite photocatalyst with significantly enhanced performance for neonicotinoid degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118918.	10.8	153
10	Low-temperature preparation of F-doped TiO ₂ film and its photocatalytic activity under solar light. <i>Applied Surface Science</i> , 2008, 254, 3033-3038.	3.1	151
11	All-solid-state Z-scheme WO ₃ nanorod/ZnIn ₂ S ₄ composite photocatalysts for the effective degradation of nitrophenol under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 387, 121713.	6.5	147
12	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene-TiO ₂ composite photocatalyst: Mechanism and intermediates analysis. <i>Chemical Engineering Journal</i> , 2015, 264, 113-124.	6.6	140
13	Synergetic effect of MoS ₂ and MXene on the enhanced H ₂ evolution performance of CdS under visible light irradiation. <i>Applied Surface Science</i> , 2019, 473, 11-19.	3.1	139
14	Construction of silver/graphitic-C ₃ N ₄ /bismuth tantalate Z-scheme photocatalyst with enhanced visible-light-driven performance for sulfamethoxazole degradation. <i>Chemical Engineering Journal</i> , 2019, 378, 122122.	6.6	138
15	Effect of CuO nanoparticles on the production and composition of extracellular polymeric substances and physicochemical stability of activated sludge flocs. <i>Bioresource Technology</i> , 2015, 176, 65-70.	4.8	134
16	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. <i>Applied Surface Science</i> , 2015, 325, 112-116.	3.1	130
17	Mini Review on the Structure and Properties (Photocatalysis), and Preparation Techniques of Graphitic Carbon Nitride Nano-Based Particle, and Its Applications. <i>Nanoscale Research Letters</i> , 2018, 13, 388.	3.1	127
18	A one-pot method for the preparation of graphene-Bi ₂ MoO ₆ hybrid photocatalysts that are responsive to visible-light and have excellent photocatalytic activity in the degradation of organic pollutants. <i>Carbon</i> , 2012, 50, 5256-5264.	5.4	125

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19	Combining Heterojunction Engineering with Surface Cocatalyst Modification To Synergistically Enhance the Photocatalytic Hydrogen Evolution Performance of Cadmium Sulfide Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7670-7677.	3.2	123
20	Noble-metal-free nickel phosphide modified CdS/C ₃ N ₄ nanorods for dramatically enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2017, 46, 13793-13801.	1.6	122
21	Efficient degradation of atrazine by BiOBr/U ₂ O ₃ composite photocatalyst under visible light irradiation: Environmental factors, mechanisms and degradation pathways. <i>Chemosphere</i> , 2018, 203, 497-505.	4.2	118
22	Boosting 2e ⁻ oxygen reduction reaction in garland carbon nitride with carbon defects for high-efficient photocatalysis-self-Fenton degradation of 2,4-dichlorophenol. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121185.	10.8	118
23	Phosphate group grafted twinned BiPO ₄ with significantly enhanced photocatalytic activity: Synergistic effect of improved charge separation efficiency and redox ability. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 90-99.	10.8	115
24	Synthesis of novel ternary heterogeneous anatase-TiO ₂ (B) biphasic nanowires/Bi ₄ O ₅ I ₂ composite photocatalysts for the highly efficient degradation of acetaminophen under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 382, 121083.	6.5	115
25	In-situ construction of Z-scheme g-C ₃ N ₄ /WO ₃ composite with enhanced visible-light responsive performance for nitenpyram degradation. <i>Chinese Chemical Letters</i> , 2021, 32, 2179-2182.	4.8	108
26	Synthesis of Bi ₂ O ₃ @TiO ₂ composite film with high-photocatalytic activity under sunlight irradiation. <i>Applied Surface Science</i> , 2008, 255, 2365-2369.	3.1	103
27	Effects of CeO ₂ nanoparticles on production and physicochemical characteristics of extracellular polymeric substances in biofilms in sequencing batch biofilm reactor. <i>Bioresource Technology</i> , 2015, 194, 91-98.	4.8	103
28	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H ₂ O ₂ Generation for Dual-Heteroatom Incorporated Polymeric Carbon Nitride. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	100
29	Directing Charge Transfer in a Chemical-Bonded BaTiO ₃ @ReS ₂ Schottky Heterojunction for Piezoelectric Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2202508.	11.1	98
30	Inhibitory effects of ZnO nanoparticles on aerobic wastewater biofilms from oxygen concentration profiles determined by microelectrodes. <i>Journal of Hazardous Materials</i> , 2014, 276, 164-170.	6.5	95
31	Preparation of graphene-carbon nanotube-TiO ₂ composites with enhanced photocatalytic activity for the removal of dye and Cr (VI). <i>Applied Catalysis A: General</i> , 2014, 473, 83-89.	2.2	95
32	Photoelectrochemical property and photocatalytic activity of N-doped TiO ₂ nanotube arrays. <i>Applied Surface Science</i> , 2010, 256, 4397-4401.	3.1	94
33	Oxygen vacancies and phosphorus codoped black titania coated carbon nanotube composite photocatalyst with efficient photocatalytic performance for the degradation of acetaminophen under visible light irradiation. <i>Chemical Engineering Journal</i> , 2018, 352, 947-956.	6.6	92
34	Rationally constructing of a novel composite photocatalyst with multi charge transfer channels for highly efficient sulfamethoxazole elimination: Mechanism, degradation pathway and DFT calculation. <i>Chemical Engineering Journal</i> , 2021, 426, 131585.	6.6	89
35	Fabrication of novel n heterojunction BiOI/La ₂ Ti ₂ O ₇ composite photocatalysts for enhanced photocatalytic performance under visible light irradiation. <i>Dalton Transactions</i> , 2016, 45, 7986-7997.	1.6	88
36	Preparation, characterization, photocatalytic properties of titania hollow sphere doped with cerium. <i>Journal of Hazardous Materials</i> , 2010, 178, 517-521.	6.5	85

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37	Low-temperature preparation of Boron-doped titania by hydrothermal method and its photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2009, 484, 73-79.	2.8	83
38	Synergistic effect of molybdenum nitride nanoparticles and nitrogen-doped carbon on enhanced photocatalytic hydrogen evolution performance of CdS nanorods. <i>Journal of Alloys and Compounds</i> , 2020, 812, 151990.	2.8	80
39	Preparation of graphene oxide@Ag ₃ PO ₄ composite photocatalyst with high visible light photocatalytic activity. <i>Applied Surface Science</i> , 2013, 271, 265-270.	3.1	76
40	Response of wastewater biofilm to CuO nanoparticle exposure in terms of extracellular polymeric substances and microbial community structure. <i>Science of the Total Environment</i> , 2017, 579, 588-597.	3.9	76
41	Prominent dual Z-scheme mechanism on phase junction WO ₃ /CdS for enhanced visible-light-responsive photocatalytic performance on imidacloprid degradation. <i>Separation and Purification Technology</i> , 2022, 281, 119863.	3.9	76
42	Effects of water environmental factors on the photocatalytic degradation of sulfamethoxazole by AgI/LiO-66 composite under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2018, 748, 314-322.	2.8	73
43	Rational design of donor-acceptor conjugated polymers with high performance on peroxydisulfate activation for pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121611.	10.8	73
44	A novel Ce, C-codoped TiO ₂ nanoparticles and its photocatalytic activity under visible light. <i>Applied Surface Science</i> , 2009, 256, 884-888.	3.1	72
45	Preparation of a ternary g-C ₃ N ₄ -CdS/Bi ₄ O ₅ I ₂ composite photocatalysts with two charge transfer pathways for efficient degradation of acetaminophen under visible light irradiation. <i>Separation and Purification Technology</i> , 2021, 259, 118177.	3.9	71
46	A simple route for the preparation of Eu, N-codoped TiO ₂ nanoparticles with enhanced visible light-induced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2008, 328, 447-451.	5.0	69
47	<i>In situ</i> surface engineering of ultrafine Ni ₂ P nanoparticles on cadmium sulfide for robust hydrogen evolution. <i>Catalysis Science and Technology</i> , 2018, 8, 5406-5415.	2.1	69
48	Dual-metal-driven Selective Pathway of Nitrogen Reduction in Orderly Atomic-hybridized Re ₂ MnS ₆ Ultrathin Nanosheets. <i>Nano Letters</i> , 2020, 20, 4960-4967.	4.5	69
49	Preparation, characterization and photocatalytic activity of the neodymium-doped TiO ₂ hollow spheres. <i>Applied Surface Science</i> , 2010, 257, 227-231.	3.1	68
50	Effects of CeO ₂ nanoparticles on biological nitrogen removal in a sequencing batch biofilm reactor and mechanism of toxicity. <i>Bioresource Technology</i> , 2015, 191, 73-78.	4.8	68
51	Effect of a typical antibiotic (tetracycline) on the aggregation of TiO ₂ nanoparticles in an aquatic environment. <i>Journal of Hazardous Materials</i> , 2018, 341, 187-197.	6.5	67
52	A simple method to prepare N-doped titania hollow spheres with high photocatalytic activity under visible light. <i>Journal of Hazardous Materials</i> , 2009, 167, 413-417.	6.5	66
53	In-situ synthesis of well dispersed CoP nanoparticles modified CdS nanorods composite with boosted performance for photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14934-14943.	3.8	64
54	Enhanced photoelectrocatalytic activity for dye degradation by graphene@titania composite film electrodes. <i>Journal of Hazardous Materials</i> , 2012, 223-224, 79-83.	6.5	63

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55	A simple method for the preparation of titania hollow sphere. <i>Catalysis Communications</i> , 2008, 9, 2574-2577.	1.6	61
56	Graphene and TiO ₂ co-modified flower-like Bi ₂ O ₂ CO ₃ : A novel multi-heterojunction photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2015, 355, 411-418.	3.1	61
57	Preparation of CdS nanoparticle loaded flower-like Bi ₂ O ₂ CO ₃ heterojunction photocatalysts with enhanced visible light photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 11321-11330.	1.6	60
58	In-depth insight into the mechanism on photocatalytic synergistic removal of antibiotics and Cr (Ⅵ): The decisive effect of antibiotic molecular structure. <i>Applied Catalysis B: Environmental</i> , 2022, 313, 121443.	10.8	60
59	Maximizing the utilization of photo-generated electrons and holes of g-C ₃ N ₄ photocatalyst for harmful algae inactivation. <i>Chemical Engineering Journal</i> , 2022, 431, 134105.	6.6	59
60	A simple method for large-scale preparation of ZnS nanoribbon film and its photocatalytic activity for dye degradation. <i>Applied Surface Science</i> , 2010, 256, 4125-4128.	3.1	56
61	Enhanced stability and dissolution of CuO nanoparticles by extracellular polymeric substances in aqueous environment. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	53
62	Low-temperature preparation of anatase titania-coated magnetite. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1980-1984.	1.9	49
63	Aggregation and removal of copper oxide (CuO) nanoparticles in wastewater environment and their effects on the microbial activities of wastewater biofilms. <i>Bioresource Technology</i> , 2016, 216, 537-544.	4.8	49
64	Construction of silver iodide/silver/bismuth tantalate Z-scheme photocatalyst for effective visible light degradation of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 190-200.	5.0	49
65	Piezo-enhanced photocatalytic performance of ZnO nanorod array for pollutants degradation in dynamic water: Insight into the effect of velocity and inner flow field. <i>Nano Energy</i> , 2022, 101, 107614.	8.2	49
66	A simple method for the preparation of Bi ₂ WO ₆ -reduced graphene oxide with enhanced photocatalytic activity under visible light irradiation. <i>Materials Letters</i> , 2013, 92, 126-128.	1.3	48
67	In-situ growth of Au and Bi ²⁺ -Bi ₂ O ₃ nanoparticles on flower-like Bi ₂ O ₂ CO ₃ : A multi-heterojunction photocatalyst with enhanced visible light responsive photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 122-129.	5.0	48
68	Preparation of cerium and nitrogen co-doped titania hollow spheres with enhanced visible light photocatalytic performance. <i>Powder Technology</i> , 2011, 210, 203-207.	2.1	47
69	Synthesis of fluorine-doped titania-coated activated carbon under low temperature with high photocatalytic activity under visible light. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2366-2370.	1.9	46
70	A simple route for the preparation of anatase titania-coated magnetic porous carbons with enhanced photocatalytic activity. <i>Carbon</i> , 2008, 46, 596-603.	5.4	46
71	A one-pot method to prepare N-doped titania hollow spheres with high photocatalytic activity under visible light. <i>Applied Surface Science</i> , 2010, 256, 2754-2758.	3.1	46
72	Effect of alginate on the aggregation kinetics of copper oxide nanoparticles (CuO NPs): bridging interaction and hetero-aggregation induced by Ca ²⁺ . <i>Environmental Science and Pollution Research</i> , 2016, 23, 11611-11619.	2.7	46

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73	Fabrication of noble-metal-free CdS nanorods-carbon layer-cobalt phosphide multiple heterojunctions for efficient and robust photocatalyst hydrogen evolution under visible light irradiation. <i>Renewable Energy</i> , 2019, 131, 180-186.	4.3	45
74	Bismuth oxychloride modified titanium phosphate nanoplates: A new p-n type heterostructured photocatalyst with high activity for the degradation of different kinds of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 71-78.	5.0	44
75	Preparation, characterization and photocatalytic activity of a novel composite photocatalyst: Ceria-coated activated carbon. <i>Journal of Hazardous Materials</i> , 2010, 184, 1-5.	6.5	43
76	Investigation on graphene and Pt co-modified CdS nanowires with enhanced photocatalytic hydrogen evolution activity under visible light irradiation. <i>Dalton Transactions</i> , 2015, 44, 16372-16382.	1.6	43
77	In-situ growth of Ag ₃ VO ₄ nanoparticles onto BiOCl nanosheet to form a heterojunction photocatalyst with enhanced performance under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1-7.	2.8	43
78	Effect of UV irradiation on the aggregation of TiO ₂ in an aquatic environment: Influence of humic acid and pH. <i>Environmental Pollution</i> , 2016, 212, 178-187.	3.7	43
79	Photoelectrocatalytic determination of chemical oxygen demand under visible light using Cu ₂ O-loaded TiO ₂ nanotube arrays electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 1-8.	4.0	42
80	Enhanced photocatalytic properties of the 3D flower-like Mg-Al layered double hydroxides decorated with Ag ₂ CO ₃ under visible light illumination. <i>Materials Research Bulletin</i> , 2016, 80, 23-29.	2.7	41
81	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	4.2	41
82	Preparation of Ag-doped mesoporous titania and its enhanced photocatalytic activity under UV light irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2660-2664.	1.9	40
83	Magnetically separable composite photocatalyst with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2008, 160, 295-300.	6.5	40
84	Study on photocatalytic performance and degradation kinetics of X-3B with lanthanide-modified titanium dioxide under solar and UV illumination. <i>Journal of Hazardous Materials</i> , 2009, 164, 762-768.	6.5	40
85	A novel heterostructured plasmonic photocatalyst with high photocatalytic activity: Ag@AgCl nanoparticles modified titanium phosphate nanoplates. <i>Journal of Alloys and Compounds</i> , 2017, 698, 410-419.	2.8	40
86	Photocatalytic degradation of X-3B by titania-coated magnetic activated carbon under UV and visible irradiation. <i>Journal of Alloys and Compounds</i> , 2009, 471, 33-38.	2.8	39
87	Effects of interactions between humic acid and heavy metal ions on the aggregation of TiO ₂ nanoparticles in water environment. <i>Environmental Pollution</i> , 2019, 248, 834-844.	3.7	39
88	Understanding the mechanism of interfacial interaction enhancing photodegradation rate of pollutants at molecular level: Intermolecular H-bond interactions favor electrons delivery. <i>Journal of Hazardous Materials</i> , 2022, 430, 128386.	6.5	39
89	Deposition of Ag@AgCl onto two dimensional square-like BiOCl nanoplates for high visible-light photocatalytic activity. <i>Materials Letters</i> , 2014, 131, 74-77.	1.3	38
90	Visible-light responsive C,N-codoped Titania hollow spheres for X-3B dye photodegradation. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 382-386.	2.2	37

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91	Absorption and fluorescence characteristics of chromophoric dissolved organic matter in the Yangtze Estuary. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3460-3473.	2.7	37
92	Effective inactivation of <i>Microcystis aeruginosa</i> by a novel Z-scheme composite photocatalyst under visible light irradiation. <i>Science of the Total Environment</i> , 2020, 746, 141149.	3.9	37
93	Construction of a composite photocatalyst with significantly enhanced photocatalytic performance through combination of homo-junction with hetero-junction. <i>Catalysis Science and Technology</i> , 2018, 8, 486-498.	2.1	36
94	A simple route to synthesize highly crystalline N-doped TiO ₂ particles under low temperature. <i>Journal of Crystal Growth</i> , 2008, 310, 4319-4324.	0.7	35
95	Synthesis of C,N,S-tridoped mesoporous titania with enhanced visible light-induced photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2009, 122, 1-6.	2.2	35
96	Enhanced visible light activated hydrogen evolution activity over cadmium sulfide nanorods by the synergetic effect of a thin carbon layer and noble metal-free nickel phosphide cocatalyst. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 107-114.	5.0	35
97	Modification strategies for enhancing the visible light responsive photocatalytic activity of the BiPO ₄ nano-based composite photocatalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 546-566.	2.1	35
98	Photocatalytic activity on TiO ₂ -coated side-glowing optical fiber reactor under solar light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 199, 165-169.	2.0	34
99	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. <i>Environmental Pollution</i> , 2016, 219, 416-424.	3.7	34
100	Preparation of porous titania thin film and its photocatalytic activity. <i>Applied Surface Science</i> , 2008, 255, 3137-3140.	3.1	31
101	Fabrication of p-type BiOCl/n-type La ₂ Ti ₂ O ₇ facet-coupling heterostructure with enhanced photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 48599-48609.	1.7	31
102	Co-adsorption of perfluorooctane sulfonate and phosphate on boehmite: Influence of temperature, phosphate initial concentration and pH. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 71-77.	2.9	31
103	Oxygen vacancies of the TiO ₂ nano-based composite photocatalysts in visible light responsive photocatalysis. <i>RSC Advances</i> , 2018, 8, 33551-33563.	1.7	31
104	2D ultrathin CoP modified Mn _x Cd _{1-x} S with controllable band structure and robust photocatalytic performance for hydrogen generation. <i>Dalton Transactions</i> , 2019, 48, 14783-14791.	1.6	31
105	0D/1D AgI/MoO ₃ Z-scheme heterojunction photocatalyst: Highly efficient visible-light-driven photocatalyst for sulfamethoxazole degradation. <i>Chinese Chemical Letters</i> , 2021, 32, 3226-3230.	4.8	31
106	Controlled synthesis in large-scale of CdS mesospheres and photocatalytic activity. <i>Materials Letters</i> , 2010, 64, 439-441.	1.3	29
107	Impacts of CuO nanoparticles on nitrogen removal in sequencing batch biofilm reactors after short-term and long-term exposure and the functions of natural organic matter. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22116-22125.	2.7	29
108	Assessing the ecohydrological separation hypothesis and seasonal variations in water use by <i>Ginkgo biloba</i> L. in a subtropical riparian area. <i>Journal of Hydrology</i> , 2017, 553, 486-500.	2.3	29

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109	Interpretation of the disparity in harvesting efficiency of different types of <i>Microcystis aeruginosa</i> using polyethylenimine (PEI)-coated magnetic nanoparticles. <i>Algal Research</i> , 2018, 29, 257-265.	2.4	29
110	Highly efficient adsorption of uranium(U^{VI}) from aqueous solution by a novel adsorbent: titanium phosphate nanotubes. <i>Environmental Science: Nano</i> , 2018, 5, 2304-2314.	2.2	29
111	Preparation of Ag nanoparticles loaded TiO ₂ nanoplate arrays on activated carbon fibers with enhanced photocatalytic activity. <i>Catalysis Communications</i> , 2014, 53, 21-24.	1.6	28
112	A BiOBr/Co ²⁺ /Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 54613-54621.	1.7	28
113	Photoproduction of dissolved organic carbon and inorganic nutrients from resuspended lake sediments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22126-22135.	2.7	28
114	Intimately coupled photocatalysis and biodegradation for effective simultaneous removal of sulfamethoxazole and COD from synthetic domestic wastewater. <i>Journal of Hazardous Materials</i> , 2022, 423, 127063.	6.5	28
115	Bi ₂ MoO ₆ nanosheets deposited TiO ₂ nanobelts with spatially branched hierarchical heterostructure for enhanced photocatalytic activity under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 66-74.	2.3	26
116	Study on the effect of different acids on the structure and photocatalytic activity of mesoporous titania. <i>Applied Surface Science</i> , 2009, 256, 239-245.	3.1	25
117	Preparation, characterization of CdS-deposited graphene ^{2D} /carbon nanotubes hybrid photocatalysts with enhanced photocatalytic activity. <i>Materials Letters</i> , 2013, 108, 336-339.	1.3	25
118	Preparation of graphene oxide-loaded Ag ₃ PO ₄ @AgCl and its photocatalytic degradation of methylene blue and O ₂ evolution activity under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1016-1025.	3.8	25
119	ZnO nanorod arrays co-loaded with Au nanoparticles and reduced graphene oxide: Synthesis, characterization and photocatalytic application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 71-78.	2.3	25
120	Regulating directional transfer of electrons on polymeric g-C ₃ N ₅ for highly efficient photocatalytic H ₂ O ₂ production. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 739-748.	5.0	25
121	Long-term effects of CuO nanoparticles on the surface physicochemical properties of biofilms in a sequencing batch biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9629-9639.	1.7	24
122	Effects of pH and natural organic matter (NOM) on the adsorptive removal of CuO nanoparticles by periphyton. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7696-7704.	2.7	23
123	Influence of silver nanoparticles on benthic oxygen consumption of microbial communities in freshwater sediments determined by microelectrodes. <i>Environmental Pollution</i> , 2017, 224, 771-778.	3.7	23
124	Photocatalytic properties of P25-doped TiO ₂ composite film synthesized via sol-gel method on cement substrate. <i>Journal of Environmental Sciences</i> , 2018, 66, 71-80.	3.2	23
125	Synthesis of a magnetically separable composite photocatalyst with high photocatalytic activity under sunlight. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1042-1047.	1.9	22
126	Photocatalytic activity of vanadium-doped titania ^{2D} /activated carbon composite film under visible light. <i>Thin Solid Films</i> , 2010, 518, 4170-4174.	0.8	22

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127	Hydrothermal synthesis of CeO ₂ /NaNbO ₃ composites with enhanced photocatalytic performance. Chinese Journal of Catalysis, 2018, 39, 682-692.	6.9	22
128	Low temperature preparation of anatase TiO ₂ -activated carbon composite film. Applied Surface Science, 2008, 254, 4001-4006.	3.1	21
129	Deposition of anatase titania onto carbon encapsulated magnetite nanoparticles. Nanotechnology, 2008, 19, 405604.	1.3	21
130	Preparation of a magnetic graphene oxide@Ag ₃ PO ₄ composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1080-1086.	2.7	21
131	Investigation on the application of titania nanorod arrays to the determination of chemical oxygen demand. Analytica Chimica Acta, 2013, 767, 141-147.	2.6	20
132	Influence of artificial ecological floating beds on river hydraulic characteristics. Journal of Hydrodynamics, 2014, 26, 474-481.	1.3	20
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