

Yan-Hui Ao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4151140/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	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
4	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
5	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
6	Ultrafast photocatalytic degradation of nitenpyram by 2D ultrathin Bi ₂ WO ₆ : mechanism, pathways and environmental factors. <i>Rare Metals</i> , 2022, 41, 2439-2452.	3.6	16
7	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
8	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
9	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
10	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
11	Surface Complex and Nonradical Pathways Contributing to High-Efficiency Degradation of Perfluorooctanoic Acid on Oxygen-Deficient In ₂ O ₃ Derived from an In-Based Metal Organic Framework. <i>ACS ES&T Water</i> , 2022, 2, 1344-1352.	2.3	7
12	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
13	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
14	Flexible g-C ₃ N ₄ -based photocatalytic membrane for efficient inactivation of harmful algae under visible light irradiation. <i>Applied Surface Science</i> , 2022, 601, 154270.	3.1	14
15	Enhancing the hydrogen evolution performance of CdS by synergistic effect of Ni doping and SnO ₂ coupling: Improved efficiency of charge transfer and H ₂ O disassociation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6299-6309.	3.8	19
16	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
17	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
18	Risk prediction of microcystins based on water quality surrogates: A case study in a eutrophicated urban river network. <i>Environmental Pollution</i> , 2021, 275, 116651.	3.7	11

#	ARTICLE	IF	CITATIONS
19	In-situ construction of Z-scheme g-C ₃ N ₄ /WO ₃ composite with enhanced visible-light responsive performance for nitenpyram degradation. Chinese Chemical Letters, 2021, 32, 2179-2182.	4.8	108
20	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. Angewandte Chemie - International Edition, 2021, 60, 25546-25550.	7.2	251
21	In-situ growth of NiS co-catalyst on MnS/Mn _{0.3} Cd _{0.7} S heterojunction for boosting photocatalytic hydrogen evolution under visible light irradiation. Surfaces and Interfaces, 2021, 26, 101401.	1.5	6
22	Rationally constructing of a novel composite photocatalyst with multi charge transfer channels for highly efficient sulfamethoxazole elimination: Mechanism, degradation pathway and DFT calculation. Chemical Engineering Journal, 2021, 426, 131585.	6.6	89
23	Numerical simulation of microcystin distribution in Liangxi River, downstream of Taihu Lake. Water Environment Research, 2021, 93, 1934-1943.	1.3	6
24	Probing the role of surface acid sites on the photocatalytic degradation of tetracycline hydrochloride over cerium doped CdS <i>via</i> experiments and theoretical calculations. Dalton Transactions, 2021, 50, 16620-16630.	1.6	9
25	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. Journal of Hazardous Materials, 2020, 382, 121083.	6.5	115
26	Synergistic effect of molybdenum nitride nanoparticles and nitrogen-doped carbon on enhanced photocatalytic hydrogen evolution performance of CdS nanorods. Journal of Alloys and Compounds, 2020, 812, 151990.	2.8	80
27	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. Applied Catalysis B: Environmental, 2020, 268, 118395.	10.8	225
28	All-solid-state Z-scheme WO ₃ nanorod/ZnIn ₂ S ₄ composite photocatalysts for the effective degradation of nitenpyram under visible light irradiation. Journal of Hazardous Materials, 2020, 387, 121713.	6.5	147
29	Effective inactivation of Microcystis aeruginosa by a novel Z-scheme composite photocatalyst under visible light irradiation. Science of the Total Environment, 2020, 746, 141149.	3.9	37
30	Surface Properties and Environmental Transformations Controlling the Bioaccumulation and Toxicity of Cerium Oxide Nanoparticles: A Critical Review. Reviews of Environmental Contamination and Toxicology, 2020, 253, 155-206.	0.7	9
31	Dual-metal-driven Selective Pathway of Nitrogen Reduction in Orderly Atomic-hybridized Re ₂ Mn ₆ Ultrathin Nanosheets. Nano Letters, 2020, 20, 4960-4967.	4.5	69
32	The surface engineering of Re ₂ with cobalt for efficient performance in hydrogen evolution under both acid and alkaline conditions. Chemical Communications, 2020, 56, 8472-8475.	2.2	18
33	Graphene nanocrystals in CO ₂ photoreduction with H ₂ O for fuel production. Nanoscale Advances, 2020, 2, 991-1006.	2.2	7
34	Rationally constructing of a novel dual Z-scheme composite photocatalyst with significantly enhanced performance for neonicotinoid degradation under visible light irradiation. Applied Catalysis B: Environmental, 2020, 270, 118918.	10.8	153
35	Quantifying physical transport and local proliferation of phytoplankton downstream of an eutrophicated lake. Journal of Hydrology, 2020, 585, 124796.	2.3	11
36	Fabrication of noble-metal-free CdS nanorods-carbon layer-cobalt phosphide multiple heterojunctions for efficient and robust photocatalyst hydrogen evolution under visible light irradiation. Renewable Energy, 2019, 131, 180-186.	4.3	45

#	ARTICLE	IF	CITATIONS
37	Construction of silver/graphitic-C3N4/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
38	Long-term exposure to antibiotic mixtures favors microcystin synthesis and release in <i>Microcystis aeruginosa</i> with different morphologies. <i>Chemosphere</i> , 2019, 235, 344-353.	4.2	20
39	Enhanced photoelectrocatalytic performance of TiO ₂ nanorod array under visible light irradiation: Synergistic effect of doping, heterojunction construction and cocatalyst deposition. <i>Inorganic Chemistry Communication</i> , 2019, 108, 107521.	1.8	9
40	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
41	Novel Visible Light Driven Magnetically Separable Graphene/BiOBr Composite Photocatalysts with Enhanced Photocatalytic Activity. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 521-526.	0.4	0
42	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
43	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
44	Polymeric carbon nitride coated Nb-TiO ₂ nanorod arrays with enhanced photoelectrocatalytic activity under visible light irradiation. <i>Inorganic Chemistry Communication</i> , 2019, 101, 113-116.	1.8	10
45	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
46	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
47	Synthesis of novel visible-light-driven p-n type heterojunction Cr ₂ O ₃ /La ₂ Ti ₂ O ₇ photocatalysts with improved photocatalytic performance. <i>Materials Letters</i> , 2018, 220, 54-57.	1.3	12
48	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
49	Hydrothermal synthesis of CeO ₂ /NaNbO ₃ composites with enhanced photocatalytic performance. <i>Chinese Journal of Catalysis</i> , 2018, 39, 682-692.	6.9	22
50	Efficient degradation of atrazine by BiOBr/UiO-66 composite photocatalyst under visible light irradiation: Environmental factors, mechanisms and degradation pathways. <i>Chemosphere</i> , 2018, 203, 497-505.	4.2	118
51	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
52	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
53	Effects of water environmental factors on the photocatalytic degradation of sulfamethoxazole by AgI/UiO-66 composite under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2018, 748, 314-322.	2.8	73
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	The effects of extracellular polymeric substances on magnetic iron oxide nanoparticles stability and the removal of microcystin-LR in aqueous environments. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 89-96.	2.9	14
58	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
59	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
60	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
61	Titanium Phosphate Nanoplates Modified With AgBr@Ag Nanoparticles: A Novel Heterostructured Photocatalyst With Significantly Enhanced Visible Light Responsive Activity. <i>Frontiers in Chemistry</i> , 2018, 6, 489.	1.8	18
62	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
63	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
64	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
65	Assessment of proliferative index in different grades of breast cancers using AgNOR (Agyrophilic) Tj ETQq1 1 0.784314 rgBT /Overlock 1 7, 587-592.	0.8	3
66	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
67	Investigation of the rheological behavior of activated sludge in response to CeO ₂ nanoparticles and potential mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29725-29733.	2.7	3
68	<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
69	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
70	Total Phenolic, Flavonoid and Alkaloid Contents, Oxidative DNA Damage Protective and Antioxidant Properties of Methanol and Aqueous Extracts of <i>Dioscorea rotundifolia</i> Whole Plant. <i>Free Radicals and Antioxidants</i> , 2018, 8, 82-88.	0.2	9
71	Synergistic effect of surface phase junction and surface defects on enhancing the photocatalytic performance of BiPO ₄ . <i>Micro and Nano Letters</i> , 2018, 13, 720-724.	0.6	3
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	4.2	41
75	In-situ growth of Au and β -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
76	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
77	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
78	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
79	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
80	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
81	DEVELOPMENT OF A MULTI-INDEX ECOSYSTEM HEALTH ASSESSMENT MODEL USING BACK-PROPAGATION NEURAL NETWORK APPROACH: A CASE STUDY OF THE YANGTZE ESTUARY, CHINA. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 1551-1561.	0.2	1
82	Contributions of different fractions of extracellular polymeric substances from waste-activated sludge to Cu(II) biosorption. <i>Desalination and Water Treatment</i> , 2016, 57, 21405-21416.	1.0	2
83	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
84	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. <i>Environmental Pollution</i> , 2016, 219, 416-424.	3.7	34
85	Fabrication of novel p-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
86	Fabrication of p-type BiOI/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
87	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
88	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO ₂) nanoparticles under different hydrochemical conditions. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	18
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	A novel p-n heterostructured photocatalyst for the efficient photocatalytic degradation of different kinds of organic compounds under irradiation of both ultraviolet and visible light. <i>Dalton Transactions</i> , 2016, 45, 13907-13916.	1.6	12
93	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
94	Speciation of potentially mobile Si in Yangtze Estuary surface sediments: estimates using a modified sequential extraction technique. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18928-18941.	2.7	2
95	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
96	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
97	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
98	One-pot synthesis of AgBr/Ag ₂ CO ₃ heterojunctions with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2016, 163, 258-261.	1.3	8
99	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
100	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
101	Effect of light-active nanomaterials on the behavior of cadmium(II) in the presence of humic acid: the case of titanium dioxide. <i>Desalination and Water Treatment</i> , 2016, 57, 23975-23986.	1.0	4
102	Preparation of heterostructured Ag@AgCl/La ₂ Ti ₂ O ₇ plasmonic photocatalysts with high visible light photocatalytic performance for the degradation of organic pollutants. <i>RSC Advances</i> , 2016, 6, 19223-19232.	1.7	10
103	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
104	The performance of chitosan/montmorillonite nanocomposite during the flocculation and floc storage processes of <i>Microcystis aeruginosa</i> cells. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11148-11161.	2.7	17
105	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
106	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
107	Seasonal and spatial variations of acid-volatile sulphide and simultaneously extracted metals in the Yangtze River Estuary. <i>Chemistry and Ecology</i> , 2015, 31, 466-477.	0.6	5
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	Response surface modeling and optimization of microcystin-LR removal from aqueous phase by polyacrylamide/sodium alginate- <i>montmorillonite</i> superabsorbent nanocomposite. <i>Desalination and Water Treatment</i> , 2015, 56, 1121-1139.	1.0	7
111	A BiOBr/Co-Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 54613-54621.	1.7	28
112	Early diagenetic alterations of biogenic and reactive silica in the surface sediment of the Yangtze Estuary. <i>Continental Shelf Research</i> , 2015, 99, 1-11.	0.9	10
113	Preparation of CdS nanoparticle loaded flower-like Bi ₂ O ₃ CO ₃ heterojunction photocatalysts with enhanced visible light photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 11321-11330.	1.6	60
114	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
115	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
116	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
117	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
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	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
120	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
121	Preparation of a magnetic graphene oxide-Ag ₃ PO ₄ composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1080-1086.	2.7	21
122	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
123	In-situ growth of zinc tungstate nanorods on graphene for enhanced photocatalytic performance. <i>Materials Research Bulletin</i> , 2014, 57, 41-46.	2.7	14
124	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
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	Solvent-controlled preparation and photocatalytic properties of nanostructured TiO ₂ thin films with different morphologies. <i>Materials Research Bulletin</i> , 2014, 49, 223-228.	2.7	10
128	Influence of artificial ecological floating beds on river hydraulic characteristics. <i>Journal of Hydrodynamics</i> , 2014, 26, 474-481.	1.3	20
129	Process Optimization for Microcystin-LR Adsorption onto Nano-sized Montmorillonite K10: Application of Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	15
130	Graphene-wrapped bismuth oxychloride nanocomposites: Synthesis, characterization, and enhanced photodegradation of methylene blue. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 909-914.	1.9	10
131	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
132	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
133	Preparation of graphene-modified TiO ₂ nanorod arrays with enhanced photocatalytic activity by a solvothermal method. <i>Materials Letters</i> , 2013, 101, 41-43.	1.3	15
134	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
135	Preparation, characterization of CdS-deposited graphene-carbon nanotubes hybrid photocatalysts with enhanced photocatalytic activity. <i>Materials Letters</i> , 2013, 108, 336-339.	1.3	25
136	Investigation on the application of titania nanorod arrays to the determination of chemical oxygen demand. <i>Analytica Chimica Acta</i> , 2013, 767, 141-147.	2.6	20
137	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
138	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
139	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
140	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
141	Preparation and enhanced photocatalytic performance of Sn ion modified titania hollow spheres. <i>Materials Letters</i> , 2011, 65, 3278-3280.	1.3	18
142	Investigation on Ce-doped TiO ₂ -coated BDD composite electrode with high photoelectrocatalytic activity under visible light irradiation. <i>Electrochemistry Communications</i> , 2011, 13, 1423-1423.	2.3	19
143	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
144	Application of fuzzy mathematics in health assessment of estuarine ecosystem. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
145	Preparation, characterization, photocatalytic properties of titania hollow sphere doped with cerium. <i>Journal of Hazardous Materials</i> , 2010, 178, 517-521.	6.5	85
146	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
147	Controlled synthesis in large-scale of CdS mesospheres and photocatalytic activity. <i>Materials Letters</i> , 2010, 64, 439-441.	1.3	29
148	Photocatalytic performance of Gd ion modified titania porous hollow spheres under visible light. <i>Materials Letters</i> , 2010, 64, 1003-1006.	1.3	14
149	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
150	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
151	Photocatalytic activity of vanadium-doped titania-activated carbon composite film under visible light. <i>Thin Solid Films</i> , 2010, 518, 4170-4174.	0.8	22
152	Photoelectrochemical property and photocatalytic activity of N-doped TiO ₂ nanotube arrays. <i>Applied Surface Science</i> , 2010, 256, 4397-4401.	3.1	94
153	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
154	A simple method for preparation of superparamagnetic porous silica. <i>Journal of Alloys and Compounds</i> , 2010, 493, 410-414.	2.8	7
155	Comprehensive evaluation of kraft pulp properties from fast-growing woods. <i>Tappi Journal</i> , 2010, 9, 34-39.	0.2	0
156	Preparation of B-doped titania hollow sphere and its photocatalytic activity under visible light. <i>Materials Letters</i> , 2009, 63, 2442-2444.	1.3	18
157	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
158	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
159	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
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	A novel Ce, C-codoped TiO ₂ nanoparticles and its photocatalytic activity under visible light. Applied Surface Science, 2009, 256, 884-888.	3.1	72
164	Photocatalytic degradation of X-3B by titania-coated magnetic activated carbon under UV and visible irradiation. Journal of Alloys and Compounds, 2009, 471, 33-38.	2.8	39
165	Low-temperature preparation of Boron-doped titania by hydrothermal method and its photocatalytic activity. Journal of Alloys and Compounds, 2009, 484, 73-79.	2.8	83
166	Synthesis of fluorine-doped titania-coated activated carbon under low temperature with high photocatalytic activity under visible light. Journal of Physics and Chemistry of Solids, 2008, 69, 2366-2370.	1.9	46
167	Preparation of porous titania thin film and its photocatalytic activity. Applied Surface Science, 2008, 255, 3137-3140.	3.1	31
168	A simple route for the preparation of Eu, N-codoped TiO ₂ nanoparticles with enhanced visible light-induced photocatalytic activity. Journal of Colloid and Interface Science, 2008, 328, 447-451.	5.0	69
169	A simple route to synthesize highly crystalline N-doped TiO ₂ particles under low temperature. Journal of Crystal Growth, 2008, 310, 4319-4324.	0.7	35
170	Low-temperature preparation of anatase titania-coated magnetite. Journal of Physics and Chemistry of Solids, 2008, 69, 1980-1984.	1.9	49
171	Preparation of Ag-doped mesoporous titania and its enhanced photocatalytic activity under UV light irradiation. Journal of Physics and Chemistry of Solids, 2008, 69, 2660-2664.	1.9	40
172	Photocatalytic activity on TiO ₂ -coated side-glowing optical fiber reactor under solar light. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 199, 165-169.	2.0	34
173	Magnetically separable composite photocatalyst with enhanced photocatalytic activity. Journal of Hazardous Materials, 2008, 160, 295-300.	6.5	40
174	Low-temperature preparation of F-doped TiO ₂ film and its photocatalytic activity under solar light. Applied Surface Science, 2008, 254, 3033-3038.	3.1	151
175	Low temperature preparation of anatase TiO ₂ -activated carbon composite film. Applied Surface Science, 2008, 254, 4001-4006.	3.1	21
176	Synthesis of Bi ₂ O ₃ –TiO ₂ composite film with high-photocatalytic activity under sunlight irradiation. Applied Surface Science, 2008, 255, 2365-2369.	3.1	103
177	Photoelectrochemical application of hollow titania film. Electrochemistry Communications, 2008, 10, 1812-1814.	2.3	13
178	A simple route for the preparation of anatase titania-coated magnetic porous carbons with enhanced photocatalytic activity. Carbon, 2008, 46, 596-603.	5.4	46
179	A simple method for the preparation of titania hollow sphere. Catalysis Communications, 2008, 9, 2574-2577.	1.6	61
180	Deposition of anatase titania onto carbon encapsulated magnetite nanoparticles. Nanotechnology, 2008, 19, 405604.	1.3	21

#	ARTICLE	IF	CITATIONS
181	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. <i>Angewandte Chemie</i> , 0, , .	1.6	7