

Yi Zhou

List of Publications by Year in descending order

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46
papers

4,010
citations

186265

28
h-index

223800

46
g-index

46
all docs

46
docs citations

46
times ranked

4464
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances for dyes removal using novel adsorbents: A review. <i>Environmental Pollution</i> , 2019, 252, 352-365.	7.5	791
2	Metal Sulfides as Excellent Co-catalysts for H ₂ O ₂ Decomposition in Advanced Oxidation Processes. <i>CheM</i> , 2018, 4, 1359-1372.	11.7	679
3	Facile synthesis of the Ti ³⁺ self-doped TiO ₂ -graphene nanosheet composites with enhanced photocatalysis. <i>Scientific Reports</i> , 2015, 5, 8591.	3.3	235
4	Novel cyclodextrin-based adsorbents for removing pollutants from wastewater: A critical review. <i>Chemosphere</i> , 2020, 241, 125043.	8.2	190
5	Ultrathin g-C ₃ N ₄ nanosheet with hierarchical pores and desirable energy band for highly efficient H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118396.	20.2	183
6	Efficiently activate peroxymonosulfate by Fe ₃ O ₄ @MoS ₂ for rapid degradation of sulfonamides. <i>Chemical Engineering Journal</i> , 2021, 422, 130126.	12.7	177
7	Modulation of the Reduction Potential of TiO ₂ by Fluorination for Efficient and Selective CH ₄ Generation from CO ₂ Photoreduction. <i>Nano Letters</i> , 2018, 18, 3384-3390.	9.1	166
8	Polydopamine modified cyclodextrin polymer as efficient adsorbent for removing cationic dyes and Cu ²⁺ . <i>Journal of Hazardous Materials</i> , 2020, 389, 121897.	12.4	144
9	Well-designed Ag/ZnO/3D graphene structure for dye removal: Adsorption, photocatalysis and physical separation capabilities. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 66-78.	9.4	118
10	0D/2D plasmonic Cu ₂ -xS/g-C ₃ N ₄ nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118326.	20.2	100
11	Z-scheme photo-Fenton system for efficiency synchronous oxidation of organic contaminants and reduction of metal ions. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119365.	20.2	97
12	Enhanced removal of bisphenol A by cyclodextrin in photocatalytic systems: Degradation intermediates and toxicity evaluation. <i>Chinese Chemical Letters</i> , 2020, 31, 2623-2626.	9.0	84
13	Dramatic enhancement effects of L-cysteine on the degradation of sulfadiazine in Fe ³⁺ /CaO ₂ system. <i>Journal of Hazardous Materials</i> , 2020, 383, 121133.	12.4	76
14	Fe ₃ O ₄ /graphene aerogels: A stable and efficient persulfate activator for the rapid degradation of malachite green. <i>Chemosphere</i> , 2020, 251, 126402.	8.2	74
15	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. <i>Applied Surface Science</i> , 2021, 538, 147813.	6.1	67
16	Degradation of sulfanilamide by Fenton-like reaction and optimization using response surface methodology. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 334-340.	6.0	65
17	A facile approach to further improve the substitution of nitrogen into reduced TiO ₂ with an enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 66-73.	20.2	64
18	Enhanced photocatalytic activities of vacuum activated TiO ₂ catalysts with Ti ³⁺ and N co-doped. <i>Catalysis Today</i> , 2016, 266, 188-196.	4.4	61

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19	Adsorptive removal of PPCPs from aqueous solution using carbon-based composites: A review. <i>Chinese Chemical Letters</i> , 2022, 33, 3585-3593.	9.0	53
20	Cyclodextrin modified filter paper for removal of cationic dyes/Cu ions from aqueous solutions. <i>Water Science and Technology</i> , 2018, 78, 2553-2563.	2.5	51
21	Reduced {001}-TiO ₂ photocatalysts: noble-metal-free CO ₂ photoreduction for selective CH ₄ evolution. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13875-13881.	2.8	50
22	Graphene modified mesoporous titania single crystals with controlled and selective photoredox surfaces. <i>Chemical Communications</i> , 2016, 52, 1689-1692.	4.1	45
23	Enhanced activation of PMS by a novel Fenton-like composite Fe ₃ O ₄ /S-WO ₃ for rapid chloroxylenol degradation. <i>Chemical Engineering Journal</i> , 2022, 446, 137067.	12.7	44
24	Preparation of core-shell magnetic Fe ₃ O ₄ @SiO ₂ -dithiocarbamate nanoparticle and its application for the Ni ²⁺ , Cu ²⁺ removal. <i>Chinese Chemical Letters</i> , 2018, 29, 887-891.	9.0	40
25	In-situ production and activation of H ₂ O ₂ for enhanced degradation of roxarsone by FeS ₂ decorated resorcinol-formaldehyde resins. <i>Journal of Hazardous Materials</i> , 2022, 424, 127650.	12.4	38
26	A novel hollow-sphere cyclodextrin nanoreactor for the enhanced removal of bisphenol A under visible irradiation. <i>Journal of Hazardous Materials</i> , 2020, 384, 121267.	12.4	37
27	Accelerated photoelectron transmission by carboxymethyl β -cyclodextrin for organic contaminants removal: An alternative to noble metal catalyst. <i>Journal of Hazardous Materials</i> , 2020, 393, 122414.	12.4	30
28	Multifunctional Antibacterial Materials for the Control of Hazardous Microbes and Chemicals: A Review. <i>ACS ES&T Water</i> , 2021, 1, 479-497.	4.6	30
29	Zn-Assisted TiO ₂ Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17068-17076.	3.1	24
30	Hypoxia alleviates dexamethasone-induced inhibition of angiogenesis in cocultures of HUVECs and rBMSCs via HIF-1 α . <i>Stem Cell Research and Therapy</i> , 2020, 11, 343.	5.5	23
31	Vacuum activation-induced Ti ³⁺ and carbon co-doped TiO ₂ with enhanced solar light photo-catalytic activity. <i>Research on Chemical Intermediates</i> , 2016, 42, 4181-4189.	2.7	21
32	In situ strategy to prepare PDPB/SnO ₂ p-n heterojunction with a high photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 24064-24069.	3.6	20
33	Efficient removal of Salbutamol and Atenolol by an electronegative silanized β -cyclodextrin adsorbent. <i>Separation and Purification Technology</i> , 2022, 282, 120013.	7.9	20
34	A structural engineering-inspired CdS based composite for photocatalytic remediation of organic pollutant and hexavalent chromium. <i>Catalysis Today</i> , 2019, 335, 101-109.	4.4	19
35	Sulfur nanoparticles in situ growth on TiO ₂ mesoporous single crystals with enhanced solar light photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 77863-77869.	3.6	17
36	Efficient removal of roxarsone and emerging organic contaminants by a solar light-driven in-situ Fenton system. <i>Chemical Engineering Journal</i> , 2022, 435, 132434.	12.7	15

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37	Advanced Bi ₂ O _{2.7} /Bi ₂ Ti ₂ O ₇ composite film with enhanced visible-light-driven activity for the degradation of organic dyes. <i>Research on Chemical Intermediates</i> , 2018, 44, 4609-4618.	2.7	14
38	Enhanced photoreduction of Cr(VI) and photooxidation of NO over TiO ₂ mesoporous single crystals. <i>RSC Advances</i> , 2017, 7, 55927-55934.	3.6	9
39	Silver-Modified β -Cyclodextrin Polymer for Water Treatment: A Balanced Adsorption and Antibacterial Performance. <i>Water (Switzerland)</i> , 2021, 13, 3004.	2.7	9
40	Fluid shear stress and endothelial cells synergistically promote osteogenesis of mesenchymal stem cells via integrin β 1-FAK-ERK1/2 pathway. <i>Turkish Journal of Biology</i> , 2021, 45, 683-694.	0.8	7
41	Carbon-dot-modified TiO ₂ mesoporous single crystals with enhanced photocatalytic activity for degradation of phenol. <i>Research on Chemical Intermediates</i> , 2018, 44, 4797-4807.	2.7	6
42	A facile strategy to prepare Fe ³⁺ modified brookite TiO ₂ with high photocatalytic activity under ultraviolet light and visible light. <i>Research on Chemical Intermediates</i> , 2017, 43, 2055-2066.	2.7	5
43	Human umbilical cord-derived mesenchymal stem cells affect urea synthesis and the cell apoptosis of human induced hepatocytes by secreting IL-6 in a serum-free co-culture system. <i>Biotechnology Journal</i> , 2022, 17, e2100096.	3.5	4
44	Molybdenum oxide nanorods decorated with molybdenum phosphide quantum dots for efficient photocatalytic degradation of rhodamine B and norfloxacin. <i>Research on Chemical Intermediates</i> , 2022, 48, 2887-2901.	2.7	4
45	Efficient Oxidation of Paracetamol Triggered by Molecular Oxygen Activation at β -Cyclodextrin Modified Titanate Nanotube. <i>Chemistry - an Asian Journal</i> , 2022, , .	3.3	3
46	Osteogenically differentiated mesenchymal stem cells promote the apoptosis of human umbilical vein endothelial cells in vitro. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	3.1	1