Yi Zhou

List of Publications by Year in descending order

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46	4,010	186265	223800
papers	citations	28 h-index	46 g-index

46	46	46	4464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human umbilical cordâ€derived mesenchymal stem cells affect urea synthesis and the cell apoptosis of human induced hepatocytes by secreting ILâ€6 in a serumâ€free coâ€culture system. Biotechnology Journal, 2022, 17, e2100096.	3.5	4
2	Adsorptive removal of PPCPs from aqueous solution using carbon-based composites: A review. Chinese Chemical Letters, 2022, 33, 3585-3593.	9.0	53
3	Efficient removal of roxarsone and emerging organic contaminants by a solar light-driven in-situ Fenton system. Chemical Engineering Journal, 2022, 435, 132434.	12.7	15
4	In-situ production and activation of H2O2 for enhanced degradation of roxarsone by FeS2 decorated resorcinol-formaldehyde resins. Journal of Hazardous Materials, 2022, 424, 127650.	12.4	38
5	Efficient removal of Salbutamol and Atenolol by an electronegative silanized Î²-cyclodextrin adsorbent. Separation and Purification Technology, 2022, 282, 120013.	7.9	20
6	Efficient Oxidation of Paracetamol Triggered by Molecularâ€oxygen Activation at Î²â€cyclodextrin Modified Titanate Nanotube. Chemistry - an Asian Journal, 2022, , .	3.3	3
7	Molybdenum oxide nanorods decorated with molybdenum phosphide quantum dots for efficient photocatalytic degradation of rhodamine B and norfloxacin. Research on Chemical Intermediates, 2022, 48, 2887-2901.	2.7	4
8	Enhanced activation of PMS by a novel Fenton-like composite Fe3O4/S-WO3 for rapid chloroxylenol degradation. Chemical Engineering Journal, 2022, 446, 137067.	12.7	44
9	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. Applied Surface Science, 2021, 538, 147813.	6.1	67
10	Multifunctional Antibacterial Materials for the Control of Hazardous Microbes and Chemicals: A Review. ACS ES&T Water, 2021, 1, 479-497.	4.6	30
11	Efficiently activate peroxymonosulfate by Fe3O4@MoS2 for rapid degradation of sulfonamides. Chemical Engineering Journal, 2021, 422, 130126.	12.7	177
12	Osteogenically differentiated mesenchymal stem cells promote the apoptosis of human umbilical vein endothelial cells in vitro. Biotechnology and Applied Biochemistry, 2021, , .	3.1	1
13	Silver-Modified Î²-Cyclodextrin Polymer for Water Treatment: A Balanced Adsorption and Antibacterial Performance. Water (Switzerland), 2021, 13, 3004.	2.7	9
14	Fluid shear stress and endothelial cells synergistically promote osteogenesis of mesenchymal stem cells via integrin Î²1-FAK-ERK1/2 pathway. Turkish Journal of Biology, 2021, 45, 683-694.	0.8	7
15	Dramatic enhancement effects of l-cysteine on the degradation of sulfadiazine in Fe3+/CaO2 system. Journal of Hazardous Materials, 2020, 383, 121133.	12.4	76
16	Novel cyclodextrin-based adsorbents for removing pollutants from wastewater: A critical review. Chemosphere, 2020, 241, 125043.	8.2	190
17	0D/2D plasmonic Cu2-xS/g-C3N4 nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. Applied Catalysis B: Environmental, 2020, 263, 118326.	20.2	100
18	A novel hollow-sphere cyclodextrin nanoreactor for the enhanced removal of bisphenol A under visible irradiation. Journal of Hazardous Materials, 2020, 384, 121267.	12.4	37

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19	Ultrathin g-C3N4 nanosheet with hierarchical pores and desirable energy band for highly efficient H2O2 production. Applied Catalysis B: Environmental, 2020, 267, 118396.	20.2	183
20	Polydopamine modified cyclodextrin polymer as efficient adsorbent for removing cationic dyes and Cu2+. Journal of Hazardous Materials, 2020, 389, 121897.	12.4	144
21	Hypoxia alleviates dexamethasone-induced inhibition of angiogenesis in cocultures of HUVECs and rBMSCs via HIF-1Î±. Stem Cell Research and Therapy, 2020, 11, 343.	5.5	23
22	Z-scheme photo-Fenton system for efficiency synchronous oxidation of organic contaminants and reduction of metal ions. Applied Catalysis B: Environmental, 2020, 279, 119365.	20.2	97
23	Fe3O4/graphene aerogels: A stable and efficient persulfate activator for the rapid degradation of malachite green. Chemosphere, 2020, 251, 126402.	8.2	74
24	Accelerated photoelectron transmission by carboxymethyl Î²-cyclodextrin for organic contaminants removal: An alternative to noble metal catalyst. Journal of Hazardous Materials, 2020, 393, 122414.	12.4	30
25	Enhanced removal of bisphenol A by cyclodextrin in photocatalytic systems: Degradation intermediates and toxicity evaluation. Chinese Chemical Letters, 2020, 31, 2623-2626.	9.0	84
26	Degradation of sulfanilamide by Fenton-like reaction and optimization using response surface methodology. Ecotoxicology and Environmental Safety, 2019, 172, 334-340.	6.0	65
27	Recent advances for dyes removal using novel adsorbents: A review. Environmental Pollution, 2019, 252, 352-365.	7.5	791
28	Well-designed Ag/ZnO/3D graphene structure for dye removal: Adsorption, photocatalysis and physical separation capabilities. Journal of Colloid and Interface Science, 2019, 537, 66-78.	9.4	118
29	A structural engineering-inspired CdS based composite for photocatalytic remediation of organic pollutant and hexavalent chromium. Catalysis Today, 2019, 335, 101-109.	4.4	19
30	Advanced Bi2O2.7/Bi2Ti2O7 composite film with enhanced visible-light-driven activity for the degradation of organic dyes. Research on Chemical Intermediates, 2018, 44, 4609-4618.	2.7	14
31	Carbon-dot-modified TiO2â^'x mesoporous single crystals with enhanced photocatalytic activity for degradation of phenol. Research on Chemical Intermediates, 2018, 44, 4797-4807.	2.7	6
32	Modulation of the Reduction Potential of TiO_{2â€“x} by Fluorination for Efficient and Selective CH₄ Generation from CO₂ Photoreduction. Nano Letters, 2018, 18, 3384-3390.	9.1	166
33	Metal Sulfides as Excellent Co-catalysts for H2O2 Decomposition in Advanced Oxidation Processes. CheM, 2018, 4, 1359-1372.	11.7	679
34	Preparation of core-shell magnetic Fe3O4@SiO2-dithiocarbamate nanoparticle and its application for the Ni2+, Cu2+ removal. Chinese Chemical Letters, 2018, 29, 887-891.	9.0	40
35	Cyclodextrin modified filter paper for removal of cationic dyes/Cu ions from aqueous solutions. Water Science and Technology, 2018, 78, 2553-2563.	2.5	51
36	Reduced {001}-TiO_{2â^'x} photocatalysts: noble-metal-free CO₂ photoreduction for selective CH₄ evolution. Physical Chemistry Chemical Physics, 2017, 19, 13875-13881.	2.8	50

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37	A facile strategy to prepare Fe3+ modified brookite TiO2 with high photocatalytic activity under ultraviolet light and visible light. Research on Chemical Intermediates, 2017, 43, 2055-2066.	2.7	5
38	In situ strategy to prepare PDPB/SnO₂ pâ€“n heterojunction with a high photocatalytic activity. RSC Advances, 2017, 7, 24064-24069.	3.6	20
39	Zn-Assisted TiO_{2â€“x} Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. Journal of Physical Chemistry C, 2017, 121, 17068-17076.	3.1	24
40	Enhanced photoreduction of Cr(<scp>vi</scp>) and photooxidation of NO over TiO_{2âˆ’x} mesoporous single crystals. RSC Advances, 2017, 7, 55927-55934.	3.6	9
41	Sulfur nanoparticles in situ growth on TiO₂ mesoporous single crystals with enhanced solar light photocatalytic performance. RSC Advances, 2016, 6, 77863-77869.	3.6	17
42	Graphene modified mesoporous titania single crystals with controlled and selective photoredox surfaces. Chemical Communications, 2016, 52, 1689-1692.	4.1	45
43	Enhanced photocatalytic activities of vacuum activated TiO2 catalysts with Ti3+ and N co-doped. Catalysis Today, 2016, 266, 188-196.	4.4	61
44	Vacuum activation-induced Ti3+ and carbon co-doped TiO2 with enhanced solar light photo-catalytic activity. Research on Chemical Intermediates, 2016, 42, 4181-4189.	2.7	21
45	A facile approach to further improve the substitution of nitrogen into reduced TiO2âˆ’ with an enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2015, 170-171, 66-73.	20.2	64
46	Facile synthesis of the Ti3+ self-doped TiO2-graphene nanosheet composites with enhanced photocatalysis. Scientific Reports, 2015, 5, 8591.	3.3	235