Zexiao Zheng

List of Publications by Year
in descending order

14	474	758635 12	1058022 14
papers	citations	h-index	g-index

14	14	14	338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superoxide radicals dominated visible light driven peroxymonosulfate activation using molybdenum selenide (MoSe2) for boosting catalytic degradation of pharmaceuticals and personal care products. Applied Catalysis B: Environmental, 2021, 296, 120223.	10.8	78
2	Ternary CdS-MoS2 coated ZnO nanobrush photoelectrode for one-dimensional acceleration of charge separation upon visible light illumination. Chemical Engineering Journal, 2019, 368, 448-458.	6.6	54
3	Visible-light-driven photoelectrocatalytic activation of chloride by nanoporous MoS2@BiVO4 photoanode for enhanced degradation of bisphenol A. Chemosphere, 2021, 263, 128279.	4.2	53
4	Different responses of gram-negative and gram-positive bacteria to photocatalytic disinfection using solar-light-driven magnetic TiO2-based material, and disinfection of real sewage. Water Research, 2021, 207, 117816.	5.3	40
5	Photoelectrocatalytic degradation of amoxicillin overÂquaternary ZnO/ZnSe/CdSe/MoS2 hierarchical nanorods. International Journal of Hydrogen Energy, 2019, 44, 20826-20838.	3.8	37
6	MoS2 decorated CdS hybrid heterojunction for enhanced photoelectrocatalytic performance under visible light irradiation. Journal of Colloid and Interface Science, 2019, 533, 561-568.	5.0	35
7	N-doped graphitic C3N4 nanosheets decorated with CoP nanoparticles: A highly efficient activator in singlet oxygen dominated visible-light-driven peroxymonosulfate activation for degradation of pharmaceuticals and personal care products. Journal of Hazardous Materials, 2021, 416, 125891.	6.5	34
8	Fabrication of MoS2@BL-BiVO4 photoanode with promoted charge separation for photoelectrochemical sewage treatment to simultaneously degrade PPCPs, disinfect E. coli, and produce H2: Performance, mechanisms, and influence factors. Applied Catalysis B: Environmental, 2021, 299, 120636.	10.8	33
9	Photoelectrochemical sewage treatment by sulfite activation over an optimized BiVO4 photoanode to simultaneously promote PPCPs degradation, H2 evolution and E. coli disinfection. Chemical Engineering Journal, 2021, 419, 129418.	6.6	31
10	Visible-light-driven peroxymonosulfate activation in photo-electrocatalytic system using hollow-structured Pt@CeO2@MoS2 photoanode for the degradation of pharmaceuticals and personal care products. Environment International, 2021, 154, 106572.	4.8	23
11	Validation of pilot-scale phosphate polishing removal from surface water by lanthanum-based polymeric nanocomposite. Chemical Engineering Journal, 2021, 412, 128630.	6.6	22
12	Scaled-up development of magnetically recyclable Fe3O4/La(OH)3 composite for river water phosphate removal: From bench-scale to pilot-scale study. Science of the Total Environment, 2021, 791, 148281.	3.9	15
13	Enhanced photoelectrocatalytic degradation of tetrabromobisphenol a from tip-decorated ZnO nanorod electrode with Bi2S3 nanoparticles. Materials Science in Semiconductor Processing, 2021, 128, 105724.	1.9	14
14	Multifunctional photoelectrochemical systems for coupled water treatment and high-value product generation: current status, mechanisms, remaining challenges, and future opportunities. Current Opinion in Chemical Engineering, 2021, 34, 100711.	3.8	5