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	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
2	Validation of pilot-scale phosphate polishing removal from surface water by lanthanum-based polymeric nanocomposite. Chemical Engineering Journal, 2021, 412, 128630.	6.6	22
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Photoelectrocatalytic degradation of amoxicillin overÂquaternary ZnO/ZnSe/CdSe/MoS2 hierarchical nanorods. International Journal of Hydrogen Energy, 2019, 44, 20826-20838.	3.8	37
13	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
14	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