Zhepei Gu

List of Publications by Year
in descending order

21 papers	1,139 citations	516215 16 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	663 citing authors

#	Article	IF	Citations
1	Preparation of biochar and biochar composites and their application in a Fenton-like process for wastewater decontamination: A review. Science of the Total Environment, 2021, 754, 142104.	3.9	235
2	Degradation of refractory organic contaminants in membrane concentrates from landfill leachate by a combined coagulation-ozonation process. Chemosphere, 2019, 217, 411-422.	4.2	128
3	Enhanced degradation of refractory organics in concentrated landfill leachate by Fe0/H2O2 coupled with microwave irradiation. Chemical Engineering Journal, 2018, 354, 680-691.	6.6	125
4	Application of membrane separation technology in the treatment of leachate in China: A review. Waste Management, 2021, 121, 127-140.	3.7	118
5	A review of the characteristics of Fenton and ozonation systems in landfill leachate treatment. Science of the Total Environment, 2021, 762, 143131.	3.9	110
6	Kinetics study of dinitrodiazophenol industrial wastewater treatment by a microwave-coupled ferrous-activated persulfate process. Chemosphere, 2019, 215, 82-91.	4.2	48
7	A pilot-scale comparative study of bioreactor landfills for leachate decontamination and municipal solid waste stabilization. Waste Management, 2020, 103, 113-121.	3.7	46
8	Microbial characteristics of the leachate contaminated soil of an informal landfill site. Chemosphere, 2022, 287, 132155.	4.2	42
9	Molecular-level insights into the transformation mechanism for refractory organics in landfill leachate when using a combined semi-aerobic aged refuse biofilter and chemical oxidation process. Science of the Total Environment, 2020, 741, 140502.	3.9	38
10	Molecular insights into the transformation of refractory organic matter in landfill leachate nanofiltration concentrates during a flocculation and O3/H2O2 treatment. Journal of Hazardous Materials, 2022, 435, 128973.	6.5	38
11	Microwave-assisted Fe0-activated persulfate process for treating explosives in production wastewater. Chemical Engineering Journal, 2020, 391, 123497.	6.6	37
12	Microwave irradiation activated persulfate and hydrogen peroxide for the treatment of mature landfill leachate effluent from a membrane bioreactor. Separation and Purification Technology, 2020, 250, 117111.	3.9	34
13	The molecular differences of young and mature landfill leachates: Molecular composition, chemical property, and structural characteristic. Chemosphere, 2022, 287, 132215.	4.2	27
14	Comparison study on microwave irradiation-activated persulfate and hydrogen peroxide systems in the treatment of dinitrodiazophenol industrial wastewater. Chemosphere, 2020, 242, 125139.	4.2	23
15	Improved oxidation of refractory organics in concentrated leachate by a Fe2+-enhanced O3/H2O2 process. Environmental Science and Pollution Research, 2019, 26, 35797-35806.	2.7	21
16	Recovery of efficient treatment performance in a semi-aerobic aged refuse biofilter when treating landfill leachate: Washing action using domestic sewage. Chemosphere, 2020, 245, 125618.	4.2	16
17	Novel strategy for controlling colloidal instability during the flocculation pretreatment of landfill leachate. Chemosphere, 2022, 287, 132051.	4.2	15
18	Transformation and degradation of recalcitrant organic matter in membrane bioreactor leachate effluent by the O₃/H₂O₂process. Environmental Science: Water Research and Technology, 2019, 5, 1748-1757.	1.2	13

#	Article	IF	Citations
19	Degradation of leachate from a semi-anaerobic aged refuse biofilter by the ZVI/H2O2 process coupled with microwave irradiation: optimization, organics transformation, and reaction mechanisms. Environmental Science: Water Research and Technology, 2018, 4, 1695-1709.	1.2	11
20	Microbial community response of the fullâ€scale MBR system for mixed leachates treatment. Water Environment Research, 2022, 94, e1677.	1.3	9
21	Dinitrodiazophenol industrial wastewater treatment by a sequential ozone Fenton process. Environmental Science and Pollution Research, 2019, 26, 32666-32671.	2.7	5