

# Zhepei Gu

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,139  
citations

516561

16  
h-index

713332

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

663  
citing authors

#	ARTICLE	IF	CITATIONS
1	The molecular differences of young and mature landfill leachates: Molecular composition, chemical property, and structural characteristic. <i>Chemosphere</i> , 2022, 287, 132215.	4.2	27
2	Novel strategy for controlling colloidal instability during the flocculation pretreatment of landfill leachate. <i>Chemosphere</i> , 2022, 287, 132051.	4.2	15
3	Microbial characteristics of the leachate contaminated soil of an informal landfill site. <i>Chemosphere</i> , 2022, 287, 132155.	4.2	42
4	Microbial community response of the full-scale MBR system for mixed leachates treatment. <i>Water Environment Research</i> , 2022, 94, e1677.	1.3	9
5	Molecular insights into the transformation of refractory organic matter in landfill leachate nanofiltration concentrates during a flocculation and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> treatment. <i>Journal of Hazardous Materials</i> , 2022, 435, 128973.	6.5	38
6	A review of the characteristics of Fenton and ozonation systems in landfill leachate treatment. <i>Science of the Total Environment</i> , 2021, 762, 143131.	3.9	110
7	Preparation of biochar and biochar composites and their application in a Fenton-like process for wastewater decontamination: A review. <i>Science of the Total Environment</i> , 2021, 754, 142104.	3.9	235
8	Application of membrane separation technology in the treatment of leachate in China: A review. <i>Waste Management</i> , 2021, 121, 127-140.	3.7	118
9	Comparison study on microwave irradiation-activated persulfate and hydrogen peroxide systems in the treatment of dinitrodiazophenol industrial wastewater. <i>Chemosphere</i> , 2020, 242, 125139.	4.2	23
10	Recovery of efficient treatment performance in a semi-aerobic aged refuse biofilter when treating landfill leachate: Washing action using domestic sewage. <i>Chemosphere</i> , 2020, 245, 125618.	4.2	16
11	A pilot-scale comparative study of bioreactor landfills for leachate decontamination and municipal solid waste stabilization. <i>Waste Management</i> , 2020, 103, 113-121.	3.7	46
12	Microwave-assisted FeO-activated persulfate process for treating explosives in production wastewater. <i>Chemical Engineering Journal</i> , 2020, 391, 123497.	6.6	37
13	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. <i>Science of the Total Environment</i> , 2020, 741, 140502.	3.9	38
14	Microwave irradiation activated persulfate and hydrogen peroxide for the treatment of mature landfill leachate effluent from a membrane bioreactor. <i>Separation and Purification Technology</i> , 2020, 250, 117111.	3.9	34
15	Transformation and degradation of recalcitrant organic matter in membrane bioreactor leachate effluent by the O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> process. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1748-1757.	1.2	13
16	Improved oxidation of refractory organics in concentrated leachate by a Fe <sup>2+</sup> -enhanced O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> process. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35797-35806.	2.7	21
17	Dinitrodiazophenol industrial wastewater treatment by a sequential ozone Fenton process. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32666-32671.	2.7	5
18	Degradation of refractory organic contaminants in membrane concentrates from landfill leachate by a combined coagulation-ozonation process. <i>Chemosphere</i> , 2019, 217, 411-422.	4.2	128

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19	Kinetics study of dinitrodiazophenol industrial wastewater treatment by a microwave-coupled ferrous-activated persulfate process. <i>Chemosphere</i> , 2019, 215, 82-91.	4.2	48
20	Degradation of leachate from a semi-anaerobic aged refuse biofilter by the ZVI/H <sub>2</sub> O <sub>2</sub> process coupled with microwave irradiation: optimization, organics transformation, and reaction mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1695-1709.	1.2	11
21	Enhanced degradation of refractory organics in concentrated landfill leachate by Fe <sup>0</sup> /H <sub>2</sub> O <sub>2</sub> coupled with microwave irradiation. <i>Chemical Engineering Journal</i> , 2018, 354, 680-691.	6.6	125