

Tianlong Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,018
citations

430754

18
h-index

454834

30
g-index

46
all docs

46
docs citations

46
times ranked

1108
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbubble enhanced ozonation process for advanced treatment of wastewater produced in acrylic fiber manufacturing industry. <i>Journal of Hazardous Materials</i> , 2015, 287, 412-420.	6.5	107
2	Remediation of wastewater contaminated by antibiotics. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 345-360.	8.3	73
3	Current status and future prospects of sewer biofilms: Their structure, influencing factors, and substance transformations. <i>Science of the Total Environment</i> , 2019, 695, 133815.	3.9	67
4	Review of global sanitation development. <i>Environment International</i> , 2018, 120, 246-261.	4.8	61
5	A bibliometric analysis of industrial wastewater research: current trends and future prospects. <i>Scientometrics</i> , 2015, 105, 863-882.	1.6	60
6	Global trends and future prospects of food waste research: a bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24600-24610.	2.7	54
7	A bibliometric analysis of micro/nano-bubble related research: current trends, present application, and future prospects. <i>Scientometrics</i> , 2016, 109, 53-71.	1.6	41
8	A bibliometric analysis of biodiesel research during 1991–2015. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 10-18.	1.6	38
9	Research trends in electrochemical technology for water and wastewater treatment. <i>Applied Water Science</i> , 2017, 7, 13-30.	2.8	37
10	Advanced treatment of wet-spun acrylic fiber manufacturing wastewater using three-dimensional electrochemical oxidation. <i>Journal of Environmental Sciences</i> , 2016, 50, 21-31.	3.2	36
11	Factors impacting the performance and microbial populations of three biofilters for co-treatment of H ₂ S and NH ₃ in a domestic waste landfill site. <i>Chemical Engineering Research and Design</i> , 2021, 149, 410-421.	2.7	35
12	Enhanced visible-light-driven photocatalytic disinfection using AgBr-modified g-C ₃ N ₄ composite and its mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 170-179.	2.5	33
13	Efficient photocatalytic disinfection of <i>Escherichia coli</i> by N-doped TiO ₂ coated on coal fly ash cenospheres. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 355-364.	2.0	29
14	Advanced treatment of acrylic fiber manufacturing wastewater with a combined microbubble-ozonation/ultraviolet irradiation process. <i>RSC Advances</i> , 2015, 5, 77601-77609.	1.7	21
15	Characteristics of microbial aerosol particles dispersed downwind from rural sanitation facilities: Size distribution, source tracking and exposure risk. <i>Environmental Research</i> , 2021, 195, 110798.	3.7	20
16	Pilot-scale multi-level biological contact oxidation system on the treatment of high concentration poultry manure wastewater. <i>Chemical Engineering Research and Design</i> , 2018, 120, 187-194.	2.7	19
17	How to allocate discharge permits more fairly in China? A new perspective from watershed and regional allocation comparison on socio-natural equality. <i>Science of the Total Environment</i> , 2019, 684, 390-401.	3.9	19
18	Benchmarking the scientific research on wastewater-energy nexus by using bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27613-27630.	2.7	18

#	ARTICLE	IF	CITATIONS
19	An appropriate technique for treating rural wastewater by a flow step feed system driven by wind-solar hybrid power. <i>Environmental Research</i> , 2020, 187, 109651.	3.7	18
20	An enhanced rural anoxic/oxic biological contact oxidation process with air-lift reflux technique to strengthen total nitrogen removal and reduce sludge generation. <i>Journal of Cleaner Production</i> , 2022, 348, 131371.	4.6	18
21	Characteristics of sewer biofilms in aerobic rural small diameter gravity sewers. <i>Journal of Environmental Sciences</i> , 2020, 90, 1-9.	3.2	17
22	The way forward confronting eco-environmental challenges during land-use practices: a bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28296-28311.	2.7	15
23	Characterization, factors, and UV reduction of airborne bacteria in a rural wastewater treatment station. <i>Science of the Total Environment</i> , 2021, 751, 141811.	3.9	15
24	State of the art on granular sludge by using bibliometric analysis. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3453-3473.	1.7	14
25	Pilot-scale experiments on multilevel contact oxidation treatment of poultry farm wastewater using saran lock carriers under different operation model. <i>Journal of Environmental Sciences</i> , 2019, 77, 336-345.	3.2	14
26	Sewers induce changes in the chemical characteristics, bacterial communities, and pathogen distribution of sewage and greywater. <i>Environmental Research</i> , 2020, 187, 109628.	3.7	14
27	Responses of ammonia-oxidizing bacteria community composition to temporal changes in physicochemical parameters during food waste composting. <i>RSC Advances</i> , 2016, 6, 9541-9548.	1.7	13
28	Greywater: Understanding biofilm bacteria succession, pollutant removal and low sulfide generation in small diameter gravity sewers. <i>Journal of Cleaner Production</i> , 2020, 268, 122426.	4.6	13
29	Microwave regeneration of spent activated carbon for the treatment of ester-containing wastewater. <i>RSC Advances</i> , 2016, 6, 60815-60825.	1.7	10
30	Treatment of real high-concentration dyeing wastewater using a coagulation-hydrolysis acidification-multilevel contact oxidation system. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 339-345.	1.3	9
31	Wastewater-nitrogen removal using polylactic acid/starch as carbon source: Optimization of operating parameters using response surface methodology. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	9
32	Fungi characteristics of biofilms from sewage and greywater in small diameter gravity sewers. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 532-539.	1.2	8
33	Biofilm development in a pilot-scale gravity sewer: Physical characteristics, microstructure, and microbial communities. <i>Environmental Research</i> , 2021, 195, 110838.	3.7	8
34	A Bibliometric Review of Research Trends on Bioelectrochemical Systems. <i>Current Science</i> , 2015, 109, 2204.	0.4	8
35	Separation of Pollutants from Oil-Containing Restaurant Wastewater by Novel Microbubble Air Flotation and Traditional Dissolved Air Flotation. <i>Separation Science and Technology</i> , 0, , 150707113117003.	1.3	7
36	Time-based succession existed in rural sewer biofilms: Bacterial communities, sulfate-reducing bacteria and methanogenic archaea, and sulfide and methane generation. <i>Science of the Total Environment</i> , 2021, 765, 144397.	3.9	7

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37	Analysis of suitable private-secondary-main sewer diameters in rural areas based on cost model and hydraulic calculation. <i>Journal of Environmental Management</i> , 2021, 281, 111925.	3.8	6
38	Efficiency and Cost of Bioecological Rural Wastewater Treatment Powered Almost by Wind and Solar. <i>ACS ES&T Water</i> , 2021, 1, 562-572.	2.3	6
39	Pilot-scale experiments on brewery wastewater treatment and sludge reduction based on food chain predation. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	4
40	Biodegradation of sulfite in flue gas absorbent by using a biotrickling filter at anaerobic condition. <i>Chemical Engineering Research and Design</i> , 2015, 98, 399-405.	2.7	4
41	Influences of flow conditions on bacterial communities in sewage and greywater small diameter gravity sewer biofilms. <i>Environmental Research</i> , 2020, 183, 109289.	3.7	4
42	Multilevel contact oxidation treatment of brewery wastewater using spiral biological carriers and their nitrogen removal mechanism. <i>International Journal of Environmental Technology and Management</i> , 2015, 18, 30.	0.1	3
43	Removal of tetracycline-resistant <i>Escherichia coli</i> and its genes through ultrasound treatment combined with ultraviolet light emitting diodes. <i>Environmental Research</i> , 2021, 197, 111007.	3.7	3
44	Truck-Wash Wastewater in Three-Stage Sedimentation Basins on Construction Sites: Wastewater Characteristics, Bacterial Communities, and Pathogenic Bacteria Distribution. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	2
45	Desulfurization performance of biotrickling filter on the removal of flue gas adsorbent produced by dual-alkali flue gas desulfurization process. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 28-38.	1.2	1
46	Performance and mechanism of anaerobic biotrickling filter for removal of sulfite, sulfate, and hydrosulfite. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 528-534.	1.2	0