Lin Li

List of Publications by Year
in descending order

69	2,099	218677	265206
papers	citations	26 h-index	42 g-index

70	70	70	1959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface modification of coconut shell based activated carbon for the improvement of hydrophobic VOC removal. Journal of Hazardous Materials, 2011, 192, 683-690.	12.4	293
2	Airborne bacteria in a wastewater treatment plant: Emission characterization, source analysis and health risk assessment. Water Research, 2019, 149, 596-606.	11.3	132
3	Stepwise pH control to promote synergy of chemical and biological processes for augmenting short-chain fatty acid production from anaerobic sludge fermentation. Water Research, 2019, 155, 193-203.	11.3	92
4	Bacterial population and chemicals in bioaerosols from indoor environment: Sludge dewatering houses in nine municipal wastewater treatment plants. Science of the Total Environment, 2018, 618, 469-478.	8.0	75
5	Bioaerosols emission and exposure risk of a wastewater treatment plant with A2O treatment process. Ecotoxicology and Environmental Safety, 2019, 169, 161-168.	6.0	73
6	Micro-environment characteristics and microbial communities in activated sludge flocs of different particle size. Bioresource Technology, 2012, 124, 252-258.	9.6	61
7	Distribution characterization of microbial aerosols emitted from a wastewater treatment plant using the Orbal oxidation ditch process. Process Biochemistry, 2011, 46, 910-915.	3.7	59
8	Clinical features and antimicrobial resistance profiles of important Enterobacteriaceae pathogens in Guangzhou representative of Southern China, 2001â€“2015. Microbial Pathogenesis, 2017, 107, 206-211.	2.9	52
9	The identification, health risks and olfactory effects assessment of VOCs released from the wastewater storage tank in a pesticide plant. Ecotoxicology and Environmental Safety, 2019, 184, 109665.	6.0	49
10	Composition, dispersion, and health risks of bioaerosols in wastewater treatment plants: A review. Frontiers of Environmental Science and Engineering, 2020, 15, 1.	6.0	47
11	Intestinal bacteria in bioaerosols and factors affecting their survival in two oxidation ditch process municipal wastewater treatment plants located in different regions. Ecotoxicology and Environmental Safety, 2018, 154, 162-170.	6.0	45
12	Characteristics and interactions of bioaerosol microorganisms from wastewater treatment plants. Journal of Hazardous Materials, 2020, 391, 122256.	12.4	42
13	Site-related and seasonal variation of bioaerosol emission in an indoor wastewater treatment station: level, characteristics of particle size, and microbial structure. Aerobiologia, 2016, 32, 211-224.	1.7	36
14	Effects of aeration on microbes and intestinal bacteria in bioaerosols from the BRT of an indoor wastewater treatment facility. Science of the Total Environment, 2019, 648, 1453-1461.	8.0	35
15	Effect of aeration mode on aerosol characteristics from the same wastewater treatment plant. Water Research, 2020, 170, 115324.	11.3	35
16	Factors impacting the performance and microbial populations of three biofilters for co-treatment of H2S and NH3 in a domestic waste landfill site. Chemical Engineering Research and Design, 2021, 149, 410-421.	5.6	35
17	Biological technologies for the removal of sulfur containing compounds from waste streams: bioreactors and microbial characteristics. World Journal of Microbiology and Biotechnology, 2015, 31, 1501-1515.	3.6	34
18	H2S removal and bacterial structure along a full-scale biofilter bed packed with polyurethane foam in a landfill site. Bioresource Technology, 2013, 147, 52-58.	9.6	33

#	Article	IF	Citations
19	Trace volatile compounds in the air of domestic waste landfill site: Identification, olfactory effect and cancer risk. Chemosphere, 2021, 272, 129582.	8.2	33
20	An innovative integrated system utilizing solar energy as power for the treatment of decentralized wastewater. Journal of Environmental Sciences, 2013, 25, 274-279.	6.1	32
21	Aerosols from a wastewater treatment plant using oxidation ditch process: Characteristics, source apportionment, and exposure risks. Environmental Pollution, 2019, 250, 627-638.	7.5	32
22	Auxiliary voltage enhanced microbial methane oxidation co-driven by nitrite and sulfate reduction. Chemosphere, 2020, 250, 126259.	8.2	32
23	Characterization of the airborne bacteria community at different distances from the rotating brushes in a wastewater treatment plant by 16S rRNA gene clone libraries. Journal of Environmental Sciences, 2013, 25, 5-15.	6.1	29
24	Removal of Methyl Parathion from Artificial Off-Gas Using a Bioreactor Containing a Constructed Microbial Consortium. Environmental Science & Technology, 2008, 42, 2136-2141.	10.0	27
25	Reduction and characterization of bioaerosols in a wastewater treatment station via ventilation. Journal of Environmental Sciences, 2014, 26, 1575-1583.	6.1	27
26	Microbial structure and chemical components of aerosols caused by rotating brushes in a wastewater treatment plant. Environmental Science and Pollution Research, 2012, 19, 4097-4108.	5.3	26
27	Assessing genetic structure, diversity of bacterial aerosol from aeration system in an oxidation ditch wastewater treatment plant by culture methods and bio-molecular tools. Environmental Monitoring and Assessment, 2013, 185, 603-613.	2.7	26
28	Characteristics and formation mechanism of intestinal bacteria particles emitted from aerated wastewater treatment tanks. Water Research, 2019, 163, 114862.	11.3	26
29	Characterization and source analysis of indoor/outdoor culturable airborne bacteria in a municipal wastewater treatment plant. Journal of Environmental Sciences, 2018, 74, 71-78.	6.1	25
30	Chemicals and microbes in bioaerosols from reaction tanks of six wastewater treatment plants: survival factors, generation sources, and mechanisms. Scientific Reports, 2018, 8, 9362.	3.3	25
31	Biofilters for the co-treatment of volatile organic compounds and odors in a domestic waste landfill site. Journal of Cleaner Production, 2020, 277, 124012.	9.3	25
32	Thermophilic biofilter for SO2 removal: Performance and microbial characteristics. Bioresource Technology, 2015, 180, 106-111.	9.6	24
33	Emission, dispersion, and potential risk of volatile organic and odorous compounds in the exhaust gas from two sludge thermal drying processes. Waste Management, 2022, 138, 116-124.	7.4	24
34	Performance of two biofilters with neutral and low pH treating off-gases. Journal of Environmental Sciences, 2008, 20, 1409-1414.	6.1	22
35	Sulfur dioxide and o -xylene co-treatment in biofilter: Performance, bacterial populations and bioaerosols emissions. Journal of Environmental Sciences, 2018, 69, 41-51.	6.1	21
36	Removal of airborne microorganisms emitted from a wastewater treatment oxidation ditch by adsorption on activated carbon. Journal of Environmental Sciences, 2011, 23, 711-717.	6.1	20

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37	Characteristics of microbial aerosol particles dispersed downwind from rural sanitation facilities: Size distribution, source tracking and exposure risk. Environmental Research, 2021, 195, 110798.	7.5	20
38	Characteristics of submicron aerosols produced during aeration in wastewater treatment. Science of the Total Environment, 2019, 696, 134019.	8.0	19
39	Dispersion, olfactory effect, and health risks of VOCs and odors in a rural domestic waste transfer station. Environmental Research, 2022, 209, 112879.	7.5	19
40	Characteristics and exposure risks of potential pathogens and toxic metal(loid)s in aerosols from wastewater treatment plants. Ecotoxicology and Environmental Safety, 2019, 183, 109543.	6.0	18
41	An appropriate technique for treating rural wastewater by a flow step feed system driven by wind-solar hybrid power. Environmental Research, 2020, 187, 109651.	7.5	18
42	Simultaneous removal of hydrogen sulfide and toluene in a bioreactor: Performance and characteristics of microbial community. Journal of Environmental Sciences, 2011, 23, 353-359.	6.1	17
43	Anaerobic oxidation of methane coupled to sulfate reduction: Consortium characteristics and application in co-removal of H2S and methane. Journal of Environmental Sciences, 2019, 76, 238-248.	6.1	17
44	A fullâ€scale thermophilic biofilter in the treatment of sludge drying exhaust: performance, microbial characteristics and bioaerosol emission. Journal of Chemical Technology and Biotechnology, 2018, 93, 2216-2225.	3.2	16
45	Effects of irrigation and water content of packing materials on a thermophilic biofilter for SO2 removal: Performance, oxygen distribution and microbial population. Biochemical Engineering Journal, 2017, 118, 105-112.	3.6	15
46	Characterization, factors, and UV reduction of airborne bacteria in a rural wastewater treatment station. Science of the Total Environment, 2021, 751, 141811.	8.0	15
47	Investigation of the effects of temperature and sludge characteristics on odors and VOC emissions during the drying process of sewage sludge. Water Science and Technology, 2015, 72, 543-552.	2.5	14
48	Effects of substrate fluctuation on the performance, microbial community and metabolic function of a biofilter for gaseous dichloromethane treatment. Chemosphere, 2020, 249, 126185.	8.2	14
49	Electrochemical system for anaerobic oxidation of methane by DAMO microbes with nitrite as an electron acceptor. Science of the Total Environment, 2021, 799, 149334.	8.0	14
50	Diffusion simulation, health risks, ozone and secondary organic aerosol formation potential of gaseous pollutants from rural comprehensive waste treatment plant. Chemosphere, 2022, 286, 131857.	8.2	14
51	Continuous desulfurization and bacterial community structure of an integrated bioreactor developed to treat SO2 from a gas stream. Journal of Environmental Sciences, 2015, 37, 130-138.	6.1	13
52	Influence factors and health risk assessment of bioaerosols emitted from an industrial-scale thermophilic biofilter for off gas treatment. Chemical Engineering Research and Design, 2019, 129, 55-62.	5.6	13
53	Comparison and application of biofilter and suspended bioreactor in removing gaseous o-xylene. Environmental Research, 2020, 188, 109853.	7.5	13
54	Microbial aerosol particles in four seasons of sanitary landfill site: Molecular approaches, traceability and risk assessment. Journal of Environmental Sciences, 2021, 108, 120-133.	6.1	13

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55	An integrated system of biological and catalytic oxidation for the removal of o-xylene from exhaust. Catalysis Today, 2007, 126, 338-344.	4.4	12
56	Performance and Bacterial Community Diversity of a Full-Scale Biofilter Treating Leachate Odor in a Sanitary Landfill Site. Water, Air, and Soil Pollution, 2012, 223, 5599-5611.	2.4	11
57	A biofilter integrated with gas membrane separation unit for the treatment of fluctuating styrene loads. Bioresource Technology, 2012, 111, 76-83.	9.6	11
58	Temporal variation of microbial population in acclimation and start-up period of a thermophilic desulfurization biofilter. International Biodeterioration and Biodegradation, 2016, 109, 157-164.	3.9	10
59	Emission level, particle size and exposure risks of airborne bacteria from the oxidation ditch for seven months observation. Atmospheric Pollution Research, 2019, 10, 1803-1811.	3.8	10
60	Study of the generation and diffusion of bioaerosol under two aeration conditions. Environmental Pollution, 2020, 267, 115571.	7.5	10
61	Conversion and speculated pathway of methane anaerobic oxidation co-driven by nitrite and sulfate. Environmental Research, 2022, 208, 112662.	7.5	10
62	Effects of moisture content on the performance of a two-stage thermophilic biofilter and choice of irrigation rate. Chemical Engineering Research and Design, 2018, 113, 164-173.	5.6	9
63	Temporal variation of microbial population in a thermophilic biofilter for SO 2 removal. Journal of Environmental Sciences, 2016, 39, 4-12.	6.1	6
64	Effects of oxygen and water content on microbial distribution in the polyurethane foam cubes of a biofilter for SO 2 removal. Journal of Environmental Sciences, 2018, 63, 268-276.	6.1	6
65	A full-scale integrated-bioreactor with two zones treating odours from sludge thickening tank and dewatering house: performance and microbial characteristics. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	5
66	The changing pattern of bioaerosol characteristics, source and risk under diversity brush aerator speed. Ecotoxicology and Environmental Safety, 2022, 236, 113478.	6.0	5
67	Operational aspects of SO2 removal and microbial population in an integrated-bioreactor with two bioreaction zones. Bioprocess and Biosystems Engineering, 2017, 40, 285-296.	3.4	4
68	Microbial population structure in near-ground aerosols during fog-haze days in northern China. Air Quality, Atmosphere and Health, 2017, 10, 1113-1121.	3.3	2
69	Migration and transformation of main components during perishable waste bio-drying process. Journal of Environmental Management, 2022, 319, 115720.	7.8	1