

# Lin Li

## List of Publications by Year in descending order

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69  
papers

2,099  
citations

218677

26  
h-index

265206

42  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion simulation, health risks, ozone and secondary organic aerosol formation potential of gaseous pollutants from rural comprehensive waste treatment plant. <i>Chemosphere</i> , 2022, 286, 131857.	8.2	14
2	Emission, dispersion, and potential risk of volatile organic and odorous compounds in the exhaust gas from two sludge thermal drying processes. <i>Waste Management</i> , 2022, 138, 116-124.	7.4	24
3	Conversion and speculated pathway of methane anaerobic oxidation co-driven by nitrite and sulfate. <i>Environmental Research</i> , 2022, 208, 112662.	7.5	10
4	Dispersion, olfactory effect, and health risks of VOCs and odors in a rural domestic waste transfer station. <i>Environmental Research</i> , 2022, 209, 112879.	7.5	19
5	The changing pattern of bioaerosol characteristics, source and risk under diversity brush aerator speed. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113478.	6.0	5
6	Migration and transformation of main components during perishable waste bio-drying process. <i>Journal of Environmental Management</i> , 2022, 319, 115720.	7.8	1
7	Characterization, factors, and UV reduction of airborne bacteria in a rural wastewater treatment station. <i>Science of the Total Environment</i> , 2021, 751, 141811.	8.0	15
8	Factors impacting the performance and microbial populations of three biofilters for co-treatment of H <sub>2</sub> S and NH <sub>3</sub> in a domestic waste landfill site. <i>Chemical Engineering Research and Design</i> , 2021, 149, 410-421.	5.6	35
9	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.	7.5	20
10	Trace volatile compounds in the air of domestic waste landfill site: Identification, olfactory effect and cancer risk. <i>Chemosphere</i> , 2021, 272, 129582.	8.2	33
11	Microbial aerosol particles in four seasons of sanitary landfill site: Molecular approaches, traceability and risk assessment. <i>Journal of Environmental Sciences</i> , 2021, 108, 120-133.	6.1	13
12	Electrochemical system for anaerobic oxidation of methane by DAMO microbes with nitrite as an electron acceptor. <i>Science of the Total Environment</i> , 2021, 799, 149334.	8.0	14
13	Effect of aeration mode on aerosol characteristics from the same wastewater treatment plant. <i>Water Research</i> , 2020, 170, 115324.	11.3	35
14	Study of the generation and diffusion of bioaerosol under two aeration conditions. <i>Environmental Pollution</i> , 2020, 267, 115571.	7.5	10
15	Comparison and application of biofilter and suspended bioreactor in removing gaseous o-xylene. <i>Environmental Research</i> , 2020, 188, 109853.	7.5	13
16	Composition, dispersion, and health risks of bioaerosols in wastewater treatment plants: A review. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 15, 1.	6.0	47
17	Biofilters for the co-treatment of volatile organic compounds and odors in a domestic waste landfill site. <i>Journal of Cleaner Production</i> , 2020, 277, 124012.	9.3	25
18	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.	7.5	18

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19	Effects of substrate fluctuation on the performance, microbial community and metabolic function of a biofilter for gaseous dichloromethane treatment. <i>Chemosphere</i> , 2020, 249, 126185.	8.2	14
20	Auxiliary voltage enhanced microbial methane oxidation co-driven by nitrite and sulfate reduction. <i>Chemosphere</i> , 2020, 250, 126259.	8.2	32
21	Characteristics and interactions of bioaerosol microorganisms from wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2020, 391, 122256.	12.4	42
22	Anaerobic oxidation of methane coupled to sulfate reduction: Consortium characteristics and application in co-removal of H <sub>2</sub> S and methane. <i>Journal of Environmental Sciences</i> , 2019, 76, 238-248.	6.1	17
23	Characteristics and exposure risks of potential pathogens and toxic metal(loid)s in aerosols from wastewater treatment plants. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109543.	6.0	18
24	Emission level, particle size and exposure risks of airborne bacteria from the oxidation ditch for seven months observation. <i>Atmospheric Pollution Research</i> , 2019, 10, 1803-1811.	3.8	10
25	Influence factors and health risk assessment of bioaerosols emitted from an industrial-scale thermophilic biofilter for off gas treatment. <i>Chemical Engineering Research and Design</i> , 2019, 129, 55-62.	5.6	13
26	Characteristics and formation mechanism of intestinal bacteria particles emitted from aerated wastewater treatment tanks. <i>Water Research</i> , 2019, 163, 114862.	11.3	26
27	Characteristics of submicron aerosols produced during aeration in wastewater treatment. <i>Science of the Total Environment</i> , 2019, 696, 134019.	8.0	19
28	The identification, health risks and olfactory effects assessment of VOCs released from the wastewater storage tank in a pesticide plant. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109665.	6.0	49
29	Aerosols from a wastewater treatment plant using oxidation ditch process: Characteristics, source apportionment, and exposure risks. <i>Environmental Pollution</i> , 2019, 250, 627-638.	7.5	32
30	Stepwise pH control to promote synergy of chemical and biological processes for augmenting short-chain fatty acid production from anaerobic sludge fermentation. <i>Water Research</i> , 2019, 155, 193-203.	11.3	92
31	Effects of aeration on microbes and intestinal bacteria in bioaerosols from the BRT of an indoor wastewater treatment facility. <i>Science of the Total Environment</i> , 2019, 648, 1453-1461.	8.0	35
32	Bioaerosols emission and exposure risk of a wastewater treatment plant with A2O treatment process. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 161-168.	6.0	73
33	Airborne bacteria in a wastewater treatment plant: Emission characterization, source analysis and health risk assessment. <i>Water Research</i> , 2019, 149, 596-606.	11.3	132
34	Characterization and source analysis of indoor/outdoor culturable airborne bacteria in a municipal wastewater treatment plant. <i>Journal of Environmental Sciences</i> , 2018, 74, 71-78.	6.1	25
35	A full-scale thermophilic biofilter in the treatment of sludge drying exhaust: performance, microbial characteristics and bioaerosol emission. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2216-2225.	3.2	16
36	Effects of moisture content on the performance of a two-stage thermophilic biofilter and choice of irrigation rate. <i>Chemical Engineering Research and Design</i> , 2018, 113, 164-173.	5.6	9

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37	Intestinal bacteria in bioaerosols and factors affecting their survival in two oxidation ditch process municipal wastewater treatment plants located in different regions. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 162-170.	6.0	45
38	Sulfur dioxide and o-xylene co-treatment in biofilter: Performance, bacterial populations and bioaerosols emissions. <i>Journal of Environmental Sciences</i> , 2018, 69, 41-51.	6.1	21
39	Effects of oxygen and water content on microbial distribution in the polyurethane foam cubes of a biofilter for SO <sub>2</sub> removal. <i>Journal of Environmental Sciences</i> , 2018, 63, 268-276.	6.1	6
40	Bacterial population and chemicals in bioaerosols from indoor environment: Sludge dewatering houses in nine municipal wastewater treatment plants. <i>Science of the Total Environment</i> , 2018, 618, 469-478.	8.0	75
41	Chemicals and microbes in bioaerosols from reaction tanks of six wastewater treatment plants: survival factors, generation sources, and mechanisms. <i>Scientific Reports</i> , 2018, 8, 9362.	3.3	25
42	A full-scale integrated-bioreactor with two zones treating odours from sludge thickening tank and dewatering house: performance and microbial characteristics. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	5
43	Clinical features and antimicrobial resistance profiles of important Enterobacteriaceae pathogens in Guangzhou representative of Southern China, 2001-2015. <i>Microbial Pathogenesis</i> , 2017, 107, 206-211.	2.9	52
44	Effects of irrigation and water content of packing materials on a thermophilic biofilter for SO <sub>2</sub> removal: Performance, oxygen distribution and microbial population. <i>Biochemical Engineering Journal</i> , 2017, 118, 105-112.	3.6	15
45	Microbial population structure in near-ground aerosols during fog-haze days in northern China. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1113-1121.	3.3	2
46	Operational aspects of SO <sub>2</sub> removal and microbial population in an integrated-bioreactor with two bioreaction zones. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 285-296.	3.4	4
47	Temporal variation of microbial population in acclimation and start-up period of a thermophilic desulfurization biofilter. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 157-164.	3.9	10
48	Temporal variation of microbial population in a thermophilic biofilter for SO <sub>2</sub> removal. <i>Journal of Environmental Sciences</i> , 2016, 39, 4-12.	6.1	6
49	Site-related and seasonal variation of bioaerosol emission in an indoor wastewater treatment station: level, characteristics of particle size, and microbial structure. <i>Aerobiologia</i> , 2016, 32, 211-224.	1.7	36
50	Thermophilic biofilter for SO <sub>2</sub> removal: Performance and microbial characteristics. <i>Bioresource Technology</i> , 2015, 180, 106-111.	9.6	24
51	Continuous desulfurization and bacterial community structure of an integrated bioreactor developed to treat SO <sub>2</sub> from a gas stream. <i>Journal of Environmental Sciences</i> , 2015, 37, 130-138.	6.1	13
52	Biological technologies for the removal of sulfur containing compounds from waste streams: bioreactors and microbial characteristics. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1501-1515.	3.6	34
53	Investigation of the effects of temperature and sludge characteristics on odors and VOC emissions during the drying process of sewage sludge. <i>Water Science and Technology</i> , 2015, 72, 543-552.	2.5	14
54	Reduction and characterization of bioaerosols in a wastewater treatment station via ventilation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1575-1583.	6.1	27

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55	H <sub>2</sub> S removal and bacterial structure along a full-scale biofilter bed packed with polyurethane foam in a landfill site. <i>Bioresource Technology</i> , 2013, 147, 52-58.	9.6	33
56	An innovative integrated system utilizing solar energy as power for the treatment of decentralized wastewater. <i>Journal of Environmental Sciences</i> , 2013, 25, 274-279.	6.1	32
57	Characterization of the airborne bacteria community at different distances from the rotating brushes in a wastewater treatment plant by 16S rRNA gene clone libraries. <i>Journal of Environmental Sciences</i> , 2013, 25, 5-15.	6.1	29
58	Assessing genetic structure, diversity of bacterial aerosol from aeration system in an oxidation ditch wastewater treatment plant by culture methods and bio-molecular tools. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 603-613.	2.7	26
59	Performance and Bacterial Community Diversity of a Full-Scale Biofilter Treating Leachate Odor in a Sanitary Landfill Site. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5599-5611.	2.4	11
60	Microbial structure and chemical components of aerosols caused by rotating brushes in a wastewater treatment plant. <i>Environmental Science and Pollution Research</i> , 2012, 19, 4097-4108.	5.3	26
61	Micro-environment characteristics and microbial communities in activated sludge flocs of different particle size. <i>Bioresource Technology</i> , 2012, 124, 252-258.	9.6	61
62	A biofilter integrated with gas membrane separation unit for the treatment of fluctuating styrene loads. <i>Bioresource Technology</i> , 2012, 111, 76-83.	9.6	11
63	Simultaneous removal of hydrogen sulfide and toluene in a bioreactor: Performance and characteristics of microbial community. <i>Journal of Environmental Sciences</i> , 2011, 23, 353-359.	6.1	17
64	Removal of airborne microorganisms emitted from a wastewater treatment oxidation ditch by adsorption on activated carbon. <i>Journal of Environmental Sciences</i> , 2011, 23, 711-717.	6.1	20
65	Surface modification of coconut shell based activated carbon for the improvement of hydrophobic VOC removal. <i>Journal of Hazardous Materials</i> , 2011, 192, 683-690.	12.4	293
66	Distribution characterization of microbial aerosols emitted from a wastewater treatment plant using the Orbal oxidation ditch process. <i>Process Biochemistry</i> , 2011, 46, 910-915.	3.7	59
67	Performance of two biofilters with neutral and low pH treating off-gases. <i>Journal of Environmental Sciences</i> , 2008, 20, 1409-1414.	6.1	22
68	Removal of Methyl Parathion from Artificial Off-Gas Using a Bioreactor Containing a Constructed Microbial Consortium. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2136-2141.	10.0	27
69	An integrated system of biological and catalytic oxidation for the removal of o-xylene from exhaust. <i>Catalysis Today</i> , 2007, 126, 338-344.	4.4	12