

Xuan Li

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,188
citations

331259

21
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity, and inactivation. <i>Environmental Research</i> , 2022, 203, 111839.	3.7	75
2	Analytical performance comparison of four SARS-CoV-2 RT-qPCR primer-probe sets for wastewater samples. <i>Science of the Total Environment</i> , 2022, 806, 150572.	3.9	10
3	Advancements in detection and removal of antibiotic resistance genes in sludge digestion: A state-of-art review. <i>Bioresource Technology</i> , 2022, 344, 126197.	4.8	40
4	Corrosion mitigation by nitrite spray on corroded concrete in a real sewer system. <i>Science of the Total Environment</i> , 2022, 806, 151328.	3.9	10
5	Enhanced decay of coronaviruses in sewers with domestic wastewater. <i>Science of the Total Environment</i> , 2022, 813, 151919.	3.9	27
6	Improved stormwater management through the combination of the conventional water sensitive urban design and stormwater pipeline network. <i>Chemical Engineering Research and Design</i> , 2022, 159, 1164-1173.	2.7	7
7	Successful application of wastewater-based epidemiology in prediction and monitoring of the second wave of COVID-19 with fragmented sewerage systems—a case study of Jaipur (India). <i>Environmental Monitoring and Assessment</i> , 2022, 194, 342.	1.3	11
8	SARS-CoV-2 shedding sources in wastewater and implications for wastewater-based epidemiology. <i>Journal of Hazardous Materials</i> , 2022, 432, 128667.	6.5	34
9	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology. <i>Water Research</i> , 2022, 218, 118451.	5.3	52
10	Co-digestion of primary sewage sludge with drinking water treatment sludge: A comprehensive evaluation of benefits. <i>Bioresource Technology</i> , 2021, 330, 124994.	4.8	10
11	Uncertainties in estimating SARS-CoV-2 prevalence by wastewater-based epidemiology. <i>Chemical Engineering Journal</i> , 2021, 415, 129039.	6.6	133
12	Self-healing bioconcrete based on non-axenic granules: A potential solution for concrete wastewater infrastructure. <i>Journal of Water Process Engineering</i> , 2021, 42, 102139.	2.6	23
13	Free ammonia pretreatment enhances the removal of antibiotic resistance genes in anaerobic sludge digestion. <i>Chemosphere</i> , 2021, 279, 130910.	4.2	26
14	Semi-continuous anaerobic digestion of secondary sludge with free ammonia pretreatment: Focusing on volatile solids destruction, dewaterability, pathogen removal and its implications. <i>Water Research</i> , 2021, 202, 117481.	5.3	68
15	A novel granular sludge-based and highly corrosion-resistant bio-concrete in sewers. <i>Science of the Total Environment</i> , 2021, 791, 148270.	3.9	27
16	Data-driven estimation of COVID-19 community prevalence through wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 789, 147947.	3.9	54
17	Synergistic effect on concrete corrosion control in sewer environment achieved by applying surface washing on calcium nitrite admixed concrete. <i>Construction and Building Materials</i> , 2021, 302, 124184.	3.2	11
18	Microplastics deteriorate the removal efficiency of antibiotic resistance genes during aerobic sludge digestion. <i>Science of the Total Environment</i> , 2021, 798, 149344.	3.9	34

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19	Molecular Methods for Pathogenic Bacteria Detection and Recent Advances in Wastewater Analysis. <i>Water (Switzerland)</i> , 2021, 13, 3551.	1.2	18
20	Nitrite admixed concrete for wastewater structures: Mechanical properties, leaching behavior and biofilm development. <i>Construction and Building Materials</i> , 2020, 233, 117341.	3.2	27
21	Improving wastewater management using free nitrous acid (FNA). <i>Water Research</i> , 2020, 171, 115382.	5.3	111
22	Enhanced anaerobic digestion of primary sludge with additives: Performance and mechanisms. <i>Bioresource Technology</i> , 2020, 316, 123970.	4.8	40
23	Assessing the removal of organic micropollutants from wastewater by discharging drinking water sludge to sewers. <i>Water Research</i> , 2020, 181, 115945.	5.3	22
24	Increased Resistance of Nitrite-Admixed Concrete to Microbially Induced Corrosion in Real Sewers. <i>Environmental Science & Technology</i> , 2020, 54, 2323-2333.	4.6	33
25	The rapid chemically induced corrosion of concrete sewers at high H ₂ S concentration. <i>Water Research</i> , 2019, 162, 95-104.	5.3	55
26	Removal of Pharmaceuticals and Illicit Drugs from Wastewater Due to Ferric Dosing in Sewers. <i>Environmental Science & Technology</i> , 2019, 53, 6245-6254.	4.6	27
27	Corrosion of reinforcing steel in concrete sewers. <i>Science of the Total Environment</i> , 2019, 649, 739-748.	3.9	35
28	Evaluation of data-driven models for predicting the service life of concrete sewer pipes subjected to corrosion. <i>Journal of Environmental Management</i> , 2019, 234, 431-439.	3.8	47
29	Distinct microbially induced concrete corrosion at the tidal region of reinforced concrete sewers. <i>Water Research</i> , 2019, 150, 392-402.	5.3	43
30	The Ecology of Acidophilic Microorganisms in the Corroding Concrete Sewer Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 683.	1.5	78