Zifu Li

List of Publications by Citations

97	1,505	22	34
papers	citations	h-index	g-index

104	1,992	6.6	5.25
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
97	Characterization of corncob-derived biochar and pyrolysis kinetics in comparison with corn stalk and sawdust. *Bioresource Technology*, **2014**, 170, 76-82	11	97
96	Effects of liquid digestate pretreatment on biogas production for anaerobic digestion of wheat straw. *Bioresource Technology*, **2019**, 280, 345-351	11	67
95	Development and application of prefabricated biogas digesters in developing countries. *Renewable and Sustainable Energy Reviews*, **2014**, 34, 387-400	16.2	61
94	Toilet revolution in China. *Journal of Environmental Management*, **2018**, 216, 347-356	7.9	59
93	Oleaginous yeast culture with synthetic and food waste-derived volatile fatty acids for lipid production. *Biotechnology for Biofuels*, **2017**, 10, 247	7.8	56
92	Photocatalytic degradation of norfloxacin using N-doped TiO: Optimization, mechanism, identification of intermediates and toxicity evaluation. *Chemosphere*, **2019**, 237, 124433	8.4	55
91	Characterization of human manure-derived biochar and energy-balance analysis of slow pyrolysis process. *Waste Management*, **2014**, 34, 1619-26	8.6	47
90	Study on improving anaerobic co-digestion of cow manure and corn straw by fruit and vegetable waste: Methane production and microbial community in CSTR process. *Bioresource Technology*, **2018**, 249, 290-297	11	45
89	Application of fault tree approach for technical assessment of small-sized biogas systems in Nepal. *Applied Energy*, **2014**, 113, 1372-1381	10.7	44
88	Study on the bio-methane yield and microbial community structure in enzyme enhanced anaerobic co-digestion of cow manure and corn straw. *Bioresource Technology*, **2016**, 219, 150-157	11	40
87	Feasibility of using fly ash-slag-based binder for mine backfilling and its associated leaching risks. *Journal of Hazardous Materials*, **2020**, 400, 123191	12.8	38
86	Kinetics of inactivation and photoreactivation of Escherichia coli using ultrasound-enhanced UV-C light-emitting diodes disinfection. *Ultrasonics Sonochemistry*, **2017**, 35, 471-477	8.9	38
85	A review of prefabricated biogas digesters in China. *Renewable and Sustainable Energy Reviews*, **2013**, 28, 738-748	16.2	36
84	Enhanced lipid production by cultured with synthetic and waste-derived high-content volatile fatty acids under alkaline conditions. *Biotechnology for Biofuels*, **2020**, 13, 3	7.8	35
83	Characteristics, mechanisms and bacteria behavior of photocatalysis with a solid Z-scheme Ag/AgBr/g-C3N4 nanosheet in water disinfection. *Applied Catalysis A: General*, **2020**, 590, 117282	5.1	35
82	Review of global sanitation development. *Environment International*, **2018**, 120, 246-261	12.9	33
81	Inactivation and change of tetracycline-resistant Escherichia coli in secondary effluent by visible light-driven photocatalytic process using Ag/AgBr/g-CN. *Science of the Total Environment*, **2020**, 705, 135639	10.2	29

80	Enhanced visible-light-driven photocatalytic disinfection using AgBr-modified g-CN composite and its mechanism. *Colloids and Surfaces B: Biointerfaces*, **2019**, 179, 170-179	6	28
79	Investigation into the semi-dynamic leaching characteristics of arsenic and antimony from solidified/stabilized tailings using metallurgical slag-based binders. *Journal of Hazardous Materials*, **2020**, 381, 120992	12.8	28
78	Evaluation of artificial neural network models for online monitoring of alkalinity in anaerobic co-digestion system. *Biochemical Engineering Journal*, **2018**, 140, 85-92	4.2	28
77	Recovery of NH +4 by corn cob produced biochars and its potential application as soil conditioner. *Frontiers of Environmental Science and Engineering*, **2014**, 8, 825-834	5.8	25
76	Synergistic effect of ultrasonic pre-treatment combined with UV irradiation for secondary effluent disinfection. *Ultrasonics Sonochemistry*, **2013**, 20, 1384-9	8.9	25
75	Diminished inhibitory impact of ZnO nanoparticles on anaerobic fermentation by the presence of TiO nanoparticles: Phenomenon and mechanism. *Science of the Total Environment*, **2019**, 647, 313-322	10.2	22
74	Experimental study on the disinfection efficiencies of a continuous-flow ultrasound/ultraviolet baffled reactor. *Ultrasonics Sonochemistry*, **2015**, 27, 81-86	8.9	22
73	Efficient photocatalytic disinfection of Escherichia coli by N-doped TiO2 coated on coal fly ash cenospheres. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 367, 355-364	4.7	22
72	Improving exploitation of chicken manure via two-stage anaerobic digestion with an intermediate membrane contactor to extract ammonia. *Bioresource Technology*, **2018**, 268, 811-814	11	21
71	Enhancement effects of ultrasound on secondary wastewater effluent disinfection by sodium hypochlorite and disinfection by-products analysis. *Ultrasonics Sonochemistry*, **2016**, 29, 60-6	8.9	18
70	Influence of ultrasound enhancement on chlorine dioxide consumption and disinfection by-products formation for secondary effluents disinfection. *Ultrasonics Sonochemistry*, **2016**, 28, 376-381	8.9	17
69	What Could China Give to and Take from Other Countries in Terms of the Development of the Biogas Industry?. *Sustainability*, **2020**, 12, 1490	3.6	17
68	Impacts of Cellulase and Amylase on Enzymatic Hydrolysis and Methane Production in the Anaerobic Digestion of Corn Straw. *Sustainability*, **2020**, 12, 5453	3.6	17
67	Recovery of Ammonium in Urine by Biochar Derived from Faecal Sludge and its Application as Soil Conditioner. *Waste and Biomass Valorization*, **2018**, 9, 1619-1628	3.2	17
66	Reduction of Nitrate in Secondary Effluent of Wastewater Treatment Plants by Fe0 Reductant and Pd□Cu/Graphene Catalyst. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	17
65	A field study on acceptability of 4-in-1 biogas systems in Liaoning Province, China. *Energy Procedia*, **2011**, 5, 1382-1387	2.3	16
64	The effects of different electron donors and electron acceptors on perchlorate reduction and bioelectricity generation in a microbial fuel cell. *International Journal of Hydrogen Energy*, **2017**, 42, 544-552	6.7	15
63	Investigation on methane yield of wheat husk anaerobic digestion and□its enhancement effect by liquid digestate pretreatment. *Anaerobe*, **2019**, 59, 92-99	2.8	15

62	Development and application of biogas project for domestic sewage treatment in rural China: opportunities and challenges. *Journal of Water Sanitation and Hygiene for Development*, **2017**, 7, 576-588	1.5	15
61	Catalytic reduction of nitrate in secondary effluent of wastewater treatment plants by Fe(0) and Pd-Cu/Al2O3. *Water Science and Technology*, **2016**, 73, 2697-703	2.2	15
60	Study on anaerobic digestion treatment of hazardous colistin sulphate contained pharmaceutical sludge. *Bioresource Technology*, **2015**, 177, 188-93	11	14
59	Occurrence of typical antibiotics, representative antibiotic-resistant bacteria, and genes in fresh and stored source-separated human urine. *Environment International*, **2021**, 146, 106280	12.9	13
58	Experimental comparisons of three submerged plants for reclaimed water purification through nutrient removal. *Desalination and Water Treatment*, **2016**, 57, 12037-12046		12
57	A review of the application of sonophotocatalytic process based on advanced oxidation process for degrading organic dye. *Reviews on Environmental Health*, **2019**, 34, 365-375	3.8	12
56	Optimization of lactic acid fermentation for pathogen inactivation in fecal sludge. *Ecotoxicology and Environmental Safety*, **2018**, 157, 249-254	7	12
55	Disinfection effect of a continuous-flow ultrasound/ultraviolet baffled reactor at a pilot scale. *Ultrasonics Sonochemistry*, **2017**, 37, 114-119	8.9	11
54	Locally produced lactic acid bacteria for pathogen inactivation and odor control in fecal sludge. *Journal of Cleaner Production*, **2018**, 184, 798-805	10.3	11
53	Stabilization of source-separated human urine by chemical oxidation. *Water Science and Technology* , **2013**, 67, 1901-7	2.2	11
52	Effects of non-dissolved redox mediators on a hexavalent chromium bioreduction process. *Biotechnology and Biotechnological Equipment*, **2016**, 30, 292-298	1.6	10
51	A novel test method for evaluating the methane gas permeability of biogas storage membrane. *Renewable Energy*, **2013**, 60, 572-577	8.1	10
50	Investigation on microbial inactivation and urea decomposition in human urine during thermal storage. *Journal of Water Sanitation and Hygiene for Development*, **2017**, 7, 378-386	1.5	10
49	Methodology Development of Evaluating Agricultural Biomass Potential for Biomass Power Plant in China. *Energy Procedia*, **2014**, 61, 13-16	2.3	9
48	Microwave drying behavior, energy consumption, and mathematical modeling of sewage sludge in a novel pilot-scale microwave drying system. *Science of the Total Environment*, **2021**, 777, 146109	10.2	9
47	Study on anaerobic treatment of hazardous steel-mill waste rolling oil (SmWRO) for multi-benefit disposal route. *Bioresource Technology*, **2014**, 151, 106-12	11	8
46	Anaerobic Co-Digestion of Kitchen Waste and Blackwater for Different Practical Application Scenarios in Decentralized Scale: From Wastes to Energy Recovery. *Water (Switzerland)*, **2020**, 12, 2556	3	7
45	Fecal sludge management in developing urban centers: a review on the collection, treatment, and composting. *Environmental Science and Pollution Research*, **2017**, 24, 23441-23452	5.1	7

44	Issues and challenges of reclaimed water usage: a case study of the dragon-shaped river in the Beijing Olympic Park. *Water International*, **2017**, 42, 486-494	2.4	7
43	Effects of Corn Cob Produced Biochars on Urea Recovery from Human Urine and Their Application as Soil Conditioners. *Clean - Soil, Air, Water*, **2015**, 43, 1167-1173	1.6	7
42	Effects of Adding Zero Valent Iron on the Anaerobic Digestion of Cow Manure and Lignocellulose. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 590200	5.8	7
41	Utilization of MSWI fly ash as partial cement or sand substitute with focus on cementing efficiency and health risk assessment. *Frontiers of Environmental Science and Engineering*, **2020**, 14, 1	5.8	6
40	Precipitation in urine source separation systems: Challenges for large-scale practical applications. *Resources, Conservation and Recycling*, **2021**, 169, 105479	11.9	6
39	Approaches to improve the lipid synthesis of oleaginous yeast Yarrowia lipolytica: A review. *Renewable and Sustainable Energy Reviews*, **2021**, 149, 111386	16.2	6
38	Renewable Energy Systems **2013**, 218-246		6
37	Isolation and Cr(VI) reduction characteristics of quinone respiration in Mangrovibacter plantisponsor strain CR1. *Biotechnology and Applied Biochemistry*, **2016**, 63, 595-600	2.8	5
36	Exploring alternative sources of funding for deploying sustainable sanitation technologies and services in Mongolia. *International Journal of Water Resources Development*, **2016**, 32, 881-894	3	5
35	Effects of various pyrolysis conditions and feedstock compositions on the physicochemical characteristics of cow manure-derived biochar. *Journal of Cleaner Production*, **2021**, 311, 127458	10.3	5
34	Nonferrous metal (loid) s mediate bacterial diversity in an abandoned mine tailing impoundment. *Environmental Science and Pollution Research*, **2019**, 26, 24806-24818	5.1	4
33	Assessment of organic loading rate by using a water tank digester for biogas production in Bangladesh. *Journal of Cleaner Production*, **2020**, 265, 121688	10.3	4
32	Co-composting of fecal matter in Mongolia using two different technologies. *Journal of Water Sanitation and Hygiene for Development*, **2015**, 5, 165-171	1.5	4
31	Efficacy of integrated ultraviolet ultrasonic technologies in the removal of erythromycin- and quinolone-resistant Escherichia coli from domestic wastewater through a laboratory-based experiment. *Journal of Water Sanitation and Hygiene for Development*, **2019**, 9, 571-580	1.5	4
30	Oxidative removal of antibiotic resistant E. coli by sulfidated zero-valent iron: Homogeneous vs heterogeneous activation. *Journal of Hazardous Materials*, **2021**, 408, 124411	12.8	4
29	Poor awareness and attitudes to sanitation servicing can impede China's Rural Toilet Revolution: Evidence from Western China. *Science of the Total Environment*, **2021**, 794, 148660	10.2	4
28	Comparative research on phosphorus removal by pilot-scale vertical flow constructed wetlands using steel slag and modified steel slag as substrates. *Water Science and Technology*, **2015**, 71, 996-1003	2.2	3
27	Effects of temperature and relative humidity on the methane permeability rate of biogas storage membranes. *International Journal of Green Energy*, **2016**, 13, 951-956	3	3

26	Potential of food waste hydrolysate as an alternative carbon source for microbial oil synthesis. *Bioresource Technology*, **2022**, 344, 126312	11	3
25	Immobilization of heavy metal using dithiocarbamate agent. *Journal of Material Cycles and Waste Management*, **2019**, 21, 652-658	3.4	3
24	Feasibility of wastewater resource recovery using pilot-scale membrane reactor with long-term operation. *Energy and Environment*, **2019**, 30, 662-671	2.4	3
23	Using system dynamics to assess the complexity of rural toilet retrofitting: Case study in eastern China. *Journal of Environmental Management*, **2021**, 280, 111655	7.9	3
22	Stabilization of source-separated urine by heat-activated peroxydisulfate. *Science of the Total Environment*, **2020**, 749, 142213	10.2	2
21	Optimization of the enhanced membrane coagulation reactor for sewage concentration efficiency and energy recovery. *Environmental Technology (United Kingdom)*, **2018**, 39, 3149-3158	2.6	2
20	Thermal decomposition of antibiotic mycelial fermentation residues in Ar, air, and CO2N2 atmospheres by TG-FTIR method. *Journal of Thermal Analysis and Calorimetry*, **2019**, 137, 2053-2060	4.1	2
19	Ultraviolet-Light-emitting-diode activated monochloramine for the degradation of carbamazepine: Kinetics, mechanisms, by-product formation, and toxicity. *Science of the Total Environment*, **2022**, 806, 151372	10.2	2
18	Investigation on Recycling Dry Toilet Generated Blackwater by Anaerobic Digestion: From Energy Recovery to Sanitation. *Sustainability*, **2021**, 13, 4090	3.6	2
17	Removal of tetracycline-resistant Escherichia coli and its genes through ultrasound treatment combined with ultraviolet light emitting diodes. *Environmental Research*, **2021**, 197, 111007	7.9	2
16	Operating status of public toilets in the Hutong neighborhoods of Beijing: An empirical study. *Journal of Environmental Management*, **2021**, 287, 112252	7.9	2
15	Application of lactic acid derived from food waste on pathogen inactivation in fecal sludge: a review on the alternative use of food waste. *Reviews on Environmental Health*, **2018**, 33, 423-431	3.8	2
14	Degradation of Sulfamethoxazole by Electrochemically Activated Persulfate Using Iron Anode. *International Journal of Chemical Reactor Engineering*, **2019**, 17,	1.2	1
13	Introduction to a Large-Scale Biogas Plant in a Dairy Farm **2010**,		1
12	China should focus beyond access to toilets to tap into the full potential of its Rural Toilet Revolution. *Resources, Conservation and Recycling*, **2022**, 178, 106100	11.9	1
11	Multiple Substrates Anaerobic Co-Digestion: A Farm-Scale Biogas Project and the GHG Emission Reduction Assessment. *Waste and Biomass Valorization*, **2021**, 12, 2049-2057	3.2	1
10	Sanitation approach toward resource recovery in rural and semi-urban centers: Insight from South South Nigeria. *Environmental Quality Management*, **2018**, 28, 13-19	0.8	1
9	Enhancing Arsenic Solidification/Stabilisation Efficiency of Metallurgical Slag-Based Green Mining Fill and Its Structure Analysis. *Metals*, **2021**, 11, 1389	2.3	1

8	From Newtonian to non-Newtonian fluid: Insight into the impact of rheological characteristics on mineral deposition in urine collection and transportation.. *Science of the Total Environment*, **2022**, 153532	10.2	0
7	Non-negligible greenhouse gas emissions from non-sewered sanitation systems: A meta-analysis. *Environmental Research*, **2022**, 212, 113468	7.9	0
6	Utilisation of appropriately treated wastewater for some further beneficial purposes: a review of the disinfection method of treated wastewater using UV radiation technology. *Reviews on Environmental Health*, **2020**, 35, 139-146	3.8	
5	Assessment of metals in dry-toilet collected matters from suburban areas of Ulaanbaatar, Mongolia, using biosolids quality guidelines and potential ecological risk index. *Frontiers of Environmental Science and Engineering*, **2014**, 8, 710-718	5.8	
4	Influence of climate and environmental change in Nigeria: a review on vulnerability and adaptation to climate change. *Reviews on Environmental Health*, **2018**, 33, 441-447	3.8	
3	The perception and expectation of WASH technology services in Pointe-Noire Ville and Tandou-Boma, Republic of Congo through novel conventional-SERVQUAL-AHP model. *Urban Water Journal*,1-11	2.3	
2	A lab-scale study on the influence of the compost-dewatering process on moisture removal and pathogen inactivation in pre-sanitized fecal sludge. *Journal of Water Sanitation and Hygiene for Development*, **2022**, 12, 329-335	1.5	
1	Transport and deposition of solid phosphorus-based mineral particles in urine diversion systems.. *Environmental Technology (United Kingdom)*, **2022**, 1-34	2.6	