

Guo-Di Zheng

List of Publications by Year in descending order

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59
papers

1,773
citations

218381

26
h-index

288905

40
g-index

61
all docs

61
docs citations

61
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal contents and enrichment characteristics of dominant plants in wasteland of the downstream of a lead-zinc mining area in Guangxi, Southwest China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 151, 266-271.	2.9	83
2	Stabilization of nickel and chromium in sewage sludge during aerobic composting. <i>Journal of Hazardous Materials</i> , 2007, 142, 216-221.	6.5	78
3	Effect of phosphate amendments on improving the fertilizer efficiency and reducing the mobility of heavy metals during sewage sludge composting. <i>Journal of Environmental Management</i> , 2019, 235, 124-132.	3.8	78
4	Moisture variation associated with water input and evaporation during sewage sludge bio-drying. <i>Bioresource Technology</i> , 2012, 117, 13-19.	4.8	69
5	Application of a recyclable plastic bulking agent for sewage sludge composting. <i>Bioresource Technology</i> , 2014, 152, 329-336.	4.8	67
6	Contamination of heavy metals and isotopic tracing of Pb in surface and profile soils in a polluted farmland from a typical karst area in southern China. <i>Science of the Total Environment</i> , 2018, 637-638, 1035-1045.	3.9	67
7	Decomposition of lignocellulose and readily degradable carbohydrates during sewage sludge biodrying, insights of the potential role of microorganisms from a metagenomic analysis. <i>Chemosphere</i> , 2018, 201, 127-136.	4.2	63
8	Influence of forced air volume on water evaporation during sewage sludge bio-drying. <i>Water Research</i> , 2013, 47, 4767-4773.	5.3	61
9	Odor composition analysis and odor indicator selection during sewage sludge composting. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 930-940.	0.9	60
10	Emission characteristics and health risk assessment of volatile organic compounds produced during municipal solid waste composting. <i>Waste Management</i> , 2018, 79, 188-195.	3.7	56
11	Interaction between sulfur and lead in toxicity, iron plaque formation and lead accumulation in rice plant. <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 206-212.	2.9	51
12	Current status and developing trends of the contents of heavy metals in sewage sludges in China. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 719-728.	3.3	48
13	Simulation of water removal process and optimization of aeration strategy in sewage sludge composting. <i>Bioresource Technology</i> , 2014, 171, 452-460.	4.8	48
14	Phytoaccumulation of heavy metals (Pb, Zn, and Cd) by 10 wetland plant species under different hydrological regimes. <i>Ecological Engineering</i> , 2017, 107, 56-64.	1.6	48
15	The effect of salinity and porosity of sewage sludge compost on the growth of vegetable seedlings. <i>Scientia Horticulturae</i> , 2010, 124, 381-386.	1.7	46
16	Online monitoring of volatile organic compound production and emission during sewage sludge composting. <i>Bioresource Technology</i> , 2012, 123, 463-470.	4.8	44
17	Reducing H ₂ S production by O ₂ feedback control during large-scale sewage sludge composting. <i>Waste Management</i> , 2011, 31, 65-70.	3.7	43
18	Biodegradation of nonylphenol during aerobic composting of sewage sludge under two intermittent aeration treatments in a full-scale plant. <i>Environmental Pollution</i> , 2018, 238, 783-791.	3.7	43

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19	Emission characteristics of VOCs and potential ozone formation from a full-scale sewage sludge composting plant. <i>Science of the Total Environment</i> , 2019, 659, 664-672.	3.9	42
20	Lignocellulose biodegradation in the biodrying process of sewage sludge and sawdust. <i>Drying Technology</i> , 2018, 36, 316-324.	1.7	39
21	Emission characteristics and health risk assessment of VOCs from a food waste anaerobic digestion plant: A case study of Suzhou, China. <i>Environmental Pollution</i> , 2020, 257, 113546.	3.7	38
22	Emission of volatile organic compounds from a small-scale municipal solid waste transfer station: Ozone-formation potential and health risk assessment. <i>Waste Management</i> , 2020, 106, 193-202.	3.7	38
23	Complete genome sequence provides insights into the biodrying-related microbial function of <i>Bacillus thermoamylovorans</i> isolated from sewage sludge biodrying material. <i>Bioresource Technology</i> , 2018, 260, 141-149.	4.8	33
24	Application of ceramsite and activated alumina balls as recyclable bulking agents for sludge composting. <i>Chemosphere</i> , 2019, 218, 42-51.	4.2	32
25	Pile settlement and volume reduction measurement during forced-aeration static composting. <i>Bioresource Technology</i> , 2008, 99, 7450-7457.	4.8	30
26	Simulation of substrate degradation in composting of sewage sludge. <i>Waste Management</i> , 2010, 30, 1931-1938.	3.7	29
27	Passivation of lead and cadmium and increase of the nutrient content during sewage sludge composting by phosphate amendments. <i>Environmental Research</i> , 2020, 185, 109431.	3.7	29
28	Removal of triclosan during wastewater treatment process and sewage sludge composting—A case study in the middle reaches of the Yellow River. <i>Environment International</i> , 2020, 134, 105300.	4.8	28
29	Preservation of nitrogen and sulfur and passivation of heavy metals during sewage sludge composting with KH ₂ PO ₄ and FeSO ₄ . <i>Bioresource Technology</i> , 2020, 297, 122383.	4.8	28
30	Characterization of odorous pollution and health risk assessment of volatile organic compound emissions in swine facilities. <i>Atmospheric Environment</i> , 2020, 223, 117233.	1.9	26
31	Effects of lactic acid on modulating the ammonia emissions in co-composts of poultry litter with slaughter sludge. <i>Bioresource Technology</i> , 2020, 315, 123812.	4.8	23
32	Improvement of salinity in sewage sludge compost prior to its utilization as nursery substrate. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 546-551.	0.9	19
33	Use of life cycle assessment and water quality analysis to evaluate the environmental impacts of the bioremediation of polluted water. <i>Science of the Total Environment</i> , 2021, 761, 143260.	3.9	19
34	Biodegradation of triclosan and triclocarban in sewage sludge during composting under three ventilation strategies. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	18
35	Effect of source-classified and mixed collection from residential household waste bins on the emission characteristics of volatile organic compounds. <i>Science of the Total Environment</i> , 2020, 707, 135478.	3.9	18
36	Microbial succession and degradation during kitchen waste biodrying, highlighting the thermophilic phase. <i>Bioresource Technology</i> , 2021, 326, 124762.	4.8	18

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37	Fate and biodegradation characteristics of trichloroan in wastewater treatment plants and sewage sludge composting processes and risk assessment after entering the ecological environment. <i>Journal of Hazardous Materials</i> , 2021, 412, 125270.	6.5	18
38	Predicting the probability distribution of Pb-increased lands in sewage-irrigated region: A case study in Beijing, China. <i>Geoderma</i> , 2008, 147, 192-196.	2.3	17
39	Impact of composting strategies on the degradation of nonylphenol in sewage sludge. <i>Ecotoxicology</i> , 2015, 24, 2081-2087.	1.1	16
40	Environmental impact and adaptation study of pig farming relocation in China. <i>Environmental Impact Assessment Review</i> , 2021, 89, 106593.	4.4	16
41	Safe utilization of cadmium- and lead-contaminated farmland by cultivating a winter rapeseed/maize rotation compared with two phytoextraction approaches. <i>Journal of Environmental Management</i> , 2022, 304, 114306.	3.8	16
42	Comparison of Cassava Distillery Residues and Straw as Bulking Agents for Full-scale Sewage Sludge Composting. <i>Compost Science and Utilization</i> , 2017, 25, 1-12.	1.2	13
43	Reduction in greenhouse gas emissions from sludge biodrying instead of heat drying combined with mono-incineration in China. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 212-218.	0.9	13
44	Time domain reflectometry measured moisture content of sewage sludge compost across temperatures. <i>Waste Management</i> , 2013, 33, 12-17.	3.7	12
45	Perlite as the partial substitute for organic bulking agent during sewage sludge composting. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1517-1529.	1.8	12
46	Microbial degradation in the co-composting of pig manure and biogas residue using a recyclable cement-based synthetic amendment. <i>Waste Management</i> , 2021, 126, 30-40.	3.7	12
47	Correlation of microbial dynamics to odor production and emission in full-scale sewage sludge composting. <i>Bioresource Technology</i> , 2022, 360, 127597.	4.8	12
48	Adding a recyclable amendment to facilitate sewage sludge biodrying and reduce costs. <i>Chemosphere</i> , 2020, 256, 127009.	4.2	10
49	Water-heat balance characteristics of the sewage sludge bio-drying process in a full-scale bio-drying plant with circulated air. <i>Waste Management</i> , 2022, 141, 220-230.	3.7	9
50	Influence of shale gas development on core forests in the subtropical karst region in southwestern China. <i>Science of the Total Environment</i> , 2021, 771, 145287.	3.9	6
51	How newly developed shale gas facilities influence soil erosion in a karst region in SW China. <i>Science of the Total Environment</i> , 2022, 818, 151825.	3.9	6
52	Comparison of heavy metal removal efficiencies in four activated sludge processes. <i>Journal of Central South University</i> , 2015, 22, 3788-3794.	1.2	5
53	Oxygen Monitoring Equipment for Sewage-Sludge Composting and Its Application to Aeration Optimization. <i>Sensors</i> , 2018, 18, 4017.	2.1	4
54	The Concern of Weed Emerged from the Amendment of Sludge Compost to Turfgrass Substrate. <i>Waste and Biomass Valorization</i> , 2017, 8, 433-438.	1.8	3

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55	Assessing the quality of the soil around a shale gas development site in a subtropical karst region in southwest China. <i>Science of the Total Environment</i> , 2022, 830, 154730.	3.9	3
56	Combination of low-accumulation kumquat cultivars and amendments to reduce Cd and Pb accumulation in kumquat grown in contaminated soil. <i>Journal of Cleaner Production</i> , 2022, 365, 132660.	4.6	3
57	Generation and Emission of Ammonia During the Full-Scale Composting of Sewage Sludge. <i>Waste and Biomass Valorization</i> , 2020, 11, 4757-4766.	1.8	2
58	Inhibitory Effects of the Addition of KNO ₃ on Volatile Sulfur Compound Emissions during Sewage Sludge Composting. <i>Bioengineering</i> , 2022, 9, 258.	1.6	2
59	Effects of water-soluble chitosan on <i>Hylotelephium spectabile</i> and soybean growth, as well as Cd uptake and phytoextraction efficiency in a co-planting cultivation system. <i>International Journal of Phytoremediation</i> , 2023, 25, 339-349.	1.7	1