Yan Zhao

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	961 citations	471509 17 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1126 citing authors

#	Article	IF	Citations
1	Artificial neural network (ANN) modeling for the prediction of odor emission rates from landfill working surface. Waste Management, 2022, 138, 158-171.	7.4	21
2	Genetic algorithm (GA) - Artificial neural network (ANN) modeling for the emission rates of toxic volatile organic compounds (VOCs) emitted from landfill working surface. Journal of Environmental Management, 2022, 305, 114433.	7.8	16
3	Effects of rotational and continuous overgrazing on newly assimilated C allocation. Biology and Fertility of Soils, 2021, 57, 193-202.	4.3	19
4	Applying artificial neural networks (ANNs) to solve solid waste-related issues: A critical review. Waste Management, 2021, 124, 385-402.	7.4	99
5	Quantifying global warming potential of alternative biorefinery systems for producing fuels from Chinese food waste. Waste Management, 2021, 130, 38-47.	7.4	5
6	Bioethanol from corn stover â€“ Integrated environmental impacts of alternative biotechnologies. Resources, Conservation and Recycling, 2020, 155, 104652.	10.8	27
7	Dispersion simulation of odorous compounds from waste collection vehicles: Mobile point source simulation with ModOdor. Science of the Total Environment, 2020, 711, 135109.	8.0	5
8	Assessing transfer distances and separation areas of odorous compounds from probability analysis with numerical dispersion modeling. Journal of Environmental Management, 2020, 268, 110669.	7.8	1
9	Material flow analysis of alternative biorefinery systems for managing Chinese food waste. Resources, Conservation and Recycling, 2019, 149, 197-209.	10.8	36
10	Bioethanol from corn stover â€“ Global warming footprint of alternative biotechnologies. Applied Energy, 2019, 247, 237-253.	10.1	45
11	Statistical correlations on the emissions of volatile odorous compounds from the transfer stage of municipal solid waste. Waste Management, 2019, 87, 701-708.	7.4	15
12	Hydrothermal modification of lignocellulosic waste as microbial immobilization carriers for ethanol production. Biochemical Engineering Journal, 2019, 142, 27-33.	3.6	16
13	Parameter sensitivity to concentrations and transport distance of odorous compounds from solid waste facilities. Science of the Total Environment, 2019, 651, 2158-2165.	8.0	18
14	ModOdor: 3D numerical model for dispersion simulation of gaseous contaminants from waste treatment facilities. Environmental Modelling and Software, 2019, 113, 1-19.	4.5	10
15	Bioethanol from corn stover â€“ a review and technical assessment of alternative biotechnologies. Progress in Energy and Combustion Science, 2018, 67, 275-291.	31.2	86
16	Emission characteristics and variation of volatile odorous compounds in the initial decomposition stage of municipal solid waste. Waste Management, 2017, 68, 677-687.	7.4	59
17	Combined reticular blind drainage and vertical hierarchical drainage system for landfills located in areas with high rainfall and high groundwater level. Frontiers of Environmental Science and Engineering, 2016, 10, 177-184.	6.0	3
18	Multi-level dissolution and hydrolysis of lignocellulosic waste with a semi-flow hydrothermal system. Bioresource Technology, 2016, 214, 496-503.	9.6	9

#	ARTICLE	IF	CITATIONS
19	Mechanisms of sequential dissolution and hydrolysis for lignocellulosic waste using a multilevel hydrothermal process. Chemical Engineering Journal, 2015, 273, 37-45.	12.7	16
20	Assessment of co-composting of sludge and woodchips in the perspective of environmental impacts (EASETECH). Waste Management, 2015, 42, 55-60.	7.4	27
21	Volatile trace compounds released from municipal solid waste at the transfer stage: Evaluation of environmental impacts and odour pollution. Journal of Hazardous Materials, 2015, 300, 695-701.	12.4	56
22	Environmental impacts of different food waste resource technologies and the effects of energy mix. Resources, Conservation and Recycling, 2014, 92, 214-221.	10.8	30
23	Evolution of unsaturated hydraulic properties of municipal solid waste with landfill depth and age. Waste Management, 2012, 32, 463-470.	7.4	48
24	Optimization of supercritical phase and combined supercritical/subcritical conversion of lignocellulose for hexose production by using a flow reaction system. Bioresource Technology, 2012, 126, 391-396.	9.6	23
25	Life-cycle assessment of the municipal solid waste management system in Hangzhou, China (EASEWASTE). Waste Management and Research, 2009, 27, 399-406.	3.9	71
26	Supercritical hydrolysis of cellulose for oligosaccharide production in combined technology. Chemical Engineering Journal, 2009, 150, 411-417.	12.7	83
27	Fermentable hexose production from corn stalks and wheat straw with combined supercritical and subcritical hydrothermal technology. Bioresource Technology, 2009, 100, 5884-5889.	9.6	67
28	Combined Supercritical and Subcritical Process for Cellulose Hydrolysis to Fermentable Hexoses. Environmental Science & Technology, 2009, 43, 1565-1570.	10.0	50