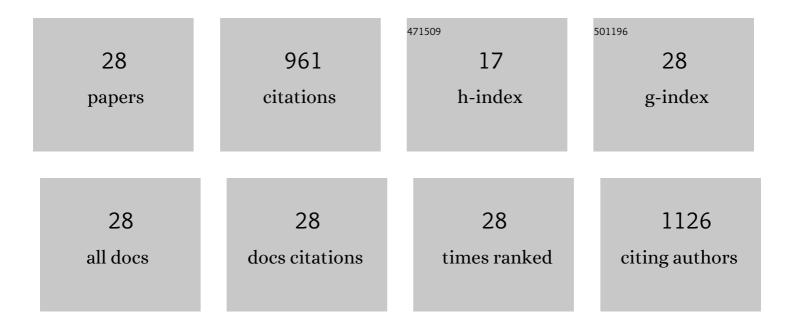
Yan Zhao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Applying artificial neural networks (ANNs) to solve solid waste-related issues: A critical review. Waste Management, 2021, 124, 385-402.	7.4	99
2	Bioethanol from corn stover – a review and technical assessment of alternative biotechnologies. Progress in Energy and Combustion Science, 2018, 67, 275-291.	31.2	86
3	Supercritical hydrolysis of cellulose for oligosaccharide production in combined technology. Chemical Engineering Journal, 2009, 150, 411-417.	12.7	83
4	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
5	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
6	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
7	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
8	Combined Supercritical and Subcritical Process for Cellulose Hydrolysis to Fermentable Hexoses. Environmental Science & Technology, 2009, 43, 1565-1570.	10.0	50
9	Evolution of unsaturated hydraulic properties of municipal solid waste with landfill depth and age. Waste Management, 2012, 32, 463-470.	7.4	48
10	Bioethanol from corn stover – Global warming footprint of alternative biotechnologies. Applied Energy, 2019, 247, 237-253.	10.1	45
11	Material flow analysis of alternative biorefinery systems for managing Chinese food waste. Resources, Conservation and Recycling, 2019, 149, 197-209.	10.8	36
12	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
13	Assessment of co-composting of sludge and woodchips in the perspective of environmental impacts (EASETECH). Waste Management, 2015, 42, 55-60.	7.4	27
14	Bioethanol from corn stover – Integrated environmental impacts of alternative biotechnologies. Resources, Conservation and Recycling, 2020, 155, 104652.	10.8	27
15	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
16	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
17	Effects of rotational and continuous overgrazing on newly assimilated C allocation. Biology and Fertility of Soils, 2021, 57, 193-202.	4.3	19
18	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

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#	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	Hydrothermal modification of lignocellulosic waste as microbial immobilization carriers for ethanol production. Biochemical Engineering Journal, 2019, 142, 27-33.	3.6	16
21	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
22	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
23	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
24	Multi-level dissolution and hydrolysis of lignocellulosic waste with a semi-flow hydrothermal system. Bioresource Technology, 2016, 214, 496-503.	9.6	9
25	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
26	Quantifying global warming potential of alternative biorefinery systems for producing fuels from Chinese food waste. Waste Management, 2021, 130, 38-47.	7.4	5
27	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
28	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