# Yan Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5079747/publications.pdf

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|---|---|---|---|
| 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 | 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 â€“ 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 â€“ 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 â€“ 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 |

| # | 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 |