

Liangcheng Yang

List of Publications by Year in descending order

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29
papers

2,241
citations

516710

16
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

3060
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic digestion of food waste – Challenges and opportunities. <i>Bioresource Technology</i> , 2018, 247, 1047-1058.	9.6	626
2	Progress and perspectives in converting biogas to transportation fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 1133-1152.	16.4	315
3	Challenges and strategies for solid-state anaerobic digestion of lignocellulosic biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 44, 824-834.	16.4	305
4	Beyond land application: Emerging technologies for the treatment and reuse of anaerobically digested agricultural and food waste. <i>Waste Management</i> , 2015, 44, 94-115.	7.4	207
5	Biological conversion of methane to liquid fuels: Status and opportunities. <i>Biotechnology Advances</i> , 2014, 32, 1460-1475.	11.7	123
6	Integrated processing of plant-derived waste to produce value-added products based on the biorefinery concept. <i>Trends in Food Science and Technology</i> , 2018, 74, 119-131.	15.1	115
7	Qualitative and quantitative analysis on aroma characteristics of ginseng at different ages using E-nose and GC-MS combined with chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 64-77.	2.8	102
8	Fabrication of a sensitive gas sensor based on PPy/TiO ₂ nanocomposites films by layer-by-layer self-assembly and its application in food storage. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 337-346.	7.8	89
9	Anaerobic digestion of giant reed for methane production. <i>Bioresource Technology</i> , 2014, 171, 233-239.	9.6	65
10	Characteristics of fouling development in shell-and-tube heat exchanger: Effects of velocity and installation location. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 439-448.	4.8	47
11	Moisture effects on gas-phase biofilter ammonia removal efficiency, nitrous oxide generation, and microbial communities. <i>Journal of Hazardous Materials</i> , 2014, 271, 292-301.	12.4	29
12	Comparison of premixing methods for solid-state anaerobic digestion of corn stover. <i>Bioresource Technology</i> , 2015, 175, 430-435.	9.6	29
13	Regioselective Competitive Adsorption of Water and Organic Vapor Mixtures on Pristine Single-Walled Carbon Nanotube Bundles. <i>Langmuir</i> , 2008, 24, 5746-5754.	3.5	28
14	An experimental and numerical study of a de-fouling evaporator used in a wastewater source heat pump. <i>Applied Thermal Engineering</i> , 2014, 70, 501-509.	6.0	26
15	Strong influence of medium pH condition on gas-phase biofilter ammonia removal, nitrous oxide generation and microbial communities. <i>Bioresource Technology</i> , 2014, 152, 74-79.	9.6	23
16	Effect of Feedstock Components on Thermophilic Solid-State Anaerobic Digestion of Yard Trimmings. <i>Energy & Fuels</i> , 2015, 29, 3699-3706.	5.1	21
17	Online removal of volatile siloxanes in solid-state anaerobic digester biogas using a biofilter and an activated carbon filter. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103284.	6.7	18
18	Aging of nanocarbons in ambient conditions: Probable metastability of carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 128-134.	9.4	15

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19	A narrative review on environmental impacts of cannabis cultivation. <i>Journal of Cannabis Research</i> , 2021, 3, 35.	3.2	11
20	Development of a cartridge design anaerobic digestion system for lignocellulosic biomass. <i>Biosystems Engineering</i> , 2017, 160, 134-139.	4.3	10
21	Recovery of failed solid-state anaerobic digesters. <i>Bioresource Technology</i> , 2016, 214, 866-870.	9.6	8
22	Reactor performance and economic evaluation of singular, binary, and ternary mixing of feedstocks for anaerobic digestion. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 318-328.	2.2	6
23	A Case Study on Converting Organic Farm Waste Vegetables to Biogas Using a Cartridge Design Anaerobic Digester. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 638-646.	2.9	3
24	Microbial and isotopomer analysis of N ₂ O generation pathways in ammonia removal biofilters. <i>Chemosphere</i> , 2020, 251, 126357.	8.2	3
25	Predictive performance of a wastewater source heat pump using artificial neural networks. <i>Building Services Engineering Research and Technology</i> , 2015, 36, 331-342.	1.8	2
26	Taste characteristics based quantitative and qualitative evaluation of ginseng adulteration. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 1535-1543.	3.5	2
27	Cap-and-Trade: Understanding and Teaching a Market-Based Approach to Natural Resource Allocation. <i>Journal of Natural Resources and Life Sciences Education</i> , 2016, 45, nse2015.0030.	1.5	2
28	Comparison of Operating Methods in Cartridge Anaerobic Digestion of Corn Stover. <i>Bioenergy Research</i> , 2022, 15, 1225-1231.	3.9	2
29	Impedance-Based Moisture Content Sensor Assessment for Gas-Phase Biofilter Media. <i>Transactions of the ASABE</i> , 2017, 60, 2163-2173.	1.1	1