

Qingshi Tu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

969
citations

12
h-index

31
g-index

34
ext. papers

1,301
ext. citations

7.4
avg. IF

4.67
L-index

#	Paper	IF	Citations
27	Improving litterfall production prediction in China under variable environmental conditions using machine learning algorithms.. <i>Journal of Environmental Management</i> , 2022 , 306, 114515	7.9	1
26	Rapid, high-yield production of lignin-containing cellulose nanocrystals using recyclable oxalic acid dihydrate. <i>Industrial Crops and Products</i> , 2021 , 173, 114148	5.9	6
25	A comprehensive set of global scenarios of housing, mobility, and material efficiency for material cycles and energy systems modeling. <i>Journal of Industrial Ecology</i> , 2021 , 25, 305-320	7.2	7
24	Linking service provision to material cycles: A new framework for studying the resource efficiencyclimate change (RECC) nexus. <i>Journal of Industrial Ecology</i> , 2021 , 25, 260-273	7.2	11
23	Material efficiency and climate change mitigation of passenger vehicles. <i>Journal of Industrial Ecology</i> , 2021 , 25, 494-510	7.2	11
22	Electrocatalysis for Chemical and Fuel Production: Investigating Climate Change Mitigation Potential and Economic Feasibility. <i>Environmental Science & Technology</i> , 2021 , 55, 3240-3249	10.3	12
21	Global scenarios of resource and emission savings from material efficiency in residential buildings and cars. <i>Nature Communications</i> , 2021 , 12, 5097	17.4	22
20	A Greener Alternative Titration Method for Measuring Acid Values of Fats, Oils, and Grease. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2019 , 96, 1083-1091	1.8	5
19	Material efficiency strategies to reducing greenhouse gas emissions associated with buildings, vehicles, and electronics—review. <i>Environmental Research Letters</i> , 2019 , 14, 043004	6.2	115
18	Integrated hybrid life cycle assessment and contribution analysis for CO2 emission and energy consumption of a concentrated solar power plant in China. <i>Energy</i> , 2019 , 174, 310-322	7.9	17
17	Life Cycle Assessment of Biodiesel 2019 , 175-200		
16	Comparing the Environmental Impacts of Meatless and Meat-Containing Meals in the United States. <i>Sustainability</i> , 2019 , 11, 6235	3.6	10
15	The Green ChemisTREE: 20 years after taking root with the 12 principles. <i>Green Chemistry</i> , 2018 , 20, 1929-1961	19.3	13
14	Harmonized algal biofuel life cycle assessment studies enable direct process train comparison. <i>Applied Energy</i> , 2018 , 224, 494-509	10.7	18
13	Thermo-Economic Analysis and Optimization of Adiabatic Compressed Air Energy Storage (A-CAES) System Coupled with a Kalina Cycle. <i>Energy Technology</i> , 2018 , 6, 1011-1025	3.5	10
12	Direct transesterification of spent coffee grounds for biodiesel production. <i>Fuel</i> , 2017 , 199, 157-161	7.1	85
11	Glycerolysis with crude glycerin as an alternative pretreatment for biodiesel production from grease trap waste: Parametric study and energy analysis. <i>Journal of Cleaner Production</i> , 2017 , 162, 504-511	19.3	28

10	Meta-analysis and Harmonization of Life Cycle Assessment Studies for Algae Biofuels. <i>Environmental Science & Technology</i> , 2017 , 51, 9419-9432	10.3	31
9	Simultaneous Extraction, Fractionation, and Enrichment of Microalgal Triacylglycerides by Exploiting the Tunability of Neat Supercritical Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6222-6230	8.3	12
8	A solvent-free approach to extract the lipid fraction from sewer grease for biodiesel production. <i>Waste Management</i> , 2016 , 54, 126-30	8.6	11
7	Monte Carlo analysis of life cycle energy consumption and greenhouse gas (GHG) emission for biodiesel production from trap grease. <i>Journal of Cleaner Production</i> , 2016 , 112, 2674-2683	10.3	37
6	Water consumption estimates of the biodiesel process in the US. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 507-516	4.3	5
5	Review of Water Consumption and Water Conservation Technologies in the Algal Biofuel Process. <i>Water Environment Research</i> , 2016 , 88, 21-8	2.8	10
4	Converting campus waste into renewable energy - a case study for the University of Cincinnati. <i>Waste Management</i> , 2015 , 39, 258-65	8.6	17
3	Esterification pretreatment of free fatty acid in biodiesel production, from laboratory to industry. <i>Fuel Processing Technology</i> , 2014 , 125, 106-113	7.2	165
2	The gutter oil issue in China. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2013 , 166, 142-149	0.5	1
1	Isolation of lignin-containing cellulose nanocrystals: life-cycle environmental impacts and opportunities for improvement. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	7