

Uisung Lee

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

869
citations

567144

15
h-index

752573

20
g-index

25
all docs

25
docs citations

25
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of landfill gas emissions from municipal solid waste landfills for the life-cycle analysis of waste-to-energy pathways. <i>Journal of Cleaner Production</i> , 2017, 166, 335-342.	4.6	172
2	Life cycle greenhouse gas emissions and energy use of polylactic acid, bio-derived polyethylene, and fossil-derived polyethylene. <i>Journal of Cleaner Production</i> , 2020, 277, 124010.	4.6	97
3	High-Temperature Steam Gasification of Municipal Solid Waste, Rubber, Plastic and Wood. <i>Energy & Fuels</i> , 2014, 28, 4573-4587.	2.5	77
4	CORSIA: The first internationally adopted approach to calculate life-cycle GHG emissions for aviation fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111398.	8.2	75
5	Regional water consumption for hydro and thermal electricity generation in the United States. <i>Applied Energy</i> , 2018, 210, 661-672.	5.1	57
6	Experimental investigation of sewage sludge solid waste conversion to syngas using high temperature steam gasification. <i>Energy Conversion and Management</i> , 2018, 158, 430-436.	4.4	49
7	Biofuel Options for Marine Applications: Technoeconomic and Life-Cycle Analyses. <i>Environmental Science & Technology</i> , 2021, 55, 7561-7570.	4.6	38
8	AWARE-US: Quantifying water stress impacts of energy systems in the United States. <i>Science of the Total Environment</i> , 2019, 648, 1313-1322.	3.9	33
9	Retrospective analysis of the <sc>U.S.</sc> corn ethanol industry for <sc>2005</sc>â€“<sc>2019</sc>: implications for greenhouse gas emission reductions. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1318-1331.	1.9	33
10	Assessment of algal biofuel resource potential in the United States with consideration of regional water stress. <i>Algal Research</i> , 2019, 37, 30-39.	2.4	29
11	Utilizing high-purity carbon dioxide sources for algae cultivation and biofuel production in the United States: Opportunities and challenges. <i>Journal of Cleaner Production</i> , 2021, 321, 128779.	4.6	27
12	Synthetic Methanol/Fischerâ€“Tropsch Fuel Production Capacity, Cost, and Carbon Intensity Utilizing CO₂ from Industrial and Power Plants in the United States. <i>Environmental Science & Technology</i> , 2021, 55, 7595-7604.	4.6	22
13	Life cycle analysis of renewable natural gas and lactic acid production from waste feedstocks. <i>Journal of Cleaner Production</i> , 2021, 311, 127653.	4.6	22
14	Production of useful energy from solid waste materials by steam gasification. <i>International Journal of Energy Research</i> , 2016, 40, 1474-1488.	2.2	19
15	Regional and seasonal water stress analysis of United States thermoelectricity. <i>Journal of Cleaner Production</i> , 2020, 270, 122234.	4.6	17
16	Balancing Water Sustainability and Productivity Objectives in Microalgae Cultivation: Siting Open Ponds by Considering Seasonal Water-Stress Impact Using AWARE-US. <i>Environmental Science & Technology</i> , 2020, 54, 2091-2102.	4.6	17
17	Using waste <sc>CO₂</sc> from corn ethanol biorefineries for additional ethanol production: lifeâ€“cycle analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 468-480.	1.9	13
18	Regionalized Life Cycle Greenhouse Gas Emissions of Forest Biomass Use for Electricity Generation in the United States. <i>Environmental Science & Technology</i> , 2021, 55, 14806-14816.	4.6	12

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19	Life-Cycle Greenhouse Gas Emissions of Sustainable Aviation Fuel through a Net-Zero Carbon Biofuel Plant Design. ACS Sustainable Chemistry and Engineering, 2022, 10, 8725-8732.	3.2	8
20	Life-cycle greenhouse gas emissions reduction potential for corn ethanol refining in the USA. Biofuels, Bioproducts and Biorefining, 2022, 16, 671-681.	1.9	6
21	Life cycle analysis of waste-to-energy pathways. , 2020, , 213-233.		5