

Abdul Muhaymin Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

251
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic assessment of integrating methanol or Fischer-Tropsch synthesis in a South African sugar mill. <i>Bioresource Technology</i> , 2015, 183, 141-152.	9.6	44
2	Techno-economic comparison of ethanol and electricity coproduction schemes from sugarcane residues at existing sugar mills in Southern Africa. <i>Biotechnology for Biofuels</i> , 2014, 7, .	6.2	37
3	Simulation and comparison of processes for biobutanol production from lignocellulose via ABE fermentation. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 1023-1036.	3.7	29
4	Economic analysis of bioethanol and electricity production from sugarcane in South Africa. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 224-238.	3.7	27
5	Techno-economic analysis of the valorization of brewers spent grains: production of xylitol and xylooligosaccharides. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1632-1644.	3.2	19
6	Evaluating refinery configurations for deriving sustainable aviation fuel from ethanol or syncrude. <i>Fuel Processing Technology</i> , 2021, 219, 106879.	7.2	19
7	Comparison of recovery of volatile fatty acids and mixed ketones as alternative downstream processes for acetogenesis fermentation. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 882-898.	3.7	16
8	Techno-economics of integrating bioethanol production from spent sulfite liquor for reduction of greenhouse gas emissions from sulfite pulping mills. <i>Biotechnology for Biofuels</i> , 2014, 7, 169.	6.2	14
9	Systematic cost evaluations of biological and thermochemical processes for ethanol production from biomass residues and industrial off-gases. <i>Energy Conversion and Management</i> , 2021, 243, 114398.	9.2	14
10	Evaluation of Biorefining Scenarios for Advanced Fuels Production from Triticale Grain. <i>Energy & Fuels</i> , 2020, 34, 11003-11013.	5.1	12
11	Flowsheet analysis of gasification-synthesis-refining for sustainable aviation fuel production from invasive alien plants. <i>Energy</i> , 2022, 245, 123210.	8.8	8
12	Technical, Economic, and Greenhouse Gas Reduction Potential of Combined Ethanol Fermentation and Biofuel Gasification-Synthesis at Sulphite Pulping Mills. <i>Energy & Fuels</i> , 2016, 30, 7387-7399.	5.1	7
13	Flowsheet Analysis of Valorising Mixed Lignocellulose and Plastic Wastes via Fast Pyrolysis at a Paper Mill. <i>Waste and Biomass Valorization</i> , 2021, 12, 1025-1038.	3.4	3
14	Optimizing the processes of extracting proteins from yellow peas and ethanol production from spent pea residues. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2913-2924.	4.6	2