

Ion Agirre

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9358186/publications.pdf>

Version: 2024-02-01

26
papers

654
citations

566801
15
h-index

610482
24
g-index

26
all docs

26
docs citations

26
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of temperature and residence time in the pyrolysis of woody biomass waste in a continuous screw reactor. Biomass and Bioenergy, 2016, 95, 416-423.	2.9	103
2	Hybrid organosilica membranes and processes: Status and outlook. Separation and Purification Technology, 2014, 121, 2-12.	3.9	70
3	Glycerol acetals, kinetic study of the reaction between glycerol and formaldehyde. Biomass and Bioenergy, 2011, 35, 3636-3642.	2.9	65
4	Production of charcoal as an alternative reducing agent from agricultural residues using a semi-continuous semi-pilot scale pyrolysis screw reactor. Fuel Processing Technology, 2013, 106, 114-121.	3.7	58
5	Glycerol acetals as diesel additives: Kinetic study of the reaction between glycerol and acetaldehyde. Fuel Processing Technology, 2013, 116, 182-188.	3.7	54
6	Acetalization reaction between glycerol and n-butyraldehyde using an acidic ion exchange resin. Kinetic modelling. Chemical Engineering Journal, 2013, 228, 300-307.	6.6	44
7	Acetalization reaction of ethanol with butyraldehyde coupled with pervaporation. Semi-batch pervaporation studies and resistance of HybSiA® membranes to catalyst impacts. Journal of Membrane Science, 2011, 371, 179-188.	4.1	38
8	Hydrogenolysis of 5-Hydroxymethylfurfural To Produce 2,5-Dimethylfuran over ZrO ₂ Supported Cu and RuCu Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 11535-11546.	1.8	26
9	Process design and techno-economic analysis of gas and aqueous phase maleic anhydride production from biomass-derived furfural. Biomass Conversion and Biorefinery, 2020, 10, 1021-1033.	2.9	23
10	Ni-Cu Bimetallic Catalytic System for Producing 5-Hydroxymethylfurfural-Derived Value-Added Biofuels. ACS Sustainable Chemistry and Engineering, 2020, 8, 11183-11193.	3.2	22
11	Furanic biofuels production from biomass using Cu-based heterogeneous catalysts. Energy, 2019, 172, 531-544.	4.5	20
12	Catalytic reactive distillation process development for 1,1 diethoxy butane production from renewable sources. Bioresource Technology, 2011, 102, 1289-1297.	4.8	18
13	Value-Added Bio-Chemicals Commodities from Catalytic Conversion of Biomass Derived Furan-Compounds. Catalysts, 2020, 10, 895.	1.6	17
14	A techno-economic comparison of various process options for the production of 1,1-diethoxy butane. Journal of Chemical Technology and Biotechnology, 2012, 87, 943-954.	1.6	15
15	Streamlined life cycle analysis for assessing energy and exergy performance as well as impact on the climate for landfill gas utilization technologies. Applied Energy, 2017, 185, 805-813.	5.1	15
16	The conceptual design of a continuous pervaporation membrane reactor for the production of 1,1-diethoxy butane. AIChE Journal, 2012, 58, 1862-1868.	1.8	13
17	Heterogeneous Catalyzed Thermochemical Conversion of Lignin Model Compounds: An Overview. Topics in Current Chemistry, 2019, 377, 36.	3.0	13
18	Evolution of project-based learning in small groups in environmental engineering courses. Journal of Technology and Science Education, 2018, 8, 45.	0.5	11

#	ARTICLE	IF	CITATIONS
19	HMF hydrogenolysis over carbon-supported Ni–Cu catalysts to produce hydrogenated biofuels. Energy, 2022, 255, 124437.	4.5	8
20	Bioenergy II: The Development of a Reactive Distillation Process for the Production of 1,1 Diethoxy Butane from Bioalcohol: Kinetic Study and Simulation Model. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	6
21	Integrated Environmental and Exergoeconomic Analysis of Biomass-Derived Maleic Anhydride. Advanced Sustainable Systems, 2022, 6, .	2.7	6
22	Acetals as Possible Diesel Additives. , 2011, , .		5
23	DESIGNING A FLIPPED CLASSROOM IN AN INDUSTRIAL ENGINEERING MASTER SUBJECT. EDULEARN Proceedings, 2019, , .	0.0	2
24	Production of Furanic Biofuels with Zeolite and Metal Oxide Bifunctional Catalysts for Energy-and Product-Driven Biorefineries. Biofuels and Biorefineries, 2017, , 239-271.	0.5	1
25	Heterogeneous Catalyzed Thermochemical Conversion of Lignin Model Compounds: An Overview. Topics in Current Chemistry Collections, 2020, , 197-271.	0.2	1
26	2,5 DMF Production from Biomass Using Heterogenous Catalysts. , 0, , .		0