

Mariefel V Olarte

List of Publications by Year in descending order

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33
papers

2,554
citations

257450
24
h-index

395702
33
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40
all docs

40
docs citations

40
times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	A review and perspective of recent bio-oil hydrotreating research. <i>Green Chemistry</i> , 2014, 16, 491-515.	9.0	439
2	Process development for hydrothermal liquefaction of algae feedstocks in a continuous-flow reactor. <i>Algal Research</i> , 2013, 2, 445-454.	4.6	397
3	Catalytic Hydroprocessing of Fast Pyrolysis Bio-oil from Pine Sawdust. <i>Energy & Fuels</i> , 2012, 26, 3891-3896.	5.1	185
4	Hydrotreatment of pyrolysis bio-oil: A review. <i>Fuel Processing Technology</i> , 2019, 195, 106140.	7.2	146
5	Ionic-Liquid-Phase Hydrolysis of Pine Wood. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1277-1286.	3.7	144
6	Dilute Acid Hydrolysis of Loblolly Pine: A Comprehensive Approach. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7131-7140.	3.7	141
7	Bio-oil Stabilization by Hydrogenation over Reduced Metal Catalysts at Low Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5533-5545.	6.7	93
8	Batch Aqueous-Phase Reforming of Woody Biomass. <i>Energy & Fuels</i> , 2006, 20, 1744-1752.	5.1	82
9	Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils. <i>Energy & Fuels</i> , 2017, 31, 1650-1664.	5.1	78
10	Stabilization of Softwood-Derived Pyrolysis Oils for Continuous Bio-oil Hydroprocessing. <i>Topics in Catalysis</i> , 2016, 59, 55-64.	2.8	74
11	Hydrothermal liquefaction oil and hydrotreated product from pine feedstock characterized by heteronuclear two-dimensional NMR spectroscopy and FT-ICR mass spectrometry. <i>Fuel</i> , 2014, 137, 60-69.	6.4	60
12	Red Mud Catalytic Pyrolysis of Pinyon Juniper and Single-Stage Hydrotreatment of Oils. <i>Energy & Fuels</i> , 2016, 30, 7947-7958.	5.1	60
13	Stability of Zeolites in Aqueous Phase Reactions. <i>Chemistry of Materials</i> , 2017, 29, 7255-7262.	6.7	55
14	Chemical Processing in High-Pressure Aqueous Environments. 9. Process Development for Catalytic Gasification of Algae Feedstocks. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 10768-10777.	3.7	53
15	Technology advancements in hydroprocessing of bio-oils. <i>Biomass and Bioenergy</i> , 2019, 125, 151-168.	5.7	49
16	Quenching of reactive intermediates during mechanochemical depolymerization of lignin. <i>Catalysis Today</i> , 2018, 302, 180-189.	4.4	47
17	Mechanistic insights on C O and C C bond activation and hydrogen insertion during acetic acid hydrogenation catalyzed by ruthenium clusters in aqueous medium. <i>Journal of Catalysis</i> , 2016, 340, 107-121.	6.2	40
18	Elementary steps and reaction pathways in the aqueous phase alkylation of phenol with ethanol. <i>Journal of Catalysis</i> , 2017, 352, 329-336.	6.2	40

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19	Standardization of chemical analytical techniques for pyrolysis bio-oil: history, challenges, and current status of methods. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 496-507.	3.7	39
20	Pyrolysis of Woody Residue Feedstocks: Upgrading of Bio-oils from Mountain-Pine-Beetle-Killed Trees and Hog Fuel. <i>Energy & Fuels</i> , 2014, 28, 7510-7516.	5.1	38
21	Quantitative solid state NMR analysis of residues from acid hydrolysis of loblolly pine wood. <i>Bioresource Technology</i> , 2009, 100, 4758-4765.	9.6	33
22	Characterization of upgraded fast pyrolysis oak oil distillate fractions from sulfided and non-sulfided catalytic hydrotreating. <i>Fuel</i> , 2017, 202, 620-630.	6.4	30
23	Modeling the Kinetics of Deactivation of Catalysts during the Upgrading of Bio-oil. <i>Energy & Fuels</i> , 2015, 29, 273-277.	5.1	29
24	Molybdenum Carbides, Active and <i>In Situ</i> Regenerable Catalysts in Hydroprocessing of Fast Pyrolysis Bio-Oil. <i>Energy & Fuels</i> , 2016, 30, 5016-5026.	5.1	26
25	Evolution of Functional Groups during Pyrolysis Oil Upgrading. <i>Energy & Fuels</i> , 2017, 31, 8300-8316.	5.1	26
26	Performance and techno-economic evaluations of co-processing residual heavy fraction in bio-oil hydrotreating. <i>Catalysis Today</i> , 2021, 365, 357-364.	4.4	23
27	Hydronium-Ion-Catalyzed Elimination Pathways of Substituted Cyclohexanols in Zeolite H-ZSM5. <i>ACS Catalysis</i> , 2017, 7, 7822-7829.	11.2	22
28	Scaleable Hydrotreating of HTL Biocrude to Produce Fuel Blendstocks. <i>Energy & Fuels</i> , 2021, 35, 11346-11352.	5.1	15
29	Determining aromatic and aliphatic carboxylic acids in biomass-derived oil samples using 2,4-dinitrophenylhydrazine and liquid chromatography-electrospray injection-mass spectrometry/mass spectrometry. <i>Biomass and Bioenergy</i> , 2018, 108, 198-206.	5.7	11
30	Role of peracetic acid on the disruption of lignin packing structure and its consequence on lignin depolymerisation. <i>Green Chemistry</i> , 2021, 23, 8468-8479.	9.0	11
31	Determination of low-level biogenic gasoline, jet fuel, and diesel in blends using the direct liquid scintillation counting method for ¹⁴ C content. <i>Fuel</i> , 2021, 291, 120084.	6.4	9
32	Autoignition and select properties of low sample volume thermochemical mixtures from renewable sources. <i>Fuel</i> , 2019, 238, 493-506.	6.4	6
33	On-Line Raman Measurement of the Radiation-Enhanced Reaction of Cellobiose with Hydrogen Peroxide. <i>ACS Omega</i> , 2021, 6, 35457-35466.	3.5	4