

Mariefel V Olarte

List of Publications by Citations

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38
papers

2,047
citations

23
h-index

40
g-index

40
ext. papers

2,299
ext. citations

5.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
38	A review and perspective of recent bio-oil hydrotreating research. <i>Green Chemistry</i> , 2014 , 16, 491-515	10	362
37	Process development for hydrothermal liquefaction of algae feedstocks in a continuous-flow reactor. <i>Algal Research</i> , 2013 , 2, 445-454	5	341
36	Catalytic Hydroprocessing of Fast Pyrolysis Bio-oil from Pine Sawdust. <i>Energy & Fuels</i> , 2012 , 26, 3891-3896	11.65	165
35	Ionic-Liquid-Phase Hydrolysis of Pine Wood. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1277-1286	3.9	133
34	Dilute Acid Hydrolysis of Loblolly Pine: A Comprehensive Approach. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7131-7140	3.9	116
33	Hydrotreatment of pyrolysis bio-oil: A review. <i>Fuel Processing Technology</i> , 2019 , 195, 106140	7.2	93
32	Bio-oil Stabilization by Hydrogenation over Reduced Metal Catalysts at Low Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5533-5545	8.3	74
31	Batch Aqueous-Phase Reforming of Woody Biomass. <i>Energy & Fuels</i> , 2006 , 20, 1744-1752	4.1	71
30	Stabilization of Softwood-Derived Pyrolysis Oils for Continuous Bio-oil Hydroprocessing. <i>Topics in Catalysis</i> , 2016 , 59, 55-64	2.3	63
29	Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils. <i>Energy & Fuels</i> , 2017 , 31, 1650-1664	4.1	56
28	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	7.1	52
27	Red Mud Catalytic Pyrolysis of Pinyon Juniper and Single-Stage Hydrotreatment of Oils. <i>Energy & Fuels</i> , 2016 , 30, 7947-7958	4.1	46
26	Stability of Zeolites in Aqueous Phase Reactions. <i>Chemistry of Materials</i> , 2017 , 29, 7255-7262	9.6	43
25	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	3.9	42
24	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	5.3	36
23	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	7.21	32
22	Quantitative solid state NMR analysis of residues from acid hydrolysis of loblolly pine wood. <i>Bioresource Technology</i> , 2009 , 100, 4758-65	11	32

21	Quenching of reactive intermediates during mechanochemical depolymerization of lignin. <i>Catalysis Today</i> , 2018 , 302, 180-189	5.3	31
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	4.1	31
19	Technology advancements in hydroprocessing of bio-oils. <i>Biomass and Bioenergy</i> , 2019 , 125, 151-168	5.3	29
18	Elementary steps and reaction pathways in the aqueous phase alkylation of phenol with ethanol. <i>Journal of Catalysis</i> , 2017 , 352, 329-336	7.3	29
17	Modeling the Kinetics of Deactivation of Catalysts during the Upgrading of Bio-oil. <i>Energy & Fuels</i> , 2015 , 29, 273-277	4.1	26
16	Characterization of upgraded fast pyrolysis oak oil distillate fractions from sulfided and non-sulfided catalytic hydrotreating. <i>Fuel</i> , 2017 , 202, 620-630	7.1	24
15	Molybdenum Carbides, Active and In Situ Regenerable Catalysts in Hydroprocessing of Fast Pyrolysis Bio-Oil. <i>Energy & Fuels</i> , 2016 , 30, 5016-5026	4.1	21
14	Evolution of Functional Groups during Pyrolysis Oil Upgrading. <i>Energy & Fuels</i> , 2017 , 31, 8300-8316	4.1	16
13	Hydronium-Ion-Catalyzed Elimination Pathways of Substituted Cyclohexanols in Zeolite H-ZSM5. <i>ACS Catalysis</i> , 2017 , 7, 7822-7829	13.1	15
12	Determination of Hydroxyl Groups in Pyrolysis Bio-oils using ³¹ P NMR: Laboratory Analytical Procedure (LAP)		11
11	Determination of Carbonyls in Pyrolysis Bio-oils by Potentiometric Titration. Faix Method. Laboratory Analytical Procedure (LAP)		9
10	Quantification of Semi-Volatile Oxygenated Components of Pyrolysis Bio-Oil by Gas Chromatography/Mass Spectrometry (GC/MS). Laboratory Analytical Procedure (LAP)		8
9	Performance and techno-economic evaluations of co-processing residual heavy fraction in bio-oil hydrotreating. <i>Catalysis Today</i> , 2021 , 365, 357-364	5.3	8
8	Acid Number Determination of Pyrolysis Bio-oils using Potentiometric Titration: Laboratory Analytical Procedure (LAP)		7
7	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	5.3	7
6	Autoignition and select properties of low sample volume thermochemical mixtures from renewable sources. <i>Fuel</i> , 2019 , 238, 493-506	7.1	6
5	Upgrading Fast Pyrolysis Liquids 2019 , 207-255		4
4	Scaleable Hydrotreating of HTL Biocrude to Produce Fuel Blendstocks. <i>Energy & Fuels</i> , 2021 , 35, 11346-11352	4.1	4

3	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	7.1	2
2	Role of peracetic acid on the disruption of lignin packing structure and its consequence on lignin depolymerisation. <i>Green Chemistry</i> ,	10	1
1	On-Line Raman Measurement of the Radiation-Enhanced Reaction of Cellobiose with Hydrogen Peroxide.. <i>ACS Omega</i> , 2021 , 6, 35457-35466	3.9	1