Mariefel V Olarte

List of Publications by Year
in descending order

33	2,554	257101 24	395343 33
papers	citations	h-index	g-index

40	40	40	3029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review and perspective of recent bio-oil hydrotreating research. Green Chemistry, 2014, 16, 491-515.	4.6	439
2	Process development for hydrothermal liquefaction of algae feedstocks in a continuous-flow reactor. Algal Research, 2013, 2, 445-454.	2.4	397
3	Catalytic Hydroprocessing of Fast Pyrolysis Bio-oil from Pine Sawdust. Energy & Fuels, 2012, 26, 3891-3896.	2.5	185
4	Hydrotreatment of pyrolysis bio-oil: A review. Fuel Processing Technology, 2019, 195, 106140.	3.7	146
5	Ionic-Liquid-Phase Hydrolysis of Pine Wood. Industrial & Engineering Chemistry Research, 2009, 48, 1277-1286.	1.8	144
6	Dilute Acid Hydrolysis of Loblolly Pine: A Comprehensive Approach. Industrial & Engineering Chemistry Research, 2008, 47, 7131-7140.	1.8	141
7	Bio-oil Stabilization by Hydrogenation over Reduced Metal Catalysts at Low Temperatures. ACS Sustainable Chemistry and Engineering, 2016, 4, 5533-5545.	3.2	93
8	Batch Aqueous-Phase Reforming of Woody Biomass. Energy & Fuels, 2006, 20, 1744-1752.	2.5	82
9	Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils. Energy & Fuels, 2017, 31, 1650-1664.	2.5	78
10	Stabilization of Softwood-Derived Pyrolysis Oils for Continuous Bio-oil Hydroprocessing. Topics in Catalysis, 2016, 59, 55-64.	1.3	74
11	Hydrothermal liquefaction oil and hydrotreated product from pine feedstock characterized by heteronuclear two-dimensional NMR spectroscopy and FT-ICR mass spectrometry. Fuel, 2014, 137, 60-69.	3.4	60
12	Red Mud Catalytic Pyrolysis of Pinyon Juniper and Single-Stage Hydrotreatment of Oils. Energy & Fuels, 2016, 30, 7947-7958.	2.5	60
13	Stability of Zeolites in Aqueous Phase Reactions. Chemistry of Materials, 2017, 29, 7255-7262.	3.2	55
14	Chemical Processing in High-Pressure Aqueous Environments. 9. Process Development for Catalytic Gasification of Algae Feedstocks. Industrial & Engineering Chemistry Research, 2012, 51, 10768-10777.	1.8	53
15	Technology advancements in hydroprocessing of bio-oils. Biomass and Bioenergy, 2019, 125, 151-168.	2.9	49
16	Quenching of reactive intermediates during mechanochemical depolymerization of lignin. Catalysis Today, 2018, 302, 180-189.	2.2	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. Journal of Catalysis, 2016, 340, 107-121.	3.1	40
18	Elementary steps and reaction pathways in the aqueous phase alkylation of phenol with ethanol. Journal of Catalysis, 2017, 352, 329-336.	3.1	40

#	Article	IF	Citations
19	Standardization of chemical analytical techniques for pyrolysis bioâ€oil: history, challenges, and current status of methods. Biofuels, Bioproducts and Biorefining, 2016, 10, 496-507.	1.9	39
20	Pyrolysis of Woody Residue Feedstocks: Upgrading of Bio-oils from Mountain-Pine-Beetle-Killed Trees and Hog Fuel. Energy & Fuels, 2014, 28, 7510-7516.	2.5	38
21	Quantitative solid state NMR analysis of residues from acid hydrolysis of loblolly pine wood. Bioresource Technology, 2009, 100, 4758-4765.	4.8	33
22	Characterization of upgraded fast pyrolysis oak oil distillate fractions from sulfided and non-sulfided catalytic hydrotreating. Fuel, 2017, 202, 620-630.	3.4	30
23	Modeling the Kinetics of Deactivation of Catalysts during the Upgrading of Bio-oil. Energy & Fuels, 2015, 29, 273-277.	2.5	29
24	Molybdenum Carbides, Active and In Situ Regenerable Catalysts in Hydroprocessing of Fast Pyrolysis Bio-Oil. Energy & Fuels, 2016, 30, 5016-5026.	2.5	26
25	Evolution of Functional Groups during Pyrolysis Oil Upgrading. Energy & Fuels, 2017, 31, 8300-8316.	2.5	26
26	Performance and techno-economic evaluations of co-processing residual heavy fraction in bio-oil hydrotreating. Catalysis Today, 2021, 365, 357-364.	2.2	23
27	Hydronium-Ion-Catalyzed Elimination Pathways of Substituted Cyclohexanols in Zeolite H-ZSM5. ACS Catalysis, 2017, 7, 7822-7829.	5.5	22
28	Scaleable Hydrotreating of HTL Biocrude to Produce Fuel Blendstocks. Energy & Fuels, 2021, 35, 11346-11352.	2.5	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. Biomass and Bioenergy, 2018, 108, 198-206.	2.9	11
30	Role of peracetic acid on the disruption of lignin packing structure and its consequence on lignin depolymerisation. Green Chemistry, 2021, 23, 8468-8479.	4.6	11
31	Determination of low-level biogenic gasoline, jet fuel, and diesel in blends using the direct liquid scintillation counting method for 14C content. Fuel, 2021, 291, 120084.	3.4	9
32	Autoignition and select properties of low sample volume thermochemical mixtures from renewable sources. Fuel, 2019, 238, 493-506.	3.4	6
33	On-Line Raman Measurement of the Radiation-Enhanced Reaction of Cellobiose with Hydrogen Peroxide. ACS Omega, 2021, 6, 35457-35466.	1.6	4