

Karen S Arias

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

323
citations

1040056

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1199594

12
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all docs

12
docs citations

12
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of high quality alkyl naphthenic kerosene by reacting an oil refinery with a biomass refinery stream. <i>Energy and Environmental Science</i> , 2015, 8, 317-331.	30.8	81
2	Biomass-Derived Chemicals: Synthesis of Biodegradable Surfactant Ether Molecules from Hydroxymethylfurfural. <i>ChemSusChem</i> , 2014, 7, 210-220.	6.8	62
3	Polymers from biomass: one pot two-step synthesis of furilydenepropanenitrile derivatives with MIL-100(Fe) catalyst. <i>Catalysis Science and Technology</i> , 2017, 7, 3008-3016.	4.1	36
4	Chemoenzymatic Synthesis of 5-Hydroxymethylfurfural (HMF)-Derived Plasticizers by Coupling HMF Reduction with Enzymatic Esterification. <i>ChemSusChem</i> , 2020, 13, 1864-1875.	6.8	32
5	Two-Dimensional ITQ-2 Zeolite for Biomass Transformation: Synthesis of Alkyl 5-Benzyl-2-furoates as Intermediates for Fine Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6152-6159.	6.7	27
6	One-Pot Synthesis of Biomass-Derived Surfactants by Reacting Hydroxymethylfurfural, Glycerol, and Fatty Alcohols on Solid Acid Catalysts. <i>ChemSusChem</i> , 2018, 11, 2870-2880.	6.8	24
7	Transforming Methyl Levulinate into Biosurfactants and Biolubricants by Chemoselective Reductive Etherification with Fatty Alcohols. <i>ChemSusChem</i> , 2020, 13, 707-714.	6.8	23
8	Chemicals from Biomass: Synthesis of Biologically Active Furanochalcones by Claisen-Schmidt Condensation of Biomass-Derived 5-hydroxymethylfurfural (HMF) with Acetophenones. <i>Topics in Catalysis</i> , 2016, 59, 1257-1265.	2.8	19
9	Bimetallic CuFe nanoparticles as active and stable catalysts for chemoselective hydrogenation of biomass-derived platform molecules. <i>Catalysis Science and Technology</i> , 2021, 11, 3353-3363.	4.1	12
10	Selective Conversion of HMF into 3-Hydroxymethylcyclopentylamine through a One-Pot Cascade Process in Aqueous Phase over Bimetallic NiCo Nanoparticles as Catalyst. <i>ChemSusChem</i> , 2022, 15, .	6.8	5