

Kellene A Orton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In Situ and ex Situ Catalytic Pyrolysis of Pine in a Bench-Scale Fluidized Bed Reactor System. <i>Energy & Fuels</i> , 2016, 30, 2144-2157.	5.1	100
2	Driving towards cost-competitive biofuels through catalytic fast pyrolysis by rethinking catalyst selection and reactor configuration. <i>Energy and Environmental Science</i> , 2018, 11, 2904-2918.	30.8	95
3	Production of low-oxygen bio-oil via ex situ catalytic fast pyrolysis and hydrotreating. <i>Fuel</i> , 2017, 207, 413-422.	6.4	83
4	Multiscale Evaluation of Catalytic Upgrading of Biomass Pyrolysis Vapors on Ni- and Ga-Modified ZSM-5. <i>Energy & Fuels</i> , 2016, 30, 9471-9479.	5.1	57
5	Catalytic Pyrolysis of Pine Over HZSM-5 with Different Binders. <i>Topics in Catalysis</i> , 2016, 59, 94-108.	2.8	32
6	Characterization and Catalytic Upgrading of Aqueous Stream Carbon from Catalytic Fast Pyrolysis of Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11761-11769.	6.7	28
7	Ga/ZSM-5 catalyst improves hydrocarbon yields and increases alkene selectivity during catalytic fast pyrolysis of biomass with co-fed hydrogen. <i>Green Chemistry</i> , 2020, 22, 2403-2418.	9.0	26
8	Chemical and physical characterization of aerosols from fast pyrolysis of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 142, 104606.	5.5	22
9	Detailed Oil Compositional Analysis Enables Evaluation of Impact of Temperature and Biomass-to-Catalyst Ratio on ex Situ Catalytic Fast Pyrolysis of Pine Vapors over ZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1762-1773.	6.7	17
10	Inverse Bimetallic RuSn Catalyst for Selective Carboxylic Acid Reduction. <i>ACS Catalysis</i> , 2019, 9, 11350-11359.	11.2	15
11	Isotopic Studies for Tracking Biogenic Carbon during Co-processing of Biomass and Vacuum Gas Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2652-2664.	6.7	14
12	Catalytic Hot-Gas Filtration with a Supported Heteropolyacid Catalyst for Preconditioning Biomass Pyrolysis Vapors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14941-14952.	6.7	12
13	Optimizing Process Conditions during Catalytic Fast Pyrolysis of Pine with Pt/TiO ₂ "Improving the Viability of a Multiple-Fixed-Bed Configuration. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1235-1245.	6.7	10
14	Hydrotreating of Model Mixtures and Catalytic Fast Pyrolysis Oils over Pd/C. <i>Energy & Fuels</i> , 2018, 32, 12577-12586.	5.1	8
15	Molecular weight distribution of raw and catalytic fast pyrolysis oils: comparison of analytical methodologies. <i>RSC Advances</i> , 2020, 10, 3789-3795.	3.6	7
16	Accelerating catalyst development for biofuel production through multiscale catalytic fast pyrolysis of biomass over Mo ₂ C. <i>Chem Catalysis</i> , 2022, 2, 1819-1831.	6.1	5