

Klaus Raffelt

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Aldehydes and ketones in pyrolysis oil: analytical determination and their role in the aging process. RSC Advances, 2022, 12, 7374-7382.	3.6	5
2	Fast Pyrolysis Oil Upgrading via HDO with Fe-Promoted Nb ₂ O ₅ -Supported Pd-Based Catalysts. Energies, 2022, 15, 4762.	3.1	4
3	Thermochemical and Catalytic Conversion Technologies for the Development of Brazilian Biomass Utilization. Catalysts, 2021, 11, 1549.	3.5	4
4	From agriculture residue to upgraded product: The thermochemical conversion of sugarcane bagasse for fuel and chemical products. Fuel Processing Technology, 2020, 197, 106199.	7.2	48
5	Evaluation of High-Loaded Ni-Based Catalysts for Upgrading Fast Pyrolysis Bio-Oil. Catalysts, 2019, 9, 784.	3.5	10
6	Synthesis and Regeneration of Nickel-Based Catalysts for Hydrodeoxygenation of Beech Wood Fast Pyrolysis Bio-Oil. Catalysts, 2018, 8, 449.	3.5	22
7	Hydrotreatment of Fast Pyrolysis Bio-oil Fractions Over Nickel-Based Catalyst. Topics in Catalysis, 2018, 61, 1769-1782.	2.8	36
8	Influence of feedstock, catalyst, pyrolysis and hydrotreatment temperature on the composition of upgraded oils from intermediate pyrolysis. Biomass and Bioenergy, 2018, 116, 236-248.	5.7	39
9	Reactivity of platform molecules in pyrolysis oil and in water during hydrotreatment over nickel and ruthenium catalysts. Biomass and Bioenergy, 2017, 106, 63-73.	5.7	26
10	Effect of pyrolysis oil components on the activity and selectivity of nickel-based catalysts during hydrotreatment. Applied Catalysis A: General, 2017, 544, 161-172.	4.3	34
11	Bio-Slurries From Lignocellulose. , 2017, , 217-228.		1
12	Catalytic hydrodeoxygenation of pyrolysis oil over nickel-based catalysts under H ₂ /CO ₂ atmosphere. Sustainable Chemical Processes, 2016, 4, .	2.3	8
13	Fast Pyrolysis of Fresh Bio Waste and Ensiled Municipal Green Cut. Chemie-Ingenieur-Technik, 2015, 87, 1696-1706.	0.8	0
14	Mild hydrotreatment of the light fraction of fast-pyrolysis oil produced from straw over nickel-based catalysts. Biomass and Bioenergy, 2015, 83, 525-538.	5.7	47
15	The BTL2 Process of Biomass Utilization Entrained-Flow Gasification of Pyrolyzed Biomass Slurries. Applied Biochemistry and Biotechnology, 2006, 129, 153-164.	2.9	72