

Hctor Hernando

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

345
citations

8
h-index

17
g-index

17
ext. papers

449
ext. citations

5.6
avg, IF

3.29
L-index

#	Paper	IF	Citations
16	Lamellar and pillared ZSM-5 zeolites modified with MgO and ZnO for catalytic fast-pyrolysis of eucalyptus woodchips. <i>Catalysis Today</i> , 2016 , 277, 171-181	5.3	91
15	Engineering the acidity and accessibility of the zeolite ZSM-5 for efficient bio-oil upgrading in catalytic pyrolysis of lignocellulose. <i>Green Chemistry</i> , 2018 , 20, 3499-3511	10	65
14	Biomass catalytic fast pyrolysis over hierarchical ZSM-5 and Beta zeolites modified with Mg and Zn oxides. <i>Biomass Conversion and Biorefinery</i> , 2017 , 7, 289-304	2.3	55
13	Bio-oil production by lignocellulose fast-pyrolysis: Isolating and comparing the effects of indigenous versus external catalysts. <i>Fuel Processing Technology</i> , 2017 , 167, 563-574	7.2	32
12	Performance of MCM-22 zeolite for the catalytic fast-pyrolysis of acid-washed wheat straw. <i>Catalysis Today</i> , 2018 , 304, 30-38	5.3	24
11	The crucial role of clay binders in the performance of ZSM-5 based materials for biomass catalytic pyrolysis. <i>Catalysis Science and Technology</i> , 2019 , 9, 789-802	5.5	23
10	Scaling-Up of Bio-Oil Upgrading during Biomass Pyrolysis over ZrO /ZSM-5-Attapulgate. <i>ChemSusChem</i> , 2019 , 12, 2428-2438	8.3	13
9	Catalytic Copyrolysis of Lignocellulose and Polyethylene Blends over HBeta Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 6243-6254	3.9	12
8	Cascade Deoxygenation Process Integrating Acid and Base Catalysts for the Efficient Production of Second-Generation Biofuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18027-18037	8.3	8
7	Enhanced bio-oil upgrading in biomass catalytic pyrolysis using KH-ZSM-5 zeolite with acid-base properties. <i>Biomass Conversion and Biorefinery</i> , 2019 , 1	2.3	8
6	Effect of Mesoporosity, Acidity and Crystal Size of Zeolite ZSM-5 on Catalytic Performance during the Ex-situ Catalytic Fast Pyrolysis of Biomass. <i>ChemCatChem</i> , 2021 , 13, 1207-1219	5.2	6
5	Evaluating fractional pyrolysis for bio-oil speciation into holocellulose and lignin derived compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 154, 105019	6	3
4	Upscaling Effects on Alkali Metal-Grafted Ultrastable Y Zeolite Extrudates for Modeled Catalytic Deoxygenation of Bio-oils. <i>ChemCatChem</i> , 2021 , 13, 1951-1965	5.2	3
3	zsm-5 ZEOLITES PERFORMANCE ASSESSMENT IN CATALYTIC PYROLYSIS OF pvc-containing REAL WEEE PLASTIC wastes. <i>Catalysis Today</i> , 2021 ,	5.3	1
2	Selective Decarboxylation of Fatty Acids Catalyzed by Pd-Supported Hierarchical ZSM-5 Zeolite. <i>Energy & Fuels</i> ,	4.1	1
1	Deactivation and regeneration of solid acid and base catalyst bodies used in cascade for bio-oil synthesis and upgrading. <i>Journal of Catalysis</i> , 2021 , 405, 641-641	7.3	0