

Catalytic fast pyrolysis of biomass: superior selectivity aromatics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Catalytic Fast Pyrolysis of Biomass over Microporous and Hierarchical Zeolites: Characterization of Heavy Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4717-4728.	3.2	62
2	Advancing catalytic fast pyrolysis through integrated multiscale modeling and experimentation: Challenges, progress, and perspectives. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018, 7, e297.	1.9	30
3	The effect of industrial waste coal bottom ash as catalyst in catalytic pyrolysis of rice husk for syngas production. <i>Energy Conversion and Management</i> , 2018, 165, 541-554.	4.4	97
4	Catalytic Pyrolysis of Biomass and Polymer Wastes. <i>Catalysts</i> , 2018, 8, 659.	1.6	113
5	Advancement in technologies for the depolymerization of lignin. <i>Fuel Processing Technology</i> , 2018, 181, 115-132.	3.7	159
6	Catalytic pyrolysis of xylan over alkali metal salts as revealed by synchrotron vacuum ultraviolet photoionization mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 94-100.	2.6	23
7	Catalytic fast pyrolysis with metal-modified ZSM-5 catalysts in inert and hydrogen atmospheres. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 199-208.	2.6	31
8	From 3D to 2D zeolite catalytic materials. <i>Chemical Society Reviews</i> , 2018, 47, 8263-8306.	18.7	230
9	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.	4.6	101
10	Catalytic Fast Pyrolysis of Kraft Lignin over Hierarchical HZSM-5 and H ¹² Zeolites. <i>Catalysts</i> , 2018, 8, 82.	1.6	35
11	Role of Biopolymers in the Deactivation of ZSM-5 during Catalytic Fast Pyrolysis of Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10030-10038.	3.2	62
12	A review on biopolymer production via lignin valorization. <i>Bioresource Technology</i> , 2019, 290, 121790.	4.8	180
13	Towards circular economy: integration of bio-waste into chemical supply chain. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 148-156.	3.8	35
14	Contribution of Fourier transform mass spectrometry to bio-oil study. , 2019, , 679-733.		7
15	Enhancement of light aromatics from catalytic fast pyrolysis of cellulose over bifunctional hierarchical HZSM-5 modified by hydrogen fluoride and nickel/hydrogen fluoride. <i>Bioresource Technology</i> , 2019, 278, 116-123.	4.8	90
16	Deoxygenation of Wheat Straw Fast Pyrolysis Vapors using HZSM-5, Al ₂ O ₃ , HZSM-5/Al ₂ O ₃ Extrudates, and Desilicated HZSM-5/Al ₂ O ₃ Extrudates. <i>Energy & Fuels</i> , 2019, 33, 6405-6420.	2.5	26
17	Catalytic deoxygenation of vapors obtained from ablative fast pyrolysis of wheat straw using mesoporous HZSM-5. <i>Fuel Processing Technology</i> , 2019, 194, 106119.	3.7	30
18	Catalytic fast pyrolysis of maize straw with a core-shell ZSM-5@SBA-15 catalyst for producing phenols and hydrocarbons. <i>Bioresource Technology</i> , 2019, 289, 121691.	4.8	57

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20	Advances in the Green Synthesis of Microporous and Hierarchical Zeolites: A Short Review. <i>Catalysts</i> , 2019, 9, 274.	1.6	44
21	Vapor-Phase Stabilization of Biomass Pyrolysis Vapors Using Mixed-Metal Oxide Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7386-7394.	3.2	15
22	Renewable aromatics through catalytic flash pyrolysis of pineapple crown leaves using HZSM-5 synthesized with RHA and diatomite. <i>Waste Management</i> , 2019, 88, 347-355.	3.7	27
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25	Upgrading of Kraft Lignin-Derived Bio-Oil over Hierarchical and Nonhierarchical Ni and/or Zn/HZSM5 Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22791-22803.	1.8	6
26	Effect of zeolite structure on light aromatics formation during upgrading of cellulose fast pyrolysis vapor. <i>Journal of the Energy Institute</i> , 2019, 92, 1567-1576.	2.7	37
27	Catalytic pyrolysis of lignin over hierarchical HZSM-5 zeolites prepared by post-treatment with alkaline solutions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 86-95.	2.6	55
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33	Investigation on the co-combustion mechanism of coal and biomass on a fixed-bed reactor with advanced mass spectrometry. <i>Renewable Energy</i> , 2020, 149, 1068-1076.	4.3	9
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67	Methanol to Aromatic Reaction over HZSM-5: Co-Effect Desilication and SiO ₂ Deposition. <i>Kinetics and Catalysis</i> , 2021, 62, 418-427.	0.3	3
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