

Bo Zhang

List of Publications by Year in descending order

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23
papers

1,202
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of aromatic hydrocarbons from catalytic co-pyrolysis of biomass and high density polyethylene: Analytical Py-GC/MS study. <i>Fuel</i> , 2015, 139, 622-628.	6.4	166
2	Fast microwave-assisted catalytic co-pyrolysis of corn stover and scum for bio-oil production with CaO and HZSM-5 as the catalyst. <i>Bioresource Technology</i> , 2016, 204, 164-170.	9.6	151
3	Fast microwave-assisted catalytic co-pyrolysis of microalgae and scum for bio-oil production. <i>Fuel</i> , 2015, 160, 577-582.	6.4	135
4	Catalytic fast co-pyrolysis of bamboo residual and waste lubricating oil over an ex-situ dual catalytic beds of MgO and HZSM-5: Analytical PY-GC/MS study. <i>Energy Conversion and Management</i> , 2017, 139, 222-231.	9.2	118
5	Two-step fast microwave-assisted pyrolysis of biomass for bio-oil production using microwave absorbent and HZSM-5 catalyst. <i>Journal of Environmental Sciences</i> , 2016, 45, 240-247.	6.1	64
6	Catalytic fast co-pyrolysis of waste greenhouse plastic films and rice husk using hierarchical micro-mesoporous composite molecular sieve. <i>Waste Management</i> , 2020, 102, 561-568.	7.4	58
7	Mechanism of synergistic effects and kinetics analysis in catalytic co-pyrolysis of water hyacinth and HDPE. <i>Energy Conversion and Management</i> , 2021, 228, 113717.	9.2	52
8	Conversion of poultry litter into bio-oil by microwave-assisted catalytic fast pyrolysis using microwave absorbent and hierarchical ZSM-5/MCM-41 catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 233-240.	5.5	48
9	Biofuel production from distillers dried grains with solubles (DDGS) co-fed with waste agricultural plastic mulching films via microwave-assisted catalytic fast pyrolysis using microwave absorbent and hierarchical ZSM-5/MCM-41 catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 1-7.	5.5	43
10	Microwave-assisted catalytic fast co-pyrolysis of <i>Ageratina adenophora</i> and kerogen with CaO and ZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 127, 246-257.	5.5	42
11	Effect of alkali-treated HZSM-5 zeolite on the production of aromatic hydrocarbons from microwave assisted catalytic fast pyrolysis (MACFP) of rice husk. <i>Science of the Total Environment</i> , 2020, 703, 134605.	8.0	38
12	Microwave-assisted catalytic fast pyrolysis of spent edible mushroom substrate for bio-oil production using surface modified zeolite catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 123, 92-98.	5.5	36
13	Catalytic fast co-pyrolysis of biomass and fusel alcohol to enhance aromatic hydrocarbon production over ZSM-5 catalyst in a fluidized bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 133, 147-153.	5.5	34
14	A minireview on catalytic fast co-pyrolysis of lignocellulosic biomass for bio-oil upgrading via enhancing monocyclic aromatics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 164, 105544.	5.5	34
15	Catalytic fast pyrolysis of rice husk over hierarchical micro-mesoporous composite molecular sieve: Analytical Py-GC/MS study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 138, 103-113.	5.5	31
16	Syngas production and trace element emissions from microwave-assisted chemical looping gasification of heavy metal hyperaccumulators. <i>Science of the Total Environment</i> , 2019, 659, 612-620.	8.0	25
17	Enhancing hydrocarbon production via ex-situ catalytic co-pyrolysis of biomass and high-density polyethylene: Study of synergistic effect and aromatics selectivity. <i>Waste Management</i> , 2021, 128, 189-199.	7.4	24
18	Bio-oil production from sequential two-step microwave-assisted catalytic fast pyrolysis of water hyacinth using Ce-doped γ -Al ₂ O ₃ /ZrO ₂ composite mesoporous catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 132, 143-150.	5.5	22

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19	Influence of Reaction Atmosphere (N_2 , CO , CO_2 , and H_2) on ZSM-5 Catalyzed Microwave-Induced Fast Pyrolysis of Medicinal Herb Residue for Biofuel Production. <i>Energy & Fuels</i> , 2017, 31, 9627-9632.	5.1	20
20	Low-Energy Mild Electrocatalytic Hydrogenation of Bio-oil Using Ruthenium Anchored in Ordered Mesoporous Carbon. <i>ACS Applied Energy Materials</i> , 2018, 1, 6758-6763.	5.1	18
21	Bio-oil Upgrading via Ether Extraction, Looped-Oxide Catalytic Deoxygenation, and Mild Electrocatalytic Hydrogenation Techniques. <i>Energy & Fuels</i> , 2020, 34, 9725-9733.	5.1	15
22	Ex-situ catalytic upgrading of vapors from microwave-assisted pyrolysis of bamboo with chemical liquid deposition modified HZSM-5 to enhance aromatics production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 149, 104857.	5.5	14
23	Enhancing production of hydrocarbon-rich bio-oil from biomass via catalytic fast pyrolysis coupled with advanced oxidation process pretreatment. <i>Bioresource Technology</i> , 2022, 359, 127450.	9.6	14