Yunfeng Zhao

List of Publications by Year
in descending order

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20	845	566801 15	752256 20
papers	citations	h-index	g-index

20	20	20	826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ex-situ catalytic co-pyrolysis of lignin and polypropylene to upgrade bio-oil quality by microwave heating. Bioresource Technology, 2017, 241, 207-213.	4.8	94
2	Catalytic fast pyrolysis of torrefied corn cob to aromatic hydrocarbons over Ni-modified hierarchical ZSM-5 catalyst. Bioresource Technology, 2019, 272, 407-414.	4.8	86
3	Production of bio-oil and biochar from soapstock via microwave-assisted co-catalytic fast pyrolysis. Bioresource Technology, 2017, 225, 1-8.	4.8	83
4	Fast microwave-assisted ex-catalytic co-pyrolysis of bamboo and polypropylene for bio-oil production. Bioresource Technology, 2018, 249, 69-75.	4.8	81
5	Microwave-assisted acid pretreatment of alkali lignin: Effect on characteristics and pyrolysis behavior. Bioresource Technology, 2018, 251, 57-62.	4.8	71
6	Microwave-assisted co-pyrolysis of lignin and waste oil catalyzed by hierarchical ZSM-5/MCM-41 catalyst to produce aromatic hydrocarbons. Bioresource Technology, 2019, 289, 121609.	4.8	51
7	Catalytic co-pyrolysis of waste vegetable oil and high density polyethylene for hydrocarbon fuel production. Waste Management, 2017, 61, 276-282.	3.7	49
8	Hydrothermal pretreatment of bamboo sawdust using microwave irradiation. Bioresource Technology, 2018, 247, 234-241.	4.8	48
9	Fast microwave-assisted catalytic co-pyrolysis of straw stalk and soapstock for bio-oil production. Journal of Analytical and Applied Pyrolysis, 2017, 124, 35-41.	2.6	40
10	Microwave-assisted catalytic fast co-pyrolysis of soapstock and waste tire for bio-oil production. Journal of Analytical and Applied Pyrolysis, 2017, 125, 304-309.	2.6	39
11	Ex-situ catalytic upgrading of vapors from fast microwave-assisted co-pyrolysis of Chromolaena odorata and soybean soapstock. Bioresource Technology, 2018, 261, 306-312.	4.8	37
12	Microwave-assisted catalytic co-pyrolysis of soybean straw and soapstock for bio-oil production using SiC ceramic foam catalyst. Journal of Analytical and Applied Pyrolysis, 2018, 133, 76-81.	2.6	34
13	Microwave-assisted co-pyrolysis of pretreated lignin and soapstock for upgrading liquid oil: Effect of pretreatment parameters on pyrolysis behavior. Bioresource Technology, 2018, 258, 98-104.	4.8	28
14	Integrating pyrolysis and ex-situ catalytic reforming by microwave heating to produce hydrocarbon-rich bio-oil from soybean soapstock. Bioresource Technology, 2020, 302, 122843.	4.8	21
15	Microwave-assisted catalytic pyrolysis of Chinese tallow kernel oil for aromatic production in a downdraft reactor. Journal of Analytical and Applied Pyrolysis, 2018, 133, 16-21.	2.6	20
16	Co-pyrolysis of microwave-assisted acid pretreated bamboo sawdust and soapstock. Bioresource Technology, 2018, 265, 33-38.	4.8	18
17	Bamboo biochar-catalytic degradation of lignin under microwave heating. Journal of Wood Chemistry and Technology, 2020, 40, 190-199.	0.9	12
18	Microwave-assisted synthesis of bifunctional magnetic solid acid for hydrolyzing cellulose to prepare nanocellulose. Science of the Total Environment, 2020, 731, 138751.	3.9	12

#	Article	IF	Citations
19	Conversion of woody oil into bio-oil in a downdraft reactor using a novel silicon carbide foam supported MCM41 composite catalyst. RSC Advances, 2019, 9, 19729-19739.	1.7	11
20	Improved exfoliation of surface-functionalized graphene oxide by epoxy monomer and enhanced mechanical properties of epoxy nanocomposites. Journal of Materials Science, 2022, 57, 366-382.	1.7	10