Ying Gao

List of Publications by Year
in descending order

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		759233	752698
20	939	12	20
papers	citations	h-index	g-index

20	20	20	1126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of residence time on chemical and structural properties of hydrochar obtained by hydrothermal carbonization of water hyacinth. Energy, 2013, 58, 376-383.	8.8	208
2	Characterization of products from hydrothermal treatments of cellulose. Energy, 2012, 42, 457-465.	8.8	176
3	Characterization and pelletization of cotton stalk hydrochar from HTC and combustion kinetics of hydrochar pellets by TGA. Fuel, 2019, 244, 479-491.	6.4	90
4	Biomass-derived nitrogen self-doped carbon dots via a simple one-pot method: Physicochemical, structural, and luminescence properties. Applied Surface Science, 2020, 510, 145437.	6.1	83
5	Characterization of dairy manure hydrochar and aqueous phase products generated by hydrothermal carbonization at different temperatures. Journal of Analytical and Applied Pyrolysis, 2017, 127, 335-342.	5.5	78
6	Characterization of products from hydrothermal liquefaction and carbonation of biomass model compounds and real biomass. Journal of Fuel Chemistry and Technology, 2011, 39, 893-900.	2.0	69
7	Pyrolysis of rapeseed stalk: Influence of temperature on product characteristics and economic costs. Energy, 2017, 122, 482-491.	8.8	44
8	Microwave-assisted hydrothermal carbonization of dairy manure: Chemical and structural properties of the products. Energy, 2018, 165, 662-672.	8.8	41
9	Physicochemical, Pyrolytic, and Combustion Characteristics of Hydrochar Obtained by Hydrothermal Carbonization of Biomass. BioResources, 2016, 11, .	1.0	26
10	Non-thermal effect of microwave on the chemical structure and luminescence properties of biomass-derived carbon dots via hydrothermal method. Applied Surface Science, 2021, 552, 149503.	6.1	24
11	Preparation and characterization of hydrochar-derived activated carbon from glucose by hydrothermal carbonization. Biomass Conversion and Biorefinery, 2023, 13, 3785-3796.	4.6	18
12	Orthogonal test design to optimize products and to characterize heavy oil via biomass hydrothermal treatment. Energy, 2015, 88, 139-148.	8.8	15
13	Nitrogen migration in products during the microwave-assisted hydrothermal carbonization of spirulina platensis. Bioresource Technology, 2022, 351, 126968.	9.6	12
14	Experimental study on catalytic pyrolysis of oily sludge for H2 production under new nickel-ore-based catalysts. Energy, 2022, 249, 123675.	8.8	12
15	Synthesis, solution and solid-state fluorescence of nitrogen self-doped carbon dots derived from Chlorella pyrenoidosa. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127741.	4.7	11
16	Parametric study of catalytic co-gasification of cotton stalk and aqueous phase from wheat straw using hydrothermal carbonation. Energy, 2021, 216, 119266.	8.8	10
17	COSMO-based solvent selection and Aspen Plus process simulation for tar absorptive removal. Applied Energy, 2019, 251, 113314.	10.1	7
18	Hydrogen-rich gas production from the gasification of biomass and hydrothermal carbonization (HTC) aqueous phase. Biomass Conversion and Biorefinery, 2023, 13, 1529-1538.	4.6	7

#	Article	IF	Citations
19	Nitrogen-rich soybean protein isolate derived â€œSelf-Dopingâ€•carbon nano-onions for luminescence properties. Applied Surface Science, 2022, 595, 153492.	6.1	5
20	Use of Extreme Vertices Method for Analysis of How Proportional Composition Affects Component Interactions and Product Distribution during Hydrothermal Treatment. BioResources, 2016, 11, .	1.0	3