

Ning Cai

List of Publications by Year in Descending Order

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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.

13
papers

175
citations

7
h-index

13
g-index

14
ext. papers

339
ext. citations

8.9
avg, IF

3.16
L-index

#	Paper	IF	Citations
13	Application of Carbon Nanotubes from Waste Plastics As Filler to Epoxy Resin Composite.. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2204-2213	8.3	5
12	Fe ₃ O ₄ based synergistic catalytic graphitization of biomass: Influence of the catalyst type and the pyrolytic temperature. <i>Energy</i> , 2022 , 239, 122262	7.9	3
11	Hydrogen and aromatics recovery through plasma-catalytic pyrolysis of waste polypropylene. <i>Journal of Cleaner Production</i> , 2022 , 350, 131467	10.3	0
10	Reaction kinetics, mechanism, and product analysis of the iron catalytic graphitization of cellulose. <i>Journal of Cleaner Production</i> , 2021 , 329, 129735	10.3	2
9	High-value products from ex-situ catalytic pyrolysis of polypropylene waste using iron-based catalysts: the influence of support materials. <i>Waste Management</i> , 2021 , 136, 47-56	8.6	4
8	Temperature-dependent magnesium citrate modified formation of MgO nanoparticles biochar composites with efficient phosphate removal. <i>Chemosphere</i> , 2021 , 274, 129904	8.4	11
7	Pyrolysis-catalysis of different waste plastics over Fe/Al ₂ O ₃ catalyst: High-value hydrogen, liquid fuels, carbon nanotubes and possible reaction mechanisms. <i>Energy Conversion and Management</i> , 2021 , 229, 113794	10.6	23
6	Influence of the ratio of Fe/Al ₂ O ₃ on waste polypropylene pyrolysis for high value-added products. <i>Journal of Cleaner Production</i> , 2021 , 315, 128240	10.3	2
5	Bimetallic carbon nanotube encapsulated Fe-Ni catalysts from fast pyrolysis of waste plastics and their oxygen reduction properties. <i>Waste Management</i> , 2020 , 109, 119-126	8.6	26
4	Preparation of Iron- and Nitrogen-Codoped Carbon Nanotubes from Waste Plastics Pyrolysis for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2020 , 13, 938-944	8.3	25
3	Synthesis and formation mechanism of biomass-based mesoporous graphitic carbon. <i>Fuel Processing Technology</i> , 2020 , 209, 106543	7.2	16
2	Pyrolysis of Chinese chestnut shells: Effects of temperature and Fe presence on product composition. <i>Bioresource Technology</i> , 2019 , 287, 121444	11	22
1	Hydrogen production from cellulose catalytic gasification on CeO ₂ /Fe ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2018 , 171, 241-248	10.6	36