

# Ning Cai

## List of Publications by Citations

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