

Ning Cai

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 4.4 | 105 |
| 2 | Hydrogen production from cellulose catalytic gasification on CeO ₂ /Fe ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2018, 171, 241-248. | 4.4 | 55 |
| 3 | Pyrolysis of Chinese chestnut shells: Effects of temperature and Fe presence on product composition. <i>Bioresource Technology</i> , 2019, 287, 121444. | 4.8 | 50 |
| 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. | 3.6 | 49 |
| 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. | 3.7 | 45 |
| 6 | Synthesis and formation mechanism of biomass-based mesoporous graphitic carbon. <i>Fuel Processing Technology</i> , 2020, 209, 106543. | 3.7 | 43 |
| 7 | Temperature-dependent magnesium citrate modified formation of MgO nanoparticles biochar composites with efficient phosphate removal. <i>Chemosphere</i> , 2021, 274, 129904. | 4.2 | 42 |
| 8 | 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. | 3.7 | 33 |
| 9 | Fe-Co based synergistic catalytic graphitization of biomass: Influence of the catalyst type and the pyrolytic temperature. <i>Energy</i> , 2022, 239, 122262. | 4.5 | 25 |
| 10 | Hydrogen and aromatics recovery through plasma-catalytic pyrolysis of waste polypropylene. <i>Journal of Cleaner Production</i> , 2022, 350, 131467. | 4.6 | 24 |
| 11 | 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. | 4.6 | 22 |
| 12 | Application of Carbon Nanotubes from Waste Plastics As Filler to Epoxy Resin Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2204-2213. | 3.2 | 20 |
| 13 | Reaction kinetics, mechanism, and product analysis of the iron catalytic graphitization of cellulose. <i>Journal of Cleaner Production</i> , 2021, 329, 129735. | 4.6 | 19 |
| 14 | Distinguishing the impact of temperature on iron catalyst during the catalytic-pyrolysis of waste polypropylene. <i>Proceedings of the Combustion Institute</i> , 2023, 39, 835-845. | 2.4 | 1 |