

# Dingding Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,979  
citations

394421

19  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent adsorption of waterborne Benzophenone-3 on microplastics and its desorption under simulated gastrointestinal conditions. <i>Chemosphere</i> , 2022, 286, 131735.	8.2	25
2	Conversion of Waste Plastic Packings to Carbon Nanomaterials: Investigation into Catalyst Material, Waste Type, and Product Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1125-1136.	6.7	39
3	Plastic-containing food waste conversion to biomethane, syngas, and biochar via anaerobic digestion and gasification: Focusing on reactor performance, microbial community analysis, and energy balance assessment. <i>Journal of Environmental Management</i> , 2022, 306, 114471.	7.8	14
4	Life cycle climate change mitigation through next-generation urban waste recovery systems in high-density Asian cities: A Singapore Case Study. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106265.	10.8	7
5	Solar pyrolysis of waste plastics with photothermal catalysts for high-value products. <i>Fuel Processing Technology</i> , 2022, 230, 107205.	7.2	26
6	Preparation and formation mechanism of biomass-based graphite carbon catalyzed by iron nitrate under a low-temperature condition. <i>Journal of Environmental Management</i> , 2022, 318, 115555.	7.8	15
7	Carbon nanotubes from post-consumer waste plastics: Investigations into catalyst metal and support material characteristics. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119413.	20.2	103
8	Impact of temperature on the activity of Fe-Ni catalysts for pyrolysis and decomposition processing of plastic waste. <i>Chemical Engineering Journal</i> , 2021, 408, 127268.	12.7	96
9	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4173-4208.	4.9	33
10	Comparison of waste plastics pyrolysis under nitrogen and carbon dioxide atmospheres: A thermogravimetric and kinetic study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105135.	5.5	42
11	Removal of impurities from waste tire pyrolysis char using the molten salt thermal treatment. <i>Fuel</i> , 2021, 301, 121019.	6.4	17
12	Influence of partial components removal on pyrolysis behavior of lignocellulosic biowaste in molten salts. <i>Renewable Energy</i> , 2021, 180, 616-625.	8.9	8
13	Thermal behavior, kinetics and gas evolution characteristics for the co-pyrolysis of real-world plastic and tyre wastes. <i>Journal of Cleaner Production</i> , 2020, 260, 121102.	9.3	93
14	Pyrolysis and in-line catalytic decomposition of polypropylene to carbon nanomaterials and hydrogen over Fe- and Ni-based catalysts. <i>Applied Energy</i> , 2020, 265, 114819.	10.1	108
15	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.	7.4	45
16	Influence of Biochar on the Steam Reforming of Biomass Volatiles: Effects of Activation Temperature and Atmosphere. <i>Energy &amp; Fuels</i> , 2019, 33, 2328-2334.	5.1	19
17	Investigation of nickel-impregnated zeolite catalysts for hydrogen/syngas production from the catalytic reforming of waste polyethylene. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 477-487.	20.2	145
18	Study on intrinsic reaction behavior and kinetics during reduction of iron ore pellets by utilization of biochar. <i>Energy Conversion and Management</i> , 2018, 158, 1-8.	9.2	35

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19	Co-production of hydrogen and carbon nanotubes from real-world waste plastics: Influence of catalyst composition and operational parameters. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 584-597.	20.2	206
20	Co-precipitation, impregnation and so-gel preparation of Ni catalysts for pyrolysis-catalytic steam reforming of waste plastics. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 565-577.	20.2	166
21	Co-production of hydrogen and carbon nanotubes from catalytic pyrolysis of waste plastics on Ni-Fe bimetallic catalyst. <i>Energy Conversion and Management</i> , 2017, 148, 692-700.	9.2	180
22	Hydrogen production from biomass gasification using biochar as a catalyst/support. <i>Bioresource Technology</i> , 2016, 216, 159-164.	9.6	215
23	The densification of bio-char: Effect of pyrolysis temperature on the qualities of pellets. <i>Bioresource Technology</i> , 2016, 200, 521-527.	9.6	88
24	Effects of binders on the properties of bio-char pellets. <i>Applied Energy</i> , 2015, 157, 508-516.	10.1	172
25	Hydrogen production from catalytic reforming of the aqueous fraction of pyrolysis bio-oil with modified Ni-Al catalysts. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14642-14652.	7.1	82