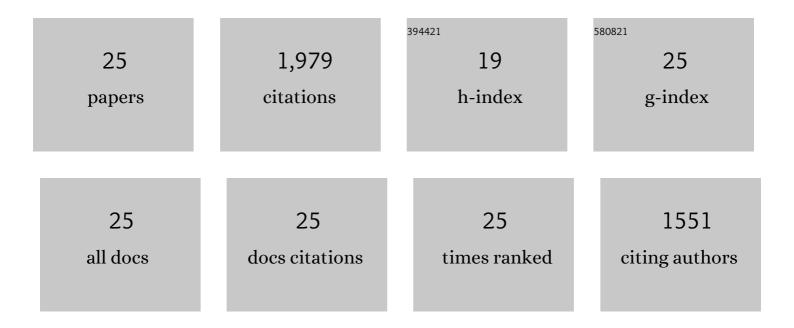
Dingding Yao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Size-dependent adsorption of waterborne Benzophenone-3 on microplastics and its desorption under simulated gastrointestinal conditions. Chemosphere, 2022, 286, 131735.	8.2	25
2	Conversion of Waste Plastic Packings to Carbon Nanomaterials: Investigation into Catalyst Material, Waste Type, and Product Applications. ACS Sustainable Chemistry and Engineering, 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. Journal of Environmental Management, 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. Resources, Conservation and Recycling, 2022, 181, 106265.	10.8	7
5	Solar pyrolysis of waste plastics with photothermal catalysts for high-value products. Fuel Processing Technology, 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. Journal of Environmental Management, 2022, 318, 115555.	7.8	15
7	Carbon nanotubes from post-consumer waste plastics: Investigations into catalyst metal and support material characteristics. Applied Catalysis B: Environmental, 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. Chemical Engineering Journal, 2021, 408, 127268.	12.7	96
9	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
10	Comparison of waste plastics pyrolysis under nitrogen and carbon dioxide atmospheres: A thermogravimetric and kinetic study. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105135.	5.5	42
11	Removal of impurities from waste tire pyrolysis char using the molten salt thermal treatment. Fuel, 2021, 301, 121019.	6.4	17
12	Influence of partial components removal on pyrolysis behavior of lignocellulosic biowaste in molten salts. Renewable Energy, 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. Journal of Cleaner Production, 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. Applied Energy, 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. Waste Management, 2020, 109, 119-126.	7.4	45
16	Influence of Biochar on the Steam Reforming of Biomass Volatiles: Effects of Activation Temperature and Atmosphere. Energy & Fuels, 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. Applied Catalysis B: Environmental, 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. Energy Conversion and Management, 2018, 158, 1-8.	9.2	35

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#	Article	IF	CITATIONS
19	Co-production of hydrogen and carbon nanotubes from real-world waste plastics: Influence of catalyst composition and operational parameters. Applied Catalysis B: Environmental, 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. Applied Catalysis B: Environmental, 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. Energy Conversion and Management, 2017, 148, 692-700.	9.2	180
22	Hydrogen production from biomass gasification using biochar as a catalyst/support. Bioresource Technology, 2016, 216, 159-164.	9.6	215
23	The densification of bio-char: Effect of pyrolysis temperature on the qualities of pellets. Bioresource Technology, 2016, 200, 521-527.	9.6	88
24	Effects of binders on the properties of bio-char pellets. Applied Energy, 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. International Journal of Hydrogen Energy, 2014, 39, 14642-14652.	7.1	82