Ye Shui Zhang

List of Publications by Year
in descending order

29 papers	1,228 citations	430874 18 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	909 citing authors

#	Article	IF	Citations
1	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
2	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
3	Pyrolysisâ€"Catalytic Reforming/Gasification of Waste Tires for Production of Carbon Nanotubes and Hydrogen. Energy & Fuels, 2015, 29, 3328-3334.	5.1	77
4	Development of Ni- and Fe- based catalysts with different metal particle sizes for the production of carbon nanotubes and hydrogen from thermo-chemical conversion of waste plastics. Journal of Analytical and Applied Pyrolysis, 2017, 125, 32-39.	5.5	77
5	A Review of Lithiumâ€Ion Battery Electrode Drying: Mechanisms and Metrology. Advanced Energy Materials, 2022, 12, .	19.5	70
6	Carbon nanotubes and hydrogen production from the pyrolysis catalysis or catalytic-steam reforming of waste tyres. Journal of Analytical and Applied Pyrolysis, 2016, 122, 490-501.	5.5	60
7	Co-gasification of beech-wood and polyethylene in a fluidized-bed reactor. Fuel Processing Technology, 2019, 190, 29-37.	7.2	49
8	Waste plastics recycling for producing high-value carbon nanotubes: Investigation of the influence of Manganese content in Fe-based catalysts. Journal of Hazardous Materials, 2021, 402, 123726.	12.4	49
9	Cracking predictions of lithium-ion battery electrodes by X-ray computed tomography and modelling. Journal of Power Sources, 2022, 526, 231119.	7.8	47
10	Feâ€"Niâ€"MCM-41 Catalysts for Hydrogen-Rich Syngas Production from Waste Plastics by Pyrolysisâ€"Catalytic Steam Reforming. Energy & Fuels, 2017, 31, 8497-8504.	5.1	45
11	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
12	Dendrite suppression by anode polishing in zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 15355-15362.	10.3	41
13	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
14	Parametric gasification process of sugarcane bagasse for syngas production. International Journal of Hydrogen Energy, 2019, 44, 16234-16247.	7.1	30
15	Fine structural changes of fluid catalytic catalysts and characterization of coke formed resulting from heavy oil devolatilization. Applied Catalysis B: Environmental, 2020, 263, 118329.	20.2	28
16	Pyrolysisâ€"catalysis of waste plastic using a nickelâ€"stainless-steel mesh catalyst for high-value carbon products. Environmental Technology (United Kingdom), 2017, 38, 2889-2897.	2.2	27
17	Recent advances in acoustic diagnostics for electrochemical power systems. JPhys Energy, 2021, 3, 032011.	5.3	20
18	Influence of silicaâ€"alumina support ratio on H₂ production and catalyst carbon deposition from the Ni-catalytic pyrolysis/reforming of waste tyres. Waste Management and Research, 2017, 35, 1045-1054.	3.9	18

#	Article	IF	Citations
19	In Situ Ultrasound Acoustic Measurement of the Lithium-Ion Battery Electrode Drying Process. ACS Applied Materials & Interfaces, 2021, 13, 36605-36620.	8.0	18
20	Microwave-assisted Hydrothermal Carbonization for Solid Biofuel Application: A Brief Review. Carbon Capture Science & Technology, 2021, 1, 100014.	10.4	18
21	Study of H2S Removal Capability from Simulated Biogas by Using Waste-Derived Adsorbent Materials. Processes, 2020, 8, 1030.	2.8	17
22	A study of coke formed by heavy oil volatilization/decomposition on Y-zeolite. Journal of Analytical and Applied Pyrolysis, 2019, 141, 104630.	5.5	14
23	High-value resource recovery products from waste tyres. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2016, 169, 137-145.	0.8	13
24	Hybrid-functional material for sorption-enhanced hydrogen-rich syngas production from biomass: Effect of material preparation process. Biomass and Bioenergy, 2021, 144, 105886.	5.7	11
25	Towards a mechanistic understanding of particle shrinkage during biomass pyrolysis via synchrotron X-ray microtomography and in-situ radiography. Scientific Reports, 2021, 11, 2656.	3.3	10
26	Applications of advanced metrology for understanding the effects of drying temperature in the lithium-ion battery electrode manufacturing process. Journal of Materials Chemistry A, 2022, 10, 10593-10603.	10.3	10
27	Study of Tire Pyrolysis Oil Model Compound Structure on Carbon Nanomaterial Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 800-809.	6.7	7
28	Towards integrated gasification and fuel cell operation with carbon capture: Impact of fuel gas on anode materials. Fuel, 2022, 318, 123561.	6.4	5
29	Effective Ultrasound Acoustic Measurement to Monitor the Lithium-Ion Battery Electrode Drying Process with Various Coating Thicknesses. ACS Applied Materials & Interfaces, 2022, 14, 2092-2101.	8.0	4