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	A Review of Lithiumâ€ion Battery Electrode Drying: Mechanisms and Metrology. Advanced Energy Materials, 2022, 12, .	19.5	70
2	Study of Tire Pyrolysis Oil Model Compound Structure on Carbon Nanomaterial Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 800-809.	6.7	7
3	Cracking predictions of lithium-ion battery electrodes by X-ray computed tomography and modelling. Journal of Power Sources, 2022, 526, 231119.	7.8	47
4	Towards integrated gasification and fuel cell operation with carbon capture: Impact of fuel gas on anode materials. Fuel, 2022, 318, 123561.	6.4	5
5	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
6	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
7	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
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	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
10	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
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	Recent advances in acoustic diagnostics for electrochemical power systems. JPhys Energy, 2021, 3, 032011.	5.3	20
13	In Situ Ultrasound Acoustic Measurement of the Lithium-Ion Battery Electrode Drying Process. ACS Applied Materials & Interfaces, 2021, 13, 36605-36620.	8.0	18
14	Dendrite suppression by anode polishing in zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 15355-15362.	10.3	41
15	Microwave-assisted Hydrothermal Carbonization for Solid Biofuel Application: A Brief Review. Carbon Capture Science & Technology, 2021, 1, 100014.	10.4	18
16	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
17	Study of H2S Removal Capability from Simulated Biogas by Using Waste-Derived Adsorbent Materials. Processes, 2020, 8, 1030.	2.8	17
18	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

#	Article	IF	Citations
19	Parametric gasification process of sugarcane bagasse for syngas production. International Journal of Hydrogen Energy, 2019, 44, 16234-16247.	7.1	30
20	Co-gasification of beech-wood and polyethylene in a fluidized-bed reactor. Fuel Processing Technology, 2019, 190, 29-37.	7.2	49
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Pyrolysisâ€“Catalytic Reforming/Gasification of Waste Tires for Production of Carbon Nanotubes and Hydrogen. Energy & Fuels, 2015, 29, 3328-3334.	5.1	77