

# Wenchao

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

778  
citations

623734

14  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the impact of some independent parameters on the syngas characteristics during plasma gasification of municipal solid waste using artificial neural network and stepwise linear regression methods. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112052.	16.4	14
2	BASIC: A Comprehensive Model for SO <sub>x</sub> Formation Mechanism and Optimization in Municipal Solid Waste (MSW) Combustion. <i>ACS Omega</i> , 2022, 7, 3860-3871.	3.5	4
3	Study on the pyrolysis behaviors of mixed waste plastics. <i>Renewable Energy</i> , 2021, 173, 662-674.	8.9	49
4	Waste to energy (WTE) in China: from latecomer to front runner. <i>Waste Disposal &amp; Sustainable Energy</i> , 2021, 3, 267-274.	2.5	14
5	The fate of chlorine during MSW incineration: Vaporization, transformation, deposition, corrosion and remedies. <i>Progress in Energy and Combustion Science</i> , 2020, 76, 100789.	31.2	139
6	Hydrothermal Liquefaction of Sewage Sludge by Microwave Pretreatment. <i>Energy &amp; Fuels</i> , 2020, 34, 1145-1152.	5.1	23
7	Hydrogen-rich syngas production from municipal solid waste gasification through the application of central composite design: An optimization study. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33260-33273.	7.1	44
8	Hydrogen-Rich Syngas Production by DC Thermal Plasma Steam Gasification from Biomass and Plastic Mixtures. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000026.	5.3	15
9	Stabilization of heavy metals during co-pyrolysis of sewage sludge and excavated waste. <i>Waste Management</i> , 2020, 103, 268-275.	7.4	55
10	An investigation of an oxygen-enriched combustion of municipal solid waste on flue gas emission and combustion performance at a 8 MWth waste-to-energy plant. <i>Waste Management</i> , 2019, 96, 47-56.	7.4	37
11	Synergistic High-flux Oil-Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13708-13716.	6.7	46
12	Bioenergy and Environment. <i>Waste and Biomass Valorization</i> , 2019, 10, 3843-3843.	3.4	1
13	Theoretical and experimental study of gas-phase corrosion attack of Fe under simulated municipal solid waste combustion: Influence of KCl, SO <sub>2</sub> , HCl, and H <sub>2</sub> O vapour. <i>Applied Energy</i> , 2019, 247, 630-642.	10.1	12
14	Low-Temperature Catalytic Cracking of Biomass Gasification Tar Over Ni/HZSM-5. <i>Waste and Biomass Valorization</i> , 2019, 10, 1013-1020.	3.4	26
15	The effect of NaCl stress on photosynthetic efficiency and lipid production in freshwater microalga <i>Scenedesmus obliquus</i> XJ002. <i>Science of the Total Environment</i> , 2018, 633, 593-599.	8.0	120
16	Volatilization and leaching behavior of heavy metals in MSW incineration fly ash in a DC arc plasma furnace. <i>Fuel</i> , 2017, 210, 145-153.	6.4	60
17	Supercritical water pyrolysis of sewage sludge. <i>Waste Management</i> , 2017, 59, 371-378.	7.4	55
18	Investigation of chloride deposit formation in a 24MWe waste to energy plant. <i>Fuel</i> , 2015, 140, 317-327.	6.4	28

#	ARTICLE	IF	CITATIONS
19	Production of amorphous rice husk ash in a 500kW fluidized bed combustor. Fuel, 2015, 144, 214-221.	6.4	36