

# Yan Jin

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

595  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the HgO removal characteristics and synergistic mechanism of iron-based modified biochar doped with multiple metals. <i>Bioresource Technology</i> , 2021, 332, 125086.	9.6	90
2	Effect of coal rank on structure and dielectric properties of chars. <i>Fuel</i> , 2015, 153, 249-256.	6.4	71
3	Structural order and dielectric properties of coal chars. <i>Fuel</i> , 2014, 137, 164-171.	6.4	56
4	Study on the Elemental Mercury Adsorption Characteristics and Mechanism of Iron-Based Modified Biochar Materials. <i>Energy &amp; Fuels</i> , 2018, 32, 12554-12566.	5.1	51
5	Study on quenching hydration reaction kinetics and desulfurization characteristics of magnesium slag. <i>Journal of Cleaner Production</i> , 2018, 190, 12-23.	9.3	43
6	Thermogravimetric analysis of co-combustion between municipal sewage sludge and coal slime: Combustion characteristics, interaction and kinetics. <i>Thermochimica Acta</i> , 2021, 706, 179056.	2.7	33
7	Study on the Effects of the Pyrolysis Atmosphere on the Elemental Mercury Adsorption Characteristics and Mechanism of Biomass Char. <i>Energy &amp; Fuels</i> , 2018, 32, 6869-6878.	5.1	27
8	Effect of mineral matter on structure and dielectric properties of chars. <i>Fuel</i> , 2018, 222, 370-374.	6.4	21
9	Study of the Molecular Structure and Elemental Mercury Adsorption Mechanism of Biomass Char. <i>Energy &amp; Fuels</i> , 2020, 34, 12743-12756.	5.1	19
10	Study on CO <sub>2</sub> Capture Characteristics and Kinetics of Modified Potassium-Based Adsorbents. <i>Materials</i> , 2020, 13, 877.	2.9	18
11	Study on desulfurization performances of magnesium slag with different hydration modification. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1771-1780.	3.0	16
12	Microwave Plasma-Assisted Catalytic Reduction of NO by Active Coke over Transition-Metal Oxides. <i>Energy &amp; Fuels</i> , 2020, 34, 4384-4392.	5.1	15
13	Experiment and regeneration kinetic model study on CO <sub>2</sub> adsorbent prepared from fly ash. <i>Chemical Engineering Journal</i> , 2021, 421, 127865.	12.7	15
14	Molecular Structure Analysis and Mercury Adsorption Mechanism of Iron-Based Modified Biochar. <i>Energy &amp; Fuels</i> , 2022, 36, 3184-3200.	5.1	15
15	Study on magnesium slag desulfurizer modified by additives in quenching hydration. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 1211-1223.	3.0	13
16	Effect of Hydrothermal Aging Treatment on Decomposition of NO by Cu-ZSM-5 and Modified Mechanism of Doping Ce against This Influence. <i>Materials</i> , 2020, 13, 888.	2.9	13
17	Effect of ash on dielectric properties and micro-structure of high alkali coal at different temperature pyrolysis. <i>Journal of the Energy Institute</i> , 2020, 93, 1747-1754.	5.3	11
18	Effects of CaO-Fe <sub>2</sub> O <sub>3</sub> -Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> in sewage sludge on combustion characteristics and kinetics of coal slime. <i>Fuel</i> , 2022, 322, 124267.	6.4	11

#	ARTICLE	IF	CITATIONS
19	N migration and transformation during the co-combustion of sewage sludge and coal slime. Waste Management, 2022, 145, 83-91.	7.4	10
20	Study on Adsorption Mechanism and Failure Characteristics of CO <sub>2</sub> Adsorption by Potassium-Based Adsorbents with Different Supports. Materials, 2018, 11, 2424.	2.9	9
21	Effect of Water Vapor on Catalytic Decomposition of NO over Cu@ZSM-5: A Mechanism and Kinetic Study. Energy & Fuels, 2020, 34, 11341-11352.	5.1	8
22	Mercury emission and adsorption characteristics of fly ash in PC and CFB boilers. Frontiers in Energy, 2021, 15, 112-123.	2.3	6
23	Influence mechanism of additives on the crystal structure and desulfurization performance of magnesium slag. Journal of Material Cycles and Waste Management, 2021, 23, 1114-1125.	3.0	5
24	Numerical simulation of NO and SO <sub>2</sub> emission dynamic characteristics during thermal start-up of CFB boiler. Particulate Science and Technology, 2023, 41, 53-63.	2.1	5
25	K <sub>2</sub> CO <sub>3</sub> -Impregnated Al/Si Aerogel Prepared by Ambient Pressure Drying for CO <sub>2</sub> Capture: Synthesis, Characterization and Adsorption Characteristics. Materials, 2020, 13, 3741.	2.9	4
26	Crystal structure of a new high-performance magnesium slag desulfurizer modified by quenching hydration. Journal of Material Cycles and Waste Management, 2022, 24, 210-223.	3.0	4
27	Two-dimensional combustion modelling and experimental research on oil shale semicoke. Fuel, 2019, 256, 115891.	6.4	3
28	Study on Dynamic Characteristics of Residual Char of CFB Boiler Based on CPFD Method. Energies, 2020, 13, 5883.	3.1	3
29	Study on spray condensation performance of desulfurization wet flue gas. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-21.	2.3	0
30	Numerical Simulation of Low-Frequency Surge of Double-Outlet Return Valve for CFB Boiler. Combustion Science and Technology, 0, , 1-17.	2.3	0