Yue Zhang

List of Publications by Year
in descending order

33 papers	1,194 citations	394421 19 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	745 citing authors

#	Article	IF	Citations
1	Applications of water-stable metal-organic frameworks in the removal of water pollutants: A review. Environmental Pollution, 2021, 291, 118076.	7.5	304
2	Review of arsenic behavior during coal combustion: Volatilization, transformation, emission and removal technologies. Progress in Energy and Combustion Science, 2018, 68, 1-28.	31.2	147
3	Removal of Gas-Phase As₂O₃ by Metal Oxide Adsorbents: Effects of Experimental Conditions and Evaluation of Adsorption Mechanism. Energy & Fuels, 2015, 29, 6578-6585.	5.1	104
4	Experiment and mechanism research on gas-phase As2O3 adsorption of Fe2O3/Î³-Al2O3. Fuel, 2016, 181, 1034-1040.	6.4	66
5	Density Functional Theory Study of Arsenic Adsorption on the Fe₂O₃ (001) Surface. Energy & Fuels, 2019, 33, 1414-1421.	5.1	49
6	Volatilization of Arsenic During Coal Combustion Based on Isothermal Thermogravimetric Analysis at 600â€“1500 Â°C. Energy & Fuels, 2016, 30, 6790-6798.	5.1	43
7	Research on collaborative control of Hg, As, Pb and Cr by electrostatic-fabric-integrated precipitator and wet flue gas desulphurization in coal-fired power plants. Fuel, 2017, 210, 527-534.	6.4	41
8	Simultaneous volatilization characteristics of arsenic and sulfur during isothermal coal combustion. Fuel, 2017, 203, 152-161.	6.4	37
9	Experimental and Mechanism Study of Gas-Phase Arsenic Adsorption Over Fe₂O₃/Î³-Al₂O₃ Sorbent in Oxy-Fuel Combustion Flue Gas. Industrial & Engineering Chemistry Research, 2016, 55, 10656-10663.	3.7	36
10	Simultaneous removal of SO2 and NOx by a new combined spray-and-scattered-bubble technology based on preozonation: From lab scale to pilot scale. Applied Energy, 2019, 242, 1528-1538.	10.1	36
11	The effect of H2O on formation mechanism of arsenic oxide during arsenopyrite oxidation: Experimental and theoretical analysis. Chemical Engineering Journal, 2020, 392, 123648.	12.7	29
12	Nonlinear Dynamics of a Multistage Gear Transmission System with Multi-Clearance. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850034.	1.7	28
13	Effect of water vapor on the pore structure and sulfation of CaO. Fuel, 2014, 130, 60-65.	6.4	27
14	Effect of Volatile and Ash Contents in Coal on the Volatilization of Arsenic during Isothermal Coal Combustion. Energy & Fuels, 2017, 31, 12831-12838.	5.1	24
15	Experimental and modeling study on the volatilization of arsenic during co-combustion of high arsenic lignite blends. Applied Thermal Engineering, 2016, 108, 1336-1343.	6.0	23
16	The key roles of Fe-bearing minerals on arsenic capture and speciation transformation during high-As bituminous coal combustion: Experimental and theoretical investigations. Journal of Hazardous Materials, 2021, 415, 125610.	12.4	23
17	DFT study of Se and SeO2 adsorbed on CaO (0Â0Â1) surface: Role of oxygen. Applied Surface Science, 2020, 510, 145488.	6.1	22
18	Volatilization of Arsenic in Coal during Isothermal Oxy-Fuel Combustion. Energy & Fuels, 2016, 30, 3479-3487.	5.1	21

#	Article	IF	Citations
19	Crack characteristic analysis of multi-fault rotor system based on whirl orbits. Nonlinear Dynamics, 2019, 95, 2675-2690.	5.2	20
20	A deep insight into the role of O2 on As2O3 capture over Î³-Al2O3 sorbent: Experimental and DFT study. Chemical Engineering Journal, 2021, 410, 128311.	12.7	20
21	Effect of CO₂ in Flue Gas on Arsenic Adsorption over a Carbonaceous Surface. Energy & Fuels, 2019, 33, 4412-4419.	5.1	16
22	Impact of Wind Power Penetration on Windâ€“Thermal-Bundled Transmission System. IEEE Transactions on Power Electronics, 2022, 37, 15616-15625.	7.9	13
23	Vaporization model of arsenic during single-particle coal combustion: Numerical simulation. Fuel, 2021, 287, 119412.	6.4	12
24	Dynamic analysis of a multi-disk rod fastening rotor system with rub-impact based on multiple parameters. Nonlinear Dynamics, 2022, 107, 2133-2152.	5.2	10
25	Vaporization model for arsenic during single-particle coal combustion: Model development. Combustion and Flame, 2019, 205, 534-546.	5.2	9
26	Adsorption mechanism and competitive adsorption of As2O3 and NH3 molecules on CuO (111) surface: a DFT study. Journal of Molecular Modeling, 2021, 27, 178.	1.8	9
27	A comprehensive exploration about the effects of O2, SO2 and NO on As2O3 adsorption over Cu/Î³-Al2O3 SCR catalyst: A DFT study. Chemical Engineering Science, 2022, 248, 117260.	3.8	8
28	Removal of gas-phase arsenic and selenium in flue gas by a new combined spray-and-scattered-bubble technology based on ammonia desulphurization. Science of the Total Environment, 2021, 772, 145622.	8.0	7
29	Nonlinear Dynamics Analysis of a Multistage Planetary Gear Transmission System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	4
30	Mechanism of the arsenic adsorption over Cu/Î³-Al2O3 SCR catalyst: An experimental combined theoretical analysis. Chemical Engineering Science, 2022, 254, 117610.	3.8	3
31	A DFT Study of N₂O Homogeneous and Heterogeneous Reduction Reaction by the Carbon Monoxide. Combustion Science and Technology, 2022, 194, 963-976.	2.3	2
32	Fluid network modeling of fluidized bed boiler based on signal flow graph theory. , 2015, , .		1
33	Mathematical Model Design of Materials Circulating System in Circulating Fluidized Bed Boiler. , 2017, , .		0