

Sadegh Seddighi Khavidak

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

376
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-up challenges and opportunities for carbon capture by oxy-fuel circulating fluidized beds. <i>Applied Energy</i> , 2018, 232, 527-542.	10.1	57
2	Erosion of natural gas elbows due to rotating particles in turbulent gas-solid flow. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 40, 91-113.	4.4	41
3	Progress of Combustion in an Oxy-fuel Circulating Fluidized-Bed Furnace: Measurements and Modeling in a 4 MW _{th} Boiler. <i>Energy & Fuels</i> , 2013, 27, 6222-6230.	5.1	30
4	Heat transfer in a 4 MW _{th} circulating fluidized bed furnace operated under oxy-fired and air-fired conditions: Modeling and measurements. <i>International Journal of Greenhouse Gas Control</i> , 2015, 37, 264-273.	4.6	30
5	Public-Private-People Partnerships (4P) for Improving the Response to COVID-19 in Iran. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, 15, e44-e49.	1.3	30
6	CO ₂ capture by modified hollow fiber membrane contactor: Numerical study on membrane structure and membrane wettability. <i>Fuel Processing Technology</i> , 2020, 209, 106530.	7.2	27
7	Carbon Monoxide Formation during Oxy-fuel-Fired Fluidized-Bed Combustion. <i>Energy & Fuels</i> , 2013, 27, 2275-2282.	5.1	23
8	H ₂ S and CO ₂ capture from gaseous fuels using nanoparticle membrane. <i>Energy</i> , 2019, 168, 847-857.	8.8	23
9	Experimental investigation of the heat transfer from the helical coil heat exchanger using bubble injection for cold thermal energy storage system. <i>Applied Thermal Engineering</i> , 2022, 200, 117559.	6.0	21
10	Nanostructured versus flat compact electrode for triboelectric nanogenerators at high humidity. <i>Scientific Reports</i> , 2021, 11, 16191.	3.3	18
11	How much the Iranian government spent on disasters in the last 100 years? A critical policy analysis. <i>Cost Effectiveness and Resource Allocation</i> , 2020, 18, 46.	1.5	16
12	Heat extraction from a utility-scale oxy-fuel-fired CFB boiler. <i>Chemical Engineering Science</i> , 2015, 130, 144-150.	3.8	15
13	Design of large scale oxy-fuel fluidized bed boilers: Constant thermal power and constant furnace size scenarios. <i>Energy</i> , 2017, 118, 1286-1294.	8.8	15
14	Control of nitrogen oxide formation in power generation using modified reaction kinetics and mixing. <i>Energy</i> , 2018, 145, 567-581.	8.8	9
15	CO ₂ -based reconfigurable enhanced oil recovery using the oxy-fuel-fired boilers: Thermal and flow properties. <i>Journal of Cleaner Production</i> , 2017, 162, 1346-1355.	9.3	8
16	Experimental and numerical analysis of the in-cylinder swirl flow dependence on the pressure. <i>Heat and Mass Transfer</i> , 2018, 54, 3547-3558.	2.1	7
17	Sulfur Dioxide Removal Using Hydrogen Peroxide in Sodium- and Calcium-Based Absorbers. <i>Energy & Fuels</i> , 2017, 31, 14007-14017.	5.1	6