Can Cai

List of Publications by Year
in descending order

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16	313	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fracture propagation and induced strain response during supercritical CO2 jet fracturing. Petroleum Science, 2022, 19, 1682-1699.	4.9	7
2	Investigation of the Cross-Cutting Polycrystalline Diamond Compact Bit Drilling Efficiency. Shock and Vibration, 2021, 2021, 1-15.	0.6	0
3	Experimental investigation on the flow and rock breaking characteristics of supercritical carbon dioxide jets. Journal of Petroleum Science and Engineering, 2020, 187, 106735.	4.2	12
4	The effect of shale bedding on supercritical CO2 jet fracturing: A experimental study. Journal of Petroleum Science and Engineering, 2020, 195, 107798.	4.2	25
5	Experimental investigation on flow field and induced strain response during SC-CO2 jet fracturing. Journal of Petroleum Science and Engineering, 2020, 195, 107795.	4.2	5
6	The Flow Characteristics of Supercritical Carbon Dioxide (SC-CO2) Jet Fracturing in Limited Perforation Scenarios. Energies, 2020, 13, 2627.	3.1	3
7	Fracture initiation and propagation under different perforation orientation angles in supercritical CO2 fracturing. Journal of Petroleum Science and Engineering, 2019, 183, 106403.	4.2	41
8	Experimental study on shale fracturing enhancement by using multi-times pulse supercritical carbon dioxide (SC-CO2) jet. Journal of Petroleum Science and Engineering, 2019, 178, 948-963.	4.2	33
9	Experimental investigation on perforation of shale with ultra-high pressure abrasive water jet: Shape, mechanism and sensitivity. Journal of Natural Gas Science and Engineering, 2019, 67, 196-213.	4.4	27
10	Analysis of the flow characteristics of the high-pressure supercritical carbon dioxide jet. Journal of Hydrodynamics, 2019, 31, 389-399.	3.2	5
11	Experimental investigation on the impingement characteristics of a self-excited oscillation pulsed supercritical carbon dioxide jet. Experimental Thermal and Fluid Science, 2018, 94, 304-315.	2.7	20
12	Experimental investigation on the rock erosion characteristics of a self-excited oscillation pulsed supercritical CO2 jet. Applied Thermal Engineering, 2018, 139, 445-455.	6.0	28
13	Mechanism of supercritical carbon dioxide (SC-CO2) hydro-jet fracturing. Journal of CO2 Utilization, 2018, 26, 575-587.	6.8	55
14	Heat Transfer Characteristics and Prediction Model of Supercritical Carbon Dioxide (SC-CO2) in a Vertical Tube. Energies, 2017, 10, 1870.	3.1	13
15	Fracture Initiation of an Inhomogeneous Shale Rock under a Pressurized Supercritical CO2 Jet. Applied Sciences (Switzerland), 2017, 7, 1093.	2.5	17
16	Effects of Nozzle Configuration on Rock Erosion Under a Supercritical Carbon Dioxide Jet at Various Pressures and Temperatures. Applied Sciences (Switzerland), 2017, 7, 606.	2.5	21