

# Can Cai

## List of Publications by Year in descending order

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16  
papers

313  
citations

840776

11  
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996975

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docs citations

17  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of supercritical carbon dioxide (SC-CO <sub>2</sub> ) hydro-jet fracturing. Journal of CO <sub>2</sub> Utilization, 2018, 26, 575-587.	6.8	55
2	Fracture initiation and propagation under different perforation orientation angles in supercritical CO <sub>2</sub> fracturing. Journal of Petroleum Science and Engineering, 2019, 183, 106403.	4.2	41
3	Experimental study on shale fracturing enhancement by using multi-times pulse supercritical carbon dioxide (SC-CO <sub>2</sub> ) jet. Journal of Petroleum Science and Engineering, 2019, 178, 948-963.	4.2	33
4	Experimental investigation on the rock erosion characteristics of a self-excited oscillation pulsed supercritical CO <sub>2</sub> jet. Applied Thermal Engineering, 2018, 139, 445-455.	6.0	28
5	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
6	The effect of shale bedding on supercritical CO <sub>2</sub> jet fracturing: A experimental study. Journal of Petroleum Science and Engineering, 2020, 195, 107798.	4.2	25
7	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
8	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
9	Fracture Initiation of an Inhomogeneous Shale Rock under a Pressurized Supercritical CO <sub>2</sub> Jet. Applied Sciences (Switzerland), 2017, 7, 1093.	2.5	17
10	Heat Transfer Characteristics and Prediction Model of Supercritical Carbon Dioxide (SC-CO <sub>2</sub> ) in a Vertical Tube. Energies, 2017, 10, 1870.	3.1	13
11	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
12	Fracture propagation and induced strain response during supercritical CO <sub>2</sub> jet fracturing. Petroleum Science, 2022, 19, 1682-1699.	4.9	7
13	Analysis of the flow characteristics of the high-pressure supercritical carbon dioxide jet. Journal of Hydrodynamics, 2019, 31, 389-399.	3.2	5
14	Experimental investigation on flow field and induced strain response during SC-CO <sub>2</sub> jet fracturing. Journal of Petroleum Science and Engineering, 2020, 195, 107795.	4.2	5
15	The Flow Characteristics of Supercritical Carbon Dioxide (SC-CO <sub>2</sub> ) Jet Fracturing in Limited Perforation Scenarios. Energies, 2020, 13, 2627.	3.1	3
16	Investigation of the Cross-Cutting Polycrystalline Diamond Compact Bit Drilling Efficiency. Shock and Vibration, 2021, 2021, 1-15.	0.6	0