

Zhixue Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

492
citations

840776

11
h-index

713466

21
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23
all docs

23
docs citations

23
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of the heat extraction in 3D-EGS with thermal-hydraulic-mechanical coupling method based on discrete fractures model. <i>Geothermics</i> , 2018, 74, 19-34.	3.4	167
2	Pore scale simulation of liquid and gas two-phase flow based on digital core technology. <i>Science China Technological Sciences</i> , 2015, 58, 1375-1384.	4.0	45
3	A Data-Driven Approach for Lithology Identification Based on Parameter-Optimized Ensemble Learning. <i>Energies</i> , 2020, 13, 3903.	3.1	45
4	Investigations of heat extraction for water and CO ₂ flow based on the rough-walled discrete fracture network. <i>Energy</i> , 2019, 189, 116184.	8.8	29
5	Numerical Investigation on the Heat Extraction Capacity of Dual Horizontal Wells in Enhanced Geothermal Systems Based on the 3-D THM Model. <i>Energies</i> , 2018, 11, 280.	3.1	27
6	Combined Effects of Thermal Perturbation and In-situ Stress on Heat Transfer in Fractured Geothermal Reservoirs. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2165-2181.	5.4	27
7	Mineralogical characterization and formation of Fe-Si oxyhydroxide deposits from modern seafloor hydrothermal vents. <i>American Mineralogist</i> , 2013, 98, 85-97.	1.9	26
8	Different Mechanism Effect between Gas-Solid and Liquid-Solid Interface on the Three-Phase Coexistence Hydrate System Dissociation in Seawater: A Molecular Dynamics Simulation Study. <i>Energies</i> , 2018, 11, 6.	3.1	20
9	Numerical Simulation of the Depressurization Process of a Natural Gas Hydrate Reservoir: An Attempt at Optimization of Field Operational Factors with Multiple Wells in a Real 3D Geological Model. <i>Energies</i> , 2016, 9, 714.	3.1	17
10	A well rate prediction method based on LSTM algorithm considering manual operations. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110047.	4.2	15
11	Numerical simulation of fluid flow and heat transfer in EGS with thermal-hydraulic-mechanical coupling method based on a rough fracture model. <i>Energy Procedia</i> , 2019, 158, 6038-6045.	1.8	12
12	Multifracture response to supercritical CO ₂ and water EGS based on thermo-hydro-mechanical coupling method. <i>International Journal of Energy Research</i> , 2019, 43, 7173.	4.5	11
13	Numerical investigation on the effects of the fracture network pattern on the heat extraction capacity for dual horizontal wells in enhanced geothermal systems. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	2.9	11
14	CO ₂ injection for heat extraction and carbon sequestration in a geothermal site: Huizhou Sag, the Pearl River Mouth Basin. <i>Geothermics</i> , 2016, 64, 331-343.	3.4	10
15	Investigation on Heat Extraction Performance of Fractured Geothermal Reservoir Using Coupled Thermal-Hydraulic-Mechanical Model Based on Equivalent Continuum Method. <i>Energies</i> , 2019, 12, 127.	3.1	7
16	Potential for geothermal heat mining by analysis of the numerical simulation parameters in proposing enhanced geothermal system at bongor basin, chad. <i>Simulation Modelling Practice and Theory</i> , 2021, 107, 102218.	3.8	7
17	Combination of double and single cyclic pressure alternation technique to increase CO ₂ sequestration with heat mining in enhanced geothermal reservoirs by thermo-hydro-mechanical coupling method. <i>International Journal of Energy Research</i> , 2020, 44, 3478-3496.	4.5	6
18	An efficient and robust fracture-grid and fracture-fracture intersection detection method for polygon fractures in unstructured polyhedral grids. <i>Computers and Geotechnics</i> , 2021, 134, 104125.	4.7	4

#	ARTICLE	IF	CITATIONS
19	Analysis of Pressure and Production Transient Characteristics of Composite Reservoir with Moving Boundary. <i>Energies</i> , 2020, 13, 34.	3.1	3
20	Simulation of counter-current imbibition in water-wet fractured reservoirs based on discrete-fracture model. <i>Open Physics</i> , 2017, 15, 536-543.	1.7	2
21	Pressure-Transient Performances of Fractured Horizontal Wells in the Compartmentalized Heterogeneous Unconventional Reservoirs. <i>Energies</i> , 2020, 13, 5204.	3.1	1
22	Laboratory Study on Hydrate Production Using a Slow, Multistage Depressurization Strategy. <i>Geofluids</i> , 2021, 2021, 1-13.	0.7	0