

Zhixue Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3111597/publications.pdf>

Version: 2024-02-01

22
papers

492
citations

840776

11
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	A well rate prediction method based on LSTM algorithm considering manual operations. Journal of Petroleum Science and Engineering, 2022, 210, 110047.	4.2	15
2	Potential for geothermal heat mining by analysis of the numerical simulation parameters in proposing enhanced geothermal system at bongor basin, chad. Simulation Modelling Practice and Theory, 2021, 107, 102218.	3.8	7
3	Combined Effects of Thermal Perturbation and In-situ Stress on Heat Transfer in Fractured Geothermal Reservoirs. Rock Mechanics and Rock Engineering, 2021, 54, 2165-2181.	5.4	27
4	Laboratory Study on Hydrate Production Using a Slow, Multistage Depressurization Strategy. Geofluids, 2021, 2021, 1-13.	0.7	0
5	An efficient and robust fracture-grid and fracture-fracture intersection detection method for polygon fractures in unstructured polyhedral grids. Computers and Geotechnics, 2021, 134, 104125.	4.7	4
6	A Data-Driven Approach for Lithology Identification Based on Parameter-Optimized Ensemble Learning. Energies, 2020, 13, 3903.	3.1	45
7	Pressure-Transient Performances of Fractured Horizontal Wells in the Compartmentalized Heterogeneous Unconventional Reservoirs. Energies, 2020, 13, 5204.	3.1	1
8	Numerical investigation on the effects of the fracture network pattern on the heat extraction capacity for dual horizontal wells in enhanced geothermal systems. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2020, 6, 1.	2.9	11
9	Analysis of Pressure and Production Transient Characteristics of Composite Reservoir with Moving Boundary. Energies, 2020, 13, 34.	3.1	3
10	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. International Journal of Energy Research, 2020, 44, 3478-3496.	4.5	6
11	Multifracture response to supercritical CO ₂ EGS and water EGS based on thermo-hydro-mechanical coupling method. International Journal of Energy Research, 2019, 43, 7173.	4.5	11
12	Investigations of heat extraction for water and CO ₂ flow based on the rough-walled discrete fracture network. Energy, 2019, 189, 116184.	8.8	29
13	Numerical simulation of fluid flow and heat transfer in EGS with thermal-hydraulic-mechanical coupling method based on a rough fracture model. Energy Procedia, 2019, 158, 6038-6045.	1.8	12
14	Investigation on Heat Extraction Performance of Fractured Geothermal Reservoir Using Coupled Thermal-Hydraulic-Mechanical Model Based on Equivalent Continuum Method. Energies, 2019, 12, 127.	3.1	7
15	Numerical simulation of the heat extraction in 3D-EGS with thermal-hydraulic-mechanical coupling method based on discrete fractures model. Geothermics, 2018, 74, 19-34.	3.4	167
16	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. Energies, 2018, 11, 6.	3.1	20
17	Numerical Investigation on the Heat Extraction Capacity of Dual Horizontal Wells in Enhanced Geothermal Systems Based on the 3-D THM Model. Energies, 2018, 11, 280.	3.1	27
18	Simulation of counter-current imbibition in water-wet fractured reservoirs based on discrete-fracture model. Open Physics, 2017, 15, 536-543.	1.7	2

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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