

Jeonghwan Lee

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

668
citations

623734

14
h-index

580821

25
g-index

34
all docs

34
docs citations

34
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study on the productivity of dissociated gas from gas hydrate by depressurization scheme. <i>Energy Conversion and Management</i> , 2010, 51, 2510-2515.	9.2	106
2	Prediction of storage efficiency on CO ₂ sequestration in deep saline aquifers using artificial neural network. <i>Applied Energy</i> , 2017, 185, 916-928.	10.1	92
3	Experimental Study on the Dissociation Behavior and Productivity of Gas Hydrate by Brine Injection Scheme in Porous Rock. <i>Energy & Fuels</i> , 2010, 24, 456-463.	5.1	85
4	An experimental study on acid-rock reaction kinetics using dolomite in carbonate acidizing. <i>Journal of Petroleum Science and Engineering</i> , 2018, 168, 478-494.	4.2	47
5	Experimental investigation on the characteristics of gas diffusion in shale gas reservoir using porosity and permeability of nanopore scale. <i>Journal of Petroleum Science and Engineering</i> , 2015, 133, 226-237.	4.2	37
6	Nanoparticle dispersion with surface-modified silica nanoparticles and its effect on the wettability alteration of carbonate rocks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 554, 261-271.	4.7	37
7	Experimental Investigation to Improve the Storage Potentials of Gas Hydrate under the Unstirring Condition. <i>Energy & Fuels</i> , 2010, 24, 1129-1134.	5.1	29
8	Experimental study on the variation of relative permeability due to clay minerals in low salinity water-flooding. <i>Journal of Petroleum Science and Engineering</i> , 2017, 151, 292-304.	4.2	26
9	An experimental investigation into the effect of pore size distribution on the acid-rock reaction in carbonate acidizing. <i>Journal of Petroleum Science and Engineering</i> , 2019, 180, 504-517.	4.2	23
10	Diffusion characteristics of nanoscale gas flow in shale matrix from Haenam basin, Korea. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	21
11	Application of digital rock physics using X-ray CT for study on alteration of macropore properties by CO ₂ EOR in a carbonate oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2020, 189, 107009.	4.2	21
12	Propagation characteristics of optimum wormhole in carbonate matrix acidizing using micro X-ray CT imaging. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108010.	4.2	20
13	Rheological characteristics of non-Newtonian GPTMS-SiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2019, 106, 38-45.	5.6	18
14	An experimental study on the pore characteristics alteration of carbonate during waterflooding. <i>Journal of Petroleum Science and Engineering</i> , 2018, 161, 349-358.	4.2	17
15	Novel apparatus to measure the low-permeability and porosity in tight gas reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2016, 142, 1-12.	4.2	15
16	Experimental investigation on the complex chemical reactions between clay minerals and brine in low salinity water-flooding. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 316-333.	5.8	11
17	Experimental apparatus and method to investigate permeability and porosity of shale matrix from Haenam Basin in Korea. <i>Environmental Earth Sciences</i> , 2015, 74, 3333-3343.	2.7	9
18	Development and Application of the Artificial Neural Network Based Technical Screening Guide System to Select Production Methods in a Coalbed Methane Reservoir. <i>Energy Exploration and Exploitation</i> , 2014, 32, 791-804.	2.3	8

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19	Estimation of coalbed methane resources using a probabilistic scheme from geological data of coal basin in Mongolia. <i>Environmental Earth Sciences</i> , 2015, 73, 2241-2252.	2.7	8
20	A comprehensive approach to select completion and fracturing fluid in shale gas reservoirs using the artificial neural network. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	8
21	Improved wormhole prediction model considering propagation characteristics of wormhole head in carbonate acidizing. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110807.	4.2	7
22	Experimental and numerical study on the effects of surfactant as drag reducing agent in paraffin wax oil pipeline. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 390-396.	2.7	3
23	Diagnostic plot model to evaluate injection performance in polymer EOR process. <i>Journal of Petroleum Science and Engineering</i> , 2017, 148, 73-81.	4.2	3
24	Impact of design parameters on oil recovery performance in polymer flooding with low-salinity water-flooding. <i>Geosystem Engineering</i> , 2020, 23, 63-72.	1.4	3
25	A Study on the Preparation and Stability of Emulsified Acid for Carbonate Matrix Acidizing. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2021, 58, 568-579.	0.4	3
26	Adsorption characteristics of the shale matrix in Mancos and Eagle Ford basins, USA. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 2336-2342.	2.3	2
27	Development of Designing and Performing Procedure for Well Test in Coalbed Methane(CBM) Reservoir. <i>Economic and Environmental Geology</i> , 2013, 46, 279-289.	0.4	2
28	Investigation of the Mechanisms and Technical Trends of Nano-EOR in Carbonate Reservoirs. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2021, 58, 580-591.	0.4	2
29	Investigation on the Technical Characteristics and Field Cases of Matrix Acidizing Treatment Using Emulsified Acid in Carbonate Reservoirs. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2021, 58, 130-142.	0.4	1
30	Investigation on the Development Status and Strategies about Oil and Gas of Neighboring Countries in the Arctic. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2013, 50, 297-305.	0.4	1
31	A Study on the Well Test Analysis of Coalbed Methane Using the BFP-IFT. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2013, 50, 348-357.	0.4	1
32	Investigation on the Technical Characteristics and Field Cases of Matrix Acidizing Treatment in Carbonate Reservoirs. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2018, 55, 147-158.	0.4	1
33	Synthesis and Dispersion Stability Test of Seawater-based Nano-Smart Fluids. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2022, 59, 91-98.	0.4	1
34	Effect of heterogeneity variation on the oil recovery performance in CO ₂ -WAG process. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 15, 60.	0.2	0