

# Jeonghwan Lee

## List of Publications by Year in descending order

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34  
papers

668  
citations

623734

14  
h-index

580821

25  
g-index

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all docs

34  
docs citations

34  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Dispersion Stability Test of Seawater-based Nano-Smart Fluids. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2022, 59, 91-98.	0.4	1
2	Improved wormhole prediction model considering propagation characteristics of wormhole head in carbonate acidizing. Journal of Petroleum Science and Engineering, 2022, 216, 110807.	4.2	7
3	Propagation characteristics of optimum wormhole in carbonate matrix acidizing using micro X-ray CT imaging. Journal of Petroleum Science and Engineering, 2021, 196, 108010.	4.2	20
4	Investigation on the Technical Characteristics and Field Cases of Matrix Acidizing Treatment Using Emulsified Acid in Carbonate Reservoirs. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 130-142.	0.4	1
5	Investigation of the Mechanisms and Technical Trends of Nano-EOR in Carbonate Reservoirs. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 580-591.	0.4	2
6	A Study on the Preparation and Stability of Emulsified Acid for Carbonate Matrix Acidizing. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 568-579.	0.4	3
7	Experimental investigation on the complex chemical reactions between clay minerals and brine in low salinity water-flooding. Journal of Industrial and Engineering Chemistry, 2020, 89, 316-333.	5.8	11
8	Impact of design parameters on oil recovery performance in polymer flooding with low-salinity water-flooding. Geosystem Engineering, 2020, 23, 63-72.	1.4	3
9	Application of digital rock physics using X-ray CT for study on alteration of macropore properties by CO <sub>2</sub> EOR in a carbonate oil reservoir. Journal of Petroleum Science and Engineering, 2020, 189, 107009.	4.2	21
10	Rheological characteristics of non-Newtonian GPTMS-SiO <sub>2</sub> nanofluids. International Communications in Heat and Mass Transfer, 2019, 106, 38-45.	5.6	18
11	An experimental investigation into the effect of pore size distribution on the acid-rock reaction in carbonate acidizing. Journal of Petroleum Science and Engineering, 2019, 180, 504-517.	4.2	23
12	An experimental study on the pore characteristics alteration of carbonate during waterflooding. Journal of Petroleum Science and Engineering, 2018, 161, 349-358.	4.2	17
13	An experimental study on acid-rock reaction kinetics using dolomite in carbonate acidizing. Journal of Petroleum Science and Engineering, 2018, 168, 478-494.	4.2	47
14	Nanoparticle dispersion with surface-modified silica nanoparticles and its effect on the wettability alteration of carbonate rocks. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 261-271.	4.7	37
15	Investigation on the Technical Characteristics and Field Cases of Matrix Acidizing Treatment in Carbonate Reservoirs. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 147-158.	0.4	1
16	Experimental study on the variation of relative permeability due to clay minerals in low salinity water-flooding. Journal of Petroleum Science and Engineering, 2017, 151, 292-304.	4.2	26
17	A comprehensive approach to select completion and fracturing fluid in shale gas reservoirs using the artificial neural network. Environmental Earth Sciences, 2017, 76, 1.	2.7	8
18	Diagnostic plot model to evaluate injection performance in polymer EOR process. Journal of Petroleum Science and Engineering, 2017, 148, 73-81.	4.2	3

#	ARTICLE	IF	CITATIONS
19	Prediction of storage efficiency on CO <sub>2</sub> sequestration in deep saline aquifers using artificial neural network. <i>Applied Energy</i> , 2017, 185, 916-928.	10.1	92
20	Effect of heterogeneity variation on the oil recovery performance in CO <sub>2</sub> -WAG process. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 15, 60.	0.2	0
21	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
22	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
23	Diffusion characteristics of nanoscale gas flow in shale matrix from Haenam basin, Korea. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	21
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	Experimental Investigation to Improve the Storage Potentials of Gas Hydrate under the Unstirring Condition. <i>Energy &amp; Fuels</i> , 2010, 24, 1129-1134.	5.1	29
34	Experimental Study on the Dissociation Behavior and Productivity of Gas Hydrate by Brine Injection Scheme in Porous Rock. <i>Energy &amp; Fuels</i> , 2010, 24, 456-463.	5.1	85