

Mohammad Azizur Rahman

List of Publications by Year in descending order

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papers

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39
docs citations

39
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical study of cuttings transport in inclined drilling operations. Journal of Petroleum Science and Engineering, 2022, 208, 109394.	4.2	12
2	An experimental investigation of the foam enhanced oil recovery process for a dual porosity and heterogeneous carbonate reservoir under strongly oil-wet condition. Fuel, 2022, 313, 122684.	6.4	12
3	Thermo-economic and environmental assessment of hybrid vapor compression-absorption refrigeration systems for district cooling. Energy, 2022, 243, 122991.	8.8	24
4	Estimating of Non-Darcy Flow Coefficient in Artificial Porous Media. Energies, 2022, 15, 1197.	3.1	7
5	Investigation of cutting transport in horizontal/deviated annulus using visualization and pressure drop techniques for two-phase slurry flow. Journal of Natural Gas Science and Engineering, 2022, 100, 104460.	4.4	9
6	Numerical Study on the Impact of Spiral Tortuous Hole on Cuttings Removal in Horizontal Wells. SPE Drilling and Completion, 2022, 37, 77-92.	1.6	8
7	Horizontal Two-Phase Flow Regime Identification with Machine Learning Classification Models. , 2022, , .		4
8	A new correlation for performance prediction of small and large capacity single-effect vapor absorption refrigeration systems. , 2022, 1, 100002.		6
9	3D numerical and experimental modelling of multiphase flow through an annular geometry applied for cuttings transport. International Journal of Multiphase Flow, 2022, 151, 104044.	3.4	6
10	Effect of drill pipe orbital motion on non-Newtonian fluid flow in an eccentric wellbore: a study with computational fluid dynamics. Journal of Petroleum Exploration and Production, 2022, 12, 1383-1402.	2.4	5
11	Development of pressure gradient correlation for slurry flow using dimensional analysis. Journal of Natural Gas Science and Engineering, 2022, 104, 104660.	4.4	4
12	Measuring solid cuttings transport in Newtonian fluid across horizontal annulus using electrical resistance tomography (ERT). Flow Measurement and Instrumentation, 2021, 77, 101841.	2.0	27
13	Experimental Study of Cuttings Transport with Non-Newtonian Fluid in an Inclined Well Using Visualization and Electrical Resistance Tomography Techniques. SPE Drilling and Completion, 2021, 36, 745-762.	1.6	9
14	Effects of salinity on solid particle settling velocity in non-Newtonian Herschel-Bulkley fluids. Journal of Petroleum Exploration and Production, 2021, 11, 3333-3347.	2.4	4
15	Quantifying the partial penetration skin factor for evaluating the completion efficiency of vertical oil wells. Journal of Petroleum Exploration and Production, 2021, 11, 3031-3043.	2.4	5
16	Comparison of Crushed-Zone Skin Factor for Cased and Perforated Wells Calculated with and without including a Tip-Crushed Zone Effect. Geofluids, 2021, 2021, 1-13.	0.7	6
17	Investigation of cuttings transport in a horizontal well with high-speed visualization and electrical resistance tomography technique. Journal of Natural Gas Science and Engineering, 2021, 92, 103968.	4.4	13
18	A New Evaluation of Skin Factor in Inclined Wells with Anisotropic Permeability. Energies, 2021, 14, 5585.	3.1	2

#	ARTICLE	IF	CITATIONS
19	Application of the electric resistance tomographic technique to investigate its efficacy in cuttings transport in horizontal drilling scenarios. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 95, 104119.	4.4	10
20	Comprehensive assessment and evaluation of correlations for gas-oil ratio, oil formation volume factor, gas viscosity, and gas density utilized in gas kick detection. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109135.	4.2	4
21	Kinetic Behavior of Quaternary Ammonium Hydroxides in Mixed Methane and Carbon Dioxide Hydrates. <i>Molecules</i> , 2021, 26, 275.	3.8	11
22	Dimensionless data-driven model for optimizing hole cleaning efficiency in daily drilling operations. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104315.	4.4	21
23	Experimental investigation of multiphase flow behavior in drilling annuli using high speed visualization technique. <i>Frontiers in Energy</i> , 2020, 14, 635-643.	2.3	15
24	Migration of CO ₂ through Carbonate Cores: Effect of Salinity, Pressure, and Cyclic Brine-CO ₂ Injection. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	1.4	6
25	Estimation of Local Equilibrium Model Parameters for Simulation of the Laboratory Foam-Enhanced Oil Recovery Process Using a Commercial Reservoir Simulator. <i>ACS Omega</i> , 2020, 5, 23437-23449.	3.5	16
26	Flow Regime, Slug Frequency and Wavelet Analysis of Air/Newtonian and Air/non-Newtonian Two-Phase Flow. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3272.	2.5	11
27	Early gas kick detection in vertical wells via transient multiphase flow modelling: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 80, 103391.	4.4	28
28	Review on Modeling of Vapor Compression Chillers: District Cooling Perspective. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2020, 28, 2030003.	0.7	7
29	Assessing the Alkyl Chain Effect of Ammonium Hydroxides Ionic Liquids on the Kinetics of Pure Methane and Carbon Dioxide Hydrates. <i>Energies</i> , 2020, 13, 3272.	3.1	9
30	Investigation of binary, ternary and quaternary mixtures across solution heat exchanger used in absorption refrigeration and process modifications to improve cycle performance. <i>Energy</i> , 2020, 198, 117254.	8.8	11
31	Computational Fluid Dynamics Simulation of the Transient Behavior of Liquid Loading in Gas Wells. , 2020, , .		1
32	A Mechanistic Gas Kick Model to Simulate Gas in A Riser with Water and Synthetic-Based Drilling Fluid. , 2020, , .		7
33	CFD Analysis of Pressure Losses and Deposition Velocities in Horizontal Annuli. <i>International Journal of Chemical Engineering</i> , 2019, 2019, 1-17.	2.4	13
34	Understanding Gas Kick Behavior in Water and Oil-Based Drilling Fluids. , 2019, , .		18
35	The Control of Apparent Wettability on the Efficiency of Surfactant Flooding in Tight Carbonate Rocks. <i>Processes</i> , 2019, 7, 684.	2.8	8
36	An Experimental Development to Characterise the Flow Phenomena at the Near-Wellbore Region. , 2019, , .		2

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37	Experimental and computational analysis of pressure response in a multiphase flow loop. AIP Conference Proceedings, 2016, , .	0.4	5
38	Scale-Up of Perforation Process from Laboratory Model to Bottom Hole Dimensions. Journal of Porous Media, 2008, 11, 19-34.	1.9	4
39	A new assessment of perforation skin factor for vertical perforated wells in near-wellbore region. Journal of Petroleum Exploration and Production, 0, , 1.	2.4	2