

Mofazzal Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,533
citations

304368

22
h-index

329751

37
g-index

67
all docs

67
docs citations

67
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of analytical methods in linear flow data for hydraulically-fractured gas wells. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109467.	2.1	4
2	The impact of supercritical CO ₂ on the pore structure and storage capacity of shales. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 98, 104394.	2.1	30
3	Geochemical modelling of CO ₂ interactions with shale: Kinetics of mineral dissolution and precipitation on geological time scales. <i>Chemical Geology</i> , 2022, 592, 120742.	1.4	29
4	Trace element bioaccumulation in edible red seaweeds (Rhodophyta): A risk assessment for consumers. <i>Environmental Pollution</i> , 2022, 307, 119560.	3.7	9
5	Effect of well scheduling and pattern on project development management in unconventional tight gas reservoirs. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	1
6	Rice Bakanae Disease: Yield Loss and Management Issues in Bangladesh. <i>Food Science and Technology (United States)</i> , 2021, 9, 7-16.	0.2	3
7	Incremental and acceleration production estimation and their effect on optimization of well infill locations in tight gas reservoirs. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 2449-2480.	1.2	4
8	Comparative assessment of bioactive compounds, antioxidant capacity and nutritional quality of red seaweeds and water spinach. <i>Regional Studies in Marine Science</i> , 2021, 46, 101878.	0.4	3
9	Surface wettability alteration of shales exposed to CO ₂ : Implication for long-term integrity of geological storage sites. <i>International Journal of Greenhouse Gas Control</i> , 2021, 110, 103426.	2.3	32
10	Effect of supercritical CO ₂ treatment on physical properties and functional groups of shales. <i>Fuel</i> , 2021, 303, 121310.	3.4	47
11	Estimate Gas Initially in Place of Tight Gas Reservoirs Based on Developed Methodology of Dynamic Material Balance Technique. <i>Iraqi Geological Journal</i> , 2021, 54, 15-29.	0.1	1
12	Response of Non-Polar Oil Component on Low Salinity Effect in Carbonate Reservoirs: Adhesion Force Measurement Using Atomic Force Microscopy. <i>Energies</i> , 2020, 13, 77.	1.6	12
13	Interpreting micromechanics of fluid-shale interactions with geochemical modelling and disjoining pressure: Implications for calcite-rich and quartz-rich shales. <i>Journal of Molecular Liquids</i> , 2020, 319, 114117.	2.3	11
14	A Review on the Influence of CO ₂ /Shale Interaction on Shale Properties: Implications of CCS in Shales. <i>Energies</i> , 2020, 13, 3200.	1.6	54
15	Effect of the Fluid–Shale Interaction on Salinity: Implications for High-Salinity Flowback Water during Hydraulic Fracturing in Shales. <i>Energy & Fuels</i> , 2020, 34, 3031-3040.	2.5	27
16	Role of brine composition on rock surface energy and its implications for subcritical crack growth in calcite. <i>Journal of Molecular Liquids</i> , 2020, 303, 112638.	2.3	14
17	Numerical Simulation of Gas Lift Optimization Using Genetic Algorithm for a Middle East Oil Field: Feasibility Study. , 2020, , .		5
18	Interpreting Water Uptake by Shale with Ion Exchange, Surface Complexation, and Disjoining Pressure. <i>Energy & Fuels</i> , 2019, 33, 8250-8258.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Optimization of Fracture Parameters for Hydraulic Fractured Horizontal Well in a Heterogeneous Tight Reservoir: An Equivalent Homogeneous Modelling Approach. , 2019, , .		13
20	Wettability alteration induced water uptake in shale oil reservoirs: A geochemical interpretation for oil-brine-OM interaction during hydraulic fracturing. International Journal of Coal Geology, 2019, 213, 103277.	1.9	31
21	Comparison of different models for predicting drainage relative permeability using pore scale numerical simulation of supercritical carbon dioxide and brine flow.. IOP Conference Series: Materials Science and Engineering, 2019, 495, 012111.	0.3	1
22	Application of emulsified acids on sandstone formation at elevated temperature conditions: an experimental study. Journal of Petroleum Exploration and Production, 2019, 9, 1323-1329.	1.2	9
23	Evaluation of the Potentials for Adapting the Multistage Hydraulic Fracturing Technology in Tight Carbonate Reservoir. , 2019, , .		17
24	Analytical modelling of wettability alteration-induced micro-fractures during hydraulic fracturing in tight oil reservoirs. Fuel, 2019, 249, 434-440.	3.4	37
25	Synthesis of Graphitic Mesoporous Carbon from Metal Impregnated Silica Template for Proton Exchange Membrane Fuel Cell Application. Fuel Cells, 2019, 19, 27-34.	1.5	8
26	Thermal Hydraulic Fracturing Applying Cryogenic Freezing Technique. IOP Conference Series: Materials Science and Engineering, 2019, 495, 012076.	0.3	1
27	Effect of electrical double layer and ion exchange on low salinity EOR in a pH controlled system. Journal of Petroleum Science and Engineering, 2019, 174, 418-424.	2.1	49
28	Numerical Approach for the Prediction of Formation and Hydraulic Fracture Properties Considering Elliptical Flow Regime in Tight Gas Reservoirs. , 2018, , .		6
29	A new practical method to evaluate the Joule-Thomson coefficient for natural gases. Journal of Petroleum Exploration and Production, 2018, 8, 1169-1181.	1.2	10
30	Electrostatic Origins of CO ₂ -Increased Hydrophilicity in Carbonate Reservoirs. Scientific Reports, 2018, 8, 17691.	1.6	49
31	Drivers of Wettability Alteration for Oil/Brine/Kaolinite System: Implications for Hydraulic Fracturing Fluids Uptake in Shale Rocks. Energies, 2018, 11, 1666.	1.6	16
32	Numerical and experimental investigation of the interaction of natural and propagated hydraulic fracture. Journal of Natural Gas Science and Engineering, 2017, 37, 409-424.	2.1	83
33	Investigating Impact of Various Properties on Relative Permeability and Non-Wetting Phase Fractional Flow in Brine/Oil System in Water-Wet Reservoir Rock by Numerical Simulation. , 2017, , .		1
34	Determination of best possible correlation for gas compressibility factor to accurately predict the initial gas reserves in gas-hydrocarbon reservoirs. International Journal of Hydrogen Energy, 2017, 42, 25492-25508.	3.8	28
35	A New Practical Method for Predicting Equivalent Drainage Area of Well in Tight Gas Reservoirs. , 2017, , .		5
36	Optimization of Infill Drilling in Whicher Range Field in Australia. , 2017, , .		7

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37	A Practical Numerical Approach for the Determination of Flow Contribution of Multi-Zones Wellbores. , 2017, , .		1
38	Evaluation of Factors Influencing the Effectiveness of Passive and Autonomous Inflow Control Devices. , 2017, , .		2
39	Full waveform acoustic data as an aid in reducing uncertainty of mud window design in the absence of leak-off test. Journal of Natural Gas Science and Engineering, 2017, 45, 786-796.	2.1	24
40	Near Wellbore Hydraulic Fracture Propagation from Perforations in Tight Rocks: The Roles of Fracturing Fluid Viscosity and Injection Rate. Energies, 2017, 10, 359.	1.6	37
41	Developed Material Balance Approach for Estimating Gas Initially in Place and Ultimate Recovery for Tight Gas Reservoirs. , 2016, , .		5
42	Fluid flow through porous media using distinct element based numerical method. Journal of Petroleum Exploration and Production, 2016, 6, 217-242.	1.2	6
43	Numerical Modeling for the Prediction of Residual CO ₂ Trapping in Water-Wet Geological Porous Media. , 2016, , .		1
44	Numerical simulation for the determination of hydraulic fracture initiation and breakdown pressure using distinct element method. Journal of Natural Gas Science and Engineering, 2016, 33, 1219-1232.	2.1	38
45	Estimating Cleat Characteristics in Reservoir Simulation Models of Coal Seam Gas Reservoirs Using Welltest Analysis. , 2015, , .		0
46	Effect of Mud Filtrate Invasion on Measurement of Formation Pressure and Determination of Gas-Water Contact Depth in Tight Gas Reservoirs. , 2015, , .		1
47	Evaluation of Damage Mechanisms in Tight Gas Reservoirs: Field Example from Perth Basin. , 2015, , .		1
48	A practical method for the evaluation of the Joule Thomson effects to predict flowing temperature profile in gas producing wells. Journal of Natural Gas Science and Engineering, 2015, 26, 1080-1090.	2.1	24
49	The effect of hydraulic-fracture parameters on the welltest response of multi-fractured tight-gas reservoirs. APPEA Journal, 2013, 53, 375.	0.4	0
50	The application of downhole gas compression to improve productivity for depleted natural gas reservoirs. APPEA Journal, 2013, 53, 369.	0.4	1
51	Lowering the phase-trap damage in tight-gas reservoirs by using interfacial tension (IFT) reducers. APPEA Journal, 2013, 53, 363.	0.4	2
52	Effect of Sand Lens Size and Hydraulic Fractures Orientation on Tight Gas Reservoirs Ultimate Recovery. , 2012, , .		2
53	Effect of Sand Lens Size and Hydraulic Fractures Parameters on Gas in Place Estimation Using $\hat{a}^{\sim}P/Z$ vs C_p Method [™] in Tight Gas Reservoirs. , 2012, , .		4
54	Characterizing natural fractures productivity in tight gas reservoirs. Journal of Petroleum Exploration and Production, 2012, 2, 107-115.	1.2	21

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55	Production decline analysis and forecasting in tight-gas reservoirs. APPEA Journal, 2012, 52, 573.	0.4	3
56	Improving reservoir performance using intelligent well completion sensors combined with surface wet-gas flow measurement. APPEA Journal, 2012, 52, 181.	0.4	0
57	Welltest analysis of hydraulically fractured tight gas reservoirs: a field example from Perth Basin, Western Australia. APPEA Journal, 2012, 52, 587.	0.4	2
58	Numerical simulation of complex fracture growth during tight reservoir stimulation by hydraulic fracturing. Journal of Petroleum Science and Engineering, 2008, 60, 86-104.	2.1	127
59	A Shear Dilation Stimulation Model for Production Enhancement From Naturally Fractured Reservoirs. SPE Journal, 2002, 7, 183-195.	1.7	55
60	A shear-dilation-based model for evaluation of hydraulically stimulated naturally fractured reservoirs. International Journal for Numerical and Analytical Methods in Geomechanics, 2002, 26, 469-497.	1.7	88
61	Analytical, numerical and experimental investigations of transverse fracture propagation from horizontal wells. Journal of Petroleum Science and Engineering, 2002, 35, 127-150.	2.1	44
62	Volumetric Growth and Hydraulic Conductivity of Naturally Fractured Reservoirs During Hydraulic Fracturing: A Case Study Using Australian Conditions. , 2000, , .		18
63	Hydraulic fracture initiation and propagation: roles of wellbore trajectory, perforation and stress regimes. Journal of Petroleum Science and Engineering, 2000, 27, 129-149.	2.1	278
64	Title is missing!. International Journal of Fracture, 2000, 103, 243-258.	1.1	25
65	Stress concentration incorporated fatigue analysis of die-marked drill pipes. International Journal of Fatigue, 1999, 21, 799-811.	2.8	22
66	Survival assessment of die-marked drill pipes:. Engineering Failure Analysis, 1999, 6, 277-299.	1.8	9
67	A Comprehensive Monograph for Hydraulic Fracture Initiation From Deviated Wellbores Under Arbitrary Stress Regimes. , 1999, , .		15