

Berihun Mamo Negash

List of Publications by Year in descending order

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42
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42
docs citations

42
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367
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial neural network based production forecasting for a hydrocarbon reservoir under water injection. <i>Petroleum Exploration and Development</i> , 2020, 47, 383-392.	7.0	63
2	CO ₂ /brine interfacial tension and rock wettability at reservoir conditions: A critical review of previous studies and case study of black shale from Malaysian formation. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107673.	4.2	63
3	Alternative chemical agents for alkalis, surfactants and polymers for enhanced oil recovery: Research trend and prospects. <i>Journal of Petroleum Science and Engineering</i> , 2020, 187, 106828.	4.2	60
4	A state of art review on waterless gas shale fracturing technologies. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108048.	4.2	53
5	Clay-hydrogen and clay-cushion gas interfacial tensions: Implications for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19155-19167.	7.1	50
6	CO ₂ /Basalt's interfacial tension and wettability directly from gas density: Implications for Carbon Geo-sequestration. <i>Journal of Petroleum Science and Engineering</i> , 2021, 204, 108683.	4.2	48
7	Assessment of CO ₂ /shale interfacial tension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127118.	4.7	46
8	A perspective on the potential application of bio-inhibitors for shale stabilization during drilling and hydraulic fracturing processes. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 79, 103380.	4.4	38
9	An Overview on the potential application of ionic liquids in shale stabilization processes. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 81, 103480.	4.4	35
10	Recent advances in multifunctional proppant technology and increased well output with micro and nano proppants. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108026.	4.2	29
11	Molecular simulation study of CO ₂ /CH ₄ adsorption on realistic heterogeneous shale surfaces. <i>Applied Surface Science</i> , 2021, 543, 148789.	6.1	26
12	Natural amino acids as potential swelling and dispersion inhibitors for montmorillonite-rich shale formations. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107664.	4.2	22
13	Adsorption of gases on heterogeneous shale surfaces: A review. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109466.	4.2	19
14	An outlook into recent advances on estimation of effective stimulated reservoir volume. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 88, 103822.	4.4	17
15	Synergetic Effect of Surfactant Concentration, Salinity, and Pressure on Adsorbed Methane in Shale at Low Pressure: An Experimental and Modeling Study. <i>ACS Omega</i> , 2020, 5, 20107-20121.	3.5	15
16	Mechanism of CH ₄ Sorption onto a Shale Surface in the Presence of Cationic Surfactant. <i>Energy & Fuels</i> , 2021, 35, 7943-7955.	5.1	13
17	Perspective Review of Polymers as Additives in Water-Based Fracturing Fluids. <i>ACS Omega</i> , 2022, 7, 7431-7443.	3.5	13
18	Effects of imidazolium- and ammonium-based ionic liquids on clay swelling: experimental and simulation approach. <i>Journal of Petroleum Exploration and Production</i> , 2022, 12, 1841-1853.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Inhibition Impact of Amino Acids on Swelling Clays: An Experimental and COSMO-RS Simulation Evaluation. <i>Energy & Fuels</i> , 2020, 34, 13985-14000.	5.1	8
20	Quantum-Based Analytical Techniques on the Tackling of Well Placement Optimization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7000.	2.5	8
21	Impact of external excitation on flow behavior of trapped oil blob. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108002.	4.2	8
22	A Modified Niching Crow Search Approach to Well Placement Optimization. <i>Energies</i> , 2021, 14, 857.	3.1	8
23	Application of artificial neural networks for calibration of a reservoir model. <i>Intelligent Decision Technologies</i> , 2018, 12, 67-79.	0.9	7
24	Effect of Silica Nanoparticles on Polymer Adsorption Reduction on Marcellus Shale. <i>ACS Omega</i> , 2021, 6, 29537-29546.	3.5	7
25	Experimental and COSMO-RS Simulation Studies on the Effects of Polyatomic Anions on Clay Swelling. <i>ACS Omega</i> , 2021, 6, 26519-26532.	3.5	5
26	System Identification Based Proxy Model of a Reservoir under Water Injection. <i>Modelling and Simulation in Engineering</i> , 2017, 2017, 1-10.	0.7	4
27	Reconstruction of Missing Gas, Oil, and Water Flow-Rate Data: A Unified Physics and Data-Based Approach. <i>SPE Reservoir Evaluation and Engineering</i> , 2020, 23, 1019-1030.	1.8	4
28	Potential valorization of granitic waste material as microproppant for induced unpropped microfractures in shale. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104281.	4.4	4
29	Rheological and Viscoelastic Property Characterizations of Amino Acid-Based Hydraulic Fracturing Fluids. <i>Energy & Fuels</i> , 2022, 36, 3539-3548.	5.1	4
30	Reservoir Performance Prediction in Steam Huff and Puff Injection Using Proxy Modelling. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3169.	2.5	3
31	Performance Evaluation of 1-Butyl-3-Methylimidazolium Chloride as Shale Swelling Inhibitor. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1003, 012019.	0.3	3
32	Spotted hyena optimizer for well-profile energy optimization. <i>Journal of Physics: Conference Series</i> , 2021, 1793, 012061.	0.4	2
33	Effects of a Viscoelastic Surfactant on Supercritical Carbon Dioxide Thickening for Gas Shale Fracturing. <i>Energy & Fuels</i> , 2021, 35, 15842-15855.	5.1	2
34	Artificial Neural Network and Regression Models for Predicting Intrusion of Non-Reacting Gases into Production Pipelines. <i>Energies</i> , 2022, 15, 1725.	3.1	2
35	Surface analysis of liquid adsorption onto shale. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1003, 012046.	0.3	2
36	Conceptual Framework for Using System Identification in Reservoir Production Forecasting. <i>Procedia Engineering</i> , 2016, 148, 878-886.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Characterization of Native Colloids and Study of Emulsions Stabilized by Asphaltene, Wax, Silicates and Calcites Using Optical Analyzer Turbiscan. , 2019, , .		1
38	Performance prediction of a reservoir under gas injection, using output error model. Contemporary Engineering Sciences, 0, 9, 1479-1489.	0.2	1
39	A mathematical model for estimating effective stimulated reservoir volume. Journal of Petroleum Exploration and Production, 0, , 1.	2.4	0
40	Application of benchtop humidity and temperature chamber in the measurement of water vapor sorption in US shales from Mancos, Marcellus, Eagle Ford and Wolfcamp formations. Journal of Petroleum Exploration and Production, 0, , 1.	2.4	0
41	Gridding Optimization for Hydraulic Fractured Well in Reservoir Simulation Using Well Test Analysis for Long Term Prediction. Applied Sciences (Switzerland), 2022, 12, 4551.	2.5	0