Abdulaziz A Al-Majed

List of Publications by Year
in descending order

54	864	567281 15	526287 27
papers	citations	h-index	g-index

54	54	54	573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluating the Effectiveness of Machine Learning Technologies in Improving Real-Time Drilling Data Quality. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	0
2	Statistical Methods to Improve the Quality of Real-Time Drilling Data. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	4
3	The Use of Graphite to Improve the Stability of Saudi Class G Oil-Well Cement against the Carbonation Process. ACS Omega, 2022, 7, 5764-5773.	3.5	4
4	Enhancement of Static and Dynamic Sag Performance of Water-Based Mud Using a Synthetic Clay. ACS Omega, 2021, 6, 8179-8188.	3.5	5
5	Using Data-Mining CRISP-DM Methodology to Predict Drilling Troubles in Real-Time. , 2021, , .		2
6	Effect of Bentonite Prehydration Time on the Stability of Lightweight Oil-Well Cement System. Geofluids, 2021, 2021, 1-8.	0.7	2
7	Mitigation of Gas Condensate Banking Using Thermochemical Fluids and Gemini Surfactant: A Comparison Study. , 2021, , .		0
8	New Treatment for Improving the Productivity of Shale Reservoirs Using Thermochemical Fluids. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	3
9	Evaluating the effect of using micronised barite on the properties of water-based drilling fluids. International Journal of Oil, Gas and Coal Technology, 2020, 25, 1.	0.2	5
10	Condensate-Banking Removal and Gas-Production Enhancement Using Thermochemical Injection: A Field-Scale Simulation. Processes, 2020, 8, 727.	2.8	7
11	Coupling rate of penetration and mechanical specific energy to Improve the efficiency of drilling gas wells. Journal of Natural Gas Science and Engineering, 2020, 83, 103558.	4.4	23
12	A New Technique to Quantify the Productivity of Complex Wells Using Artificial Intelligence Tools. , 2020, , .		3
13	Performance analysis of thermochemical fluids in removing the gas condensate from different gas formations. Journal of Natural Gas Science and Engineering, 2020, 78, 103333.	4.4	6
14	Enhance the Gas Productivity for Shale Gas Reservoirs Using Thermochemical Treatment. , 2020, , .		2
15	Removal of Calcium Carbonate Water-Based Filter Cake Using a Green Biodegradable Acid. Sustainability, 2020, 12, 994.	3.2	14
16	Prevention of Barite Sagging for Invert Emulsion Drilling Fluid While Drilling High-Pressure High-Temperature Wells. , 2020, , .		0
17	Novel Approach for Improving the Flow of Waxy Crude Oil Using Thermochemical Fluids: Experimental and Simulation Study. ACS Omega, 2020, 5, 4313-4321.	3.5	21
18	Novel Condensate Removal with in-Situ Pressure Generation Via Thermochemical Fluids in Different Sandstone Formations. , 2020, , .		0

#	Article	IF	Citations
19	Influence of Weighting Materials on the Properties of Oil-Well Cement. ACS Omega, 2020, 5, 27618-27625.	3.5	14
20	Autonomous Trenchless Horizontal Directional Drilling. Studies in Systems, Decision and Control, 2020, , 47-65.	1.0	2
21	A Combined Bariteâ€“Ilmenite Weighting Material to Prevent Barite Sag in Water-Based Drilling Fluid. Materials, 2019, 12, 1945.	2.9	37
22	Water blockage removal and productivity index enhancement by injecting thermochemical fluids in tight sandstone formations. Journal of Petroleum Science and Engineering, 2019, 182, 106298.	4.2	22
23	Prevention of Barite Sag in Oil-Based Drilling Fluids Using a Mixture of Barite and Ilmenite as Weighting Material. Sustainability, 2019, 11, 5617.	3.2	33
24	Mitigation of Condensate Banking Using Thermochemical Treatment: Experimental and Analytical Study. Energies, 2019, 12, 800.	3.1	11
25	Gas Production from Gas Condensate Reservoirs Using Sustainable Environmentally Friendly Chemicals. Sustainability, 2019, 11, 2838.	3.2	7
26	Formation Damage Avoidance by Reducing Invasion with Sodium Silicate-Modified Water-Based Drilling Fluid. Energies, 2019, 12, 1485.	3.1	16
27	Development of A New Chemical Treatment for Removing Water Blockage in Tight Reservoirs. , 2019, , .		5
28	Gas condensate treatment: A critical review of materials, methods, field applications, and new solutions. Journal of Petroleum Science and Engineering, 2019, 177, 602-613.	4.2	41
29	Improved Predictions in Oil Operations Using Artificial Intelligent Techniques. , 2019, , .		13
30	Effect of pH on Rheological and Filtration Properties of Water-Based Drilling Fluid Based on Bentonite. Sustainability, 2019, 11, 6714.	3.2	62
31	Removal of Condensate Banking from Different Formations Using Thermochemical Treatment. , 2019, , .		2
32	New Chemical Treatment for Permanent Removal of Condensate Banking from Different Gas Reservoirs. ACS Omega, 2019, 4, 22228-22236.	3.5	7
33	A Novel Technique for Removing Wax Deposition in the Production System Using Thermochemical Fluids. , 2019, , .		4
34	A Robust Rate of Penetration Model for Carbonate Formation. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	55
35	Adaptive and Real-Time Optimal Control of Stickâ€“Slip and Bit Wear in Autonomous Rotary Steerable Drilling. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	2.3	43
36	Automatic Trenchless Horizontal Directional Drilling Using Quad Motors Drilling Heads. , 2018, , .		0

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37	Novel Technique to Eliminate Gas Condensation in Gas Condensate Reservoirs Using Thermochemical Fluids. Energy & Fuels, 2018, 32, 12843-12850.	5.1	38
38	Developing an Efficient Drilling System by Coupling Torque Modelling with Mechanical Specific Energy. , 2018, , .		5
39	Impact of sand content on filter cake and invert emulsion drilling fluid properties in extended reach horizontal wells. International Journal of Oil, Gas and Coal Technology, 2018, 19, 135.	0.2	1
40	Application of Nanotechnology in Oil Well Cementing. , 2017, , .		11
41	A CRITICAL REVIEW OF DRILLING WASTE MANAGEMENT TOWARDS SUSTAINABLE SOLUTIONS. Environmental Engineering and Management Journal, 2017, 16, 1435-1450.	0.6	7
42	Nanosilica effects on composition and silicate polymerization in hardened cement paste cured under high temperature and pressure. Cement and Concrete Composites, 2013, 43, 78-85.	10.7	47
43	Drilling Fluid: State of The Art and Future Trend. , 2012, , .		51
44	State of the Art and Future Trend of Drilling Fluid: An Experimental Study. , 2012, , .		12
45	Functional networks as a new data mining predictive paradigm to predict permeability in a carbonate reservoir. Expert Systems With Applications, 2012, 39, 10359-10375.	7.6	53
46	SUPPORT VECTOR REGRESSION AND FUNCTIONAL NETWORKS FOR VISCOSITY AND GAS/OIL RATIO CURVES ESTIMATION. International Journal of Computational Intelligence and Applications, 2011, 10, 269-293.	0.8	19
47	Oil Rock Interaction: Impact on Optimum Drawdown. , 2008, , .		2
48	Formation Damage Induced by Various Water-Based Fluids Used to Drill HP/HT Wells. , 2008, , .		12
49	Analysis of wellbore instability in vertical, directional, and horizontal wells using field data. Journal of Petroleum Science and Engineering, 2007, 55, 83-92.	4.2	76
50	Effect of overbalance pressure on formation damage. Journal of Petroleum Science and Engineering, 2002, 36, 97-109.	4.2	40
51	A non-destructive method for mapping formation damage. Ultrasonics, 2001, 39, 321-328.	3.9	4
52	Factors affecting pseudo relative permeability curves. Journal of Petroleum Science and Engineering, 1998, 21, 249-261.	4.2	11
53	Experimental Factors Affecting Mercury Capillary Pressure Curves. Journal of Colloid and Interface Science, 1995, 175, 515-517.	9.4	0
54	A Game-Theoretic Approach to Improve Energy-Related Data. ACS Omega, 0, , .	3.5	0