

Abdulaziz A Al-Majed

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3227528/publications.pdf>

Version: 2024-02-01

54
papers

864
citations

567281

15
h-index

526287

27
g-index

54
all docs

54
docs citations

54
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effect of pH on Rheological and Filtration Properties of Water-Based Drilling Fluid Based on Bentonite. Sustainability, 2019, 11, 6714.	3.2	62
3	A Robust Rate of Penetration Model for Carbonate Formation. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	55
4	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
5	Drilling Fluid: State of The Art and Future Trend. , 2012, , .		51
6	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
7	Adaptive and Real-Time Optimal Control of Stick-Slip and Bit Wear in Autonomous Rotary Steerable Drilling. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	2.3	43
8	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
9	Effect of overbalance pressure on formation damage. Journal of Petroleum Science and Engineering, 2002, 36, 97-109.	4.2	40
10	Novel Technique to Eliminate Gas Condensation in Gas Condensate Reservoirs Using Thermochemical Fluids. Energy & Fuels, 2018, 32, 12843-12850.	5.1	38
11	A Combined Barite-Illmenite Weighting Material to Prevent Barite Sag in Water-Based Drilling Fluid. Materials, 2019, 12, 1945.	2.9	37
12	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
13	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
14	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
15	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
16	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
17	Formation Damage Avoidance by Reducing Invasion with Sodium Silicate-Modified Water-Based Drilling Fluid. Energies, 2019, 12, 1485.	3.1	16
18	Removal of Calcium Carbonate Water-Based Filter Cake Using a Green Biodegradable Acid. Sustainability, 2020, 12, 994.	3.2	14

#	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	Improved Predictions in Oil Operations Using Artificial Intelligent Techniques. , 2019, , .		13
21	Formation Damage Induced by Various Water-Based Fluids Used to Drill HP/HT Wells. , 2008, , .		12
22	State of the Art and Future Trend of Drilling Fluid: An Experimental Study. , 2012, , .		12
23	Factors affecting pseudo relative permeability curves. Journal of Petroleum Science and Engineering, 1998, 21, 249-261.	4.2	11
24	Application of Nanotechnology in Oil Well Cementing. , 2017, , .		11
25	Mitigation of Condensate Banking Using Thermochemical Treatment: Experimental and Analytical Study. Energies, 2019, 12, 800.	3.1	11
26	Gas Production from Gas Condensate Reservoirs Using Sustainable Environmentally Friendly Chemicals. Sustainability, 2019, 11, 2838.	3.2	7
27	New Chemical Treatment for Permanent Removal of Condensate Banking from Different Gas Reservoirs. ACS Omega, 2019, 4, 22228-22236.	3.5	7
28	Condensate-Banking Removal and Gas-Production Enhancement Using Thermochemical Injection: A Field-Scale Simulation. Processes, 2020, 8, 727.	2.8	7
29	A CRITICAL REVIEW OF DRILLING WASTE MANAGEMENT TOWARDS SUSTAINABLE SOLUTIONS. Environmental Engineering and Management Journal, 2017, 16, 1435-1450.	0.6	7
30	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
31	Developing an Efficient Drilling System by Coupling Torque Modelling with Mechanical Specific Energy. , 2018, , .		5
32	Development of A New Chemical Treatment for Removing Water Blockage in Tight Reservoirs. , 2019, , .		5
33	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
34	Enhancement of Static and Dynamic Sag Performance of Water-Based Mud Using a Synthetic Clay. ACS Omega, 2021, 6, 8179-8188.	3.5	5
35	A non-destructive method for mapping formation damage. Ultrasonics, 2001, 39, 321-328.	3.9	4
36	A Novel Technique for Removing Wax Deposition in the Production System Using Thermochemical Fluids. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	A New Technique to Quantify the Productivity of Complex Wells Using Artificial Intelligence Tools. , 2020, , .		3
40	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
41	Oil Rock Interaction: Impact on Optimum Drawdown. , 2008, , .		2
42	Removal of Condensate Banking from Different Formations Using Thermochemical Treatment. , 2019, , .		2
43	Enhance the Gas Productivity for Shale Gas Reservoirs Using Thermochemical Treatment. , 2020, , .		2
44	Using Data-Mining CRISP-DM Methodology to Predict Drilling Troubles in Real-Time. , 2021, , .		2
45	Effect of Bentonite Prehydration Time on the Stability of Lightweight Oil-Well Cement System. Geofluids, 2021, 2021, 1-8.	0.7	2
46	Autonomous Trenchless Horizontal Directional Drilling. Studies in Systems, Decision and Control, 2020, , 47-65.	1.0	2
47	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
48	Experimental Factors Affecting Mercury Capillary Pressure Curves. Journal of Colloid and Interface Science, 1995, 175, 515-517.	9.4	0
49	Automatic Trenchless Horizontal Directional Drilling Using Quad Motors Drilling Heads. , 2018, , .		0
50	Prevention of Barite Sagging for Invert Emulsion Drilling Fluid While Drilling High-Pressure High-Temperature Wells. , 2020, , .		0
51	Novel Condensate Removal with in-Situ Pressure Generation Via Thermochemical Fluids in Different Sandstone Formations. , 2020, , .		0
52	Mitigation of Gas Condensate Banking Using Thermochemical Fluids and Gemini Surfactant: A Comparison Study. , 2021, , .		0
53	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
54	A Game-Theoretic Approach to Improve Energy-Related Data. ACS Omega, 0, , .	3.5	0