

Mahmoud Khalifeh

List of Publications by Year in descending order

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papers

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623188

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docs citations

53
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study of Hydraulic Sealability and Shear Bond Strength of Cementitious Barrier Materials. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	1.4	16
2	Effect of Zn ²⁺ and K ⁺ as Retarding Agents on Rock-Based Geopolymers for Downhole Cementing Operations. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	1.4	11
3	Characterization of the mud displacement in an enlarged wellbore: An integrated rock-fluid model. Journal of Natural Gas Science and Engineering, 2022, 100, 104471.	2.1	4
4	Experimental Evaluation of the Effect of Temperature on the Mechanical Properties of Setting Materials for Well Integrity. SPE Journal, 2022, 27, 2577-2589.	1.7	5
5	Application of non-parametric statistical methods to predict pumpability of geopolymers for well cementing. Journal of Petroleum Science and Engineering, 2022, 212, 110333.	2.1	2
6	Bonding Mechanism of Zonal Isolation Materials to Clean and Rusted Casing. SPE Journal, 2022, 27, 2613-2627.	1.7	6
7	Sealing Performance of Geopolymer for Plugging and Abandonment; Apple-to-Apple Scenario. , 2022, , .		3
8	Materials for Well Integrity â€™ Rheological Behavior Study. , 2022, , .		1
9	Impact of Admixtures on Pumpability and Short-Term Mechanical Properties of Rock-Based Geopolymer Designed for Zonal Isolation and Well Abandonment. , 2022, , .		0
10	The fate of hydrocarbon leaks from plugged and abandoned wells by means of natural seepages. Journal of Petroleum Science and Engineering, 2021, 196, 108004.	2.1	9
11	The Fundamental Principles and Standard Evaluation for Fluid Loss and Possible Extensions of Test Methodology to Assess Consequences for Formation Damage. Energies, 2021, 14, 2252.	1.6	4
12	Preventing Drilling Fluid Induced Reservoir Formation Damage. , 2021, , .		2
13	Alternative setting materials for primary cementing and zonal isolation â€™ Laboratory evaluation of rheological and mechanical properties. Journal of Petroleum Science and Engineering, 2021, 201, 108455.	2.1	23
14	Manuscript Title: Characterization of Microannuli at the Cement-Casing Interface: Development of Methodology. , 2021, , .		0
15	Investigation of the Combined Effects of Temperature and Large-Scale Tortuosity on Friction-Factor Profile in Straight Inclined Sections. SPE Journal, 2020, 25, 1174-1192.	1.7	0
16	Gel Pills for Downhole Pressure Control during Oil and Gas Well Drilling. Energies, 2020, 13, 6318.	1.6	2
17	Materials for Well Integrity â€™ Short-Term Mechanical Properties of Cement Systems. , 2020, , .		3
18	Effect of nanoparticles on properties of geopolymers designed for well cementing applications. Journal of Petroleum Science and Engineering, 2020, 191, 107128.	2.1	47

#	ARTICLE	IF	CITATIONS
19	Introduction to Permanent Plug and Abandonment of Wells. Ocean Engineering & Oceanography, 2020, , .	0.1	37
20	Experimental Evaluation of Geopolymer, Nano-Modified, and Neat Class H Cement by Using Diametrically Compressive Tests. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	1.4	15
21	Specification for Permanent Plugging Materials. Ocean Engineering & Oceanography, 2020, , 71-95.	0.1	1
22	Materials for Well Integrity: Characterization of Short-Term Mechanical Properties. , 2020, , .		4
23	Types of Permanent Plugging Materials. Ocean Engineering & Oceanography, 2020, , 97-136.	0.1	2
24	General Principles of Well Barriers. Ocean Engineering & Oceanography, 2020, , 11-69.	0.1	5
25	Barrier Verification. Ocean Engineering & Oceanography, 2020, , 249-273.	0.1	0
26	Potential Utilization of Neutron Logging Technology for Casing Cement Evaluation - Feasibility Study. , 2020, , .		0
27	Drilling Fluid Power-Law Viscosity Model - Impact of Model Parameters on Frictional Pressure Loss Uncertainty. , 2019, , .		2
28	Drilling Fluids - Lost Circulation Treatment. , 2019, , .		4
29	Experimental study of temperature effects on wellbore material properties to enhance temperature profile modeling for production wells. Journal of Petroleum Science and Engineering, 2019, 176, 689-701.	2.1	15
30	Laboratory evaluation of rock-based geopolymers for zonal isolation and permanent P&A applications. Journal of Petroleum Science and Engineering, 2019, 175, 352-362.	2.1	31
31	Plug & abandonment of offshore wells: Ensuring long-term well integrity and cost-efficiency. Journal of Petroleum Science and Engineering, 2019, 173, 478-491.	2.1	171
32	Potentials of Nano-Designed Plugs: Implications for Short and Long Term Well Integrity. , 2019, , .		4
33	Fate of Hydrocarbon Leaks From Plugged and Abandoned Wells Compared to Natural Seepages. , 2019, , .		0
34	A Critical Review of Rules and Regulations for Permanently Plugged and Abandoned Wells. , 2019, , .		0
35	Mechanical Friction in Well Construction and Laboratory Testing of Friction Coefficients. , 2019, , .		0
36	Nano-Modified Rock-Based Geopolymers As Supplement to Portland Cement for Oil Well Cementing. , 2019, , .		0

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37	Bond Strength Between Different Casing Materials and Cement. , 2018, , .		16
38	Potential Utilization for a Rock-Based Geopolymer in Oil Well Cementing. , 2018, , .		4
39	Geopolymers as an Alternative for Oil Well Cementing Applications: A Review of Advantages and Concerns. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	42
40	Long-term durability of rock-based geopolymers aged at downhole conditions for oil well cementing operations. Journal of Sustainable Cement-Based Materials, 2017, 6, 217-230.	1.7	36
41	Nanorubber-modified cement system for oil and gas well cementing application. Journal of Natural Gas Science and Engineering, 2017, 47, 91-100.	2.1	22
42	Technology Trends in Cement Job Evaluation Using Logging Tools. , 2017, , .		5
43	Development and Characterization of Norite-Based Cementitious Binder from an Ilmenite Mine Waste Stream. Advances in Materials Science and Engineering, 2017, 2017, 1-7.	1.0	6
44	Experimental study on the synthesis and characterization of aplite rock-based geopolymers. Journal of Sustainable Cement-Based Materials, 2016, 5, 233-246.	1.7	29
45	Usability of Geopolymers for Oil Well Cementing Applications: Reaction Mechanisms, Pumpability, and Properties. , 2016, , .		11
46	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Aplite-Based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
47	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Rock-based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
48	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Rock-based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
49	Potential Utilization of Geopolymers in Plug and Abandonment Operations. , 2014, , .		19
50	Potential utilization of class C fly ash-based geopolymer in oil well cementing operations. Cement and Concrete Composites, 2014, 53, 10-17.	4.6	54
51	Asphaltene deposition prediction using adaptive neuro-fuzzy models based on laboratory measurements. Fluid Phase Equilibria, 2013, 337, 89-99.	1.4	18
52	An Experimental and Simulation Study of Asphaltene-Induced Permeability Impairment under Natural Depletion Condition. , 2013, , .		2
53	Techniques and Materials for North Sea Plug and Abandonment Operations. , 2013, , .		17