

Mahmoud Khalifeh

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

719
citations

623188

14
h-index

580395

25
g-index

53
all docs

53
docs citations

53
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Effect of nanoparticles on properties of geopolymers designed for well cementing applications. Journal of Petroleum Science and Engineering, 2020, 191, 107128.	2.1	47
4	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
5	Introduction to Permanent Plug and Abandonment of Wells. Ocean Engineering & Oceanography, 2020, , .	0.1	37
6	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
7	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
8	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
9	Alternative setting materials for primary cementing and zonal isolation “ Laboratory evaluation of rheological and mechanical properties. Journal of Petroleum Science and Engineering, 2021, 201, 108455.	2.1	23
10	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
11	Potential Utilization of Geopolymers in Plug and Abandonment Operations. , 2014, , .		19
12	Asphaltene deposition prediction using adaptive neuro-fuzzy models based on laboratory measurements. Fluid Phase Equilibria, 2013, 337, 89-99.	1.4	18
13	Techniques and Materials for North Sea Plug and Abandonment Operations. , 2013, , .		17
14	Bond Strength Between Different Casing Materials and Cement. , 2018, , .		16
15	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
16	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
17	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
18	Usability of Geopolymers for Oil Well Cementing Applications: Reaction Mechanisms, Pumpability, and Properties. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Bonding Mechanism of Zonal Isolation Materials to Clean and Rusted Casing. SPE Journal, 2022, 27, 2613-2627.	1.7	6
23	Technology Trends in Cement Job Evaluation Using Logging Tools. , 2017, , .		5
24	General Principles of Well Barriers. Ocean Engineering & Oceanography, 2020, , 11-69.	0.1	5
25	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
26	Potential Utilization for a Rock-Based Geopolymer in Oil Well Cementing. , 2018, , .		4
27	Drilling Fluids - Lost Circulation Treatment. , 2019, , .		4
28	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
29	Potentials of Nano-Designed Plugs: Implications for Short and Long Term Well Integrity. , 2019, , .		4
30	Materials for Well Integrity: Characterization of Short-Term Mechanical Properties. , 2020, , .		4
31	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
32	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Aplite-Based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
33	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Rock-based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
34	Cap Rock Restoration in Plug and Abandonment Operations; Possible Utilization of Rock-based Geopolymers for Permanent Zonal Isolation and Well Plugging. , 2015, , .		3
35	Materials for Well Integrity – Short-Term Mechanical Properties of Cement Systems. , 2020, , .		3
36	Sealing Performance of Geopolymer for Plugging and Abandonment; Apple-to-Apple Scenario. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
37	An Experimental and Simulation Study of Asphaltene-Induced Permeability Impairment under Natural Depletion Condition. , 2013, , .		2
38	Drilling Fluid Power-Law Viscosity Model - Impact of Model Parameters on Frictional Pressure Loss Uncertainty. , 2019, , .		2
39	Gel Pills for Downhole Pressure Control during Oil and Gas Well Drilling. Energies, 2020, 13, 6318.	1.6	2
40	Preventing Drilling Fluid Induced Reservoir Formation Damage. , 2021, , .		2
41	Types of Permanent Plugging Materials. Ocean Engineering & Oceanography, 2020, , 97-136.	0.1	2
42	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
43	Specification for Permanent Plugging Materials. Ocean Engineering & Oceanography, 2020, , 71-95.	0.1	1
44	Materials for Well Integrity â€œ Rheological Behavior Study. , 2022, , .		1
45	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
46	Fate of Hydrocarbon Leaks From Plugged and Abandoned Wells Compared to Natural Seepages. , 2019, , .		0
47	A Critical Review of Rules and Regulations for Permanently Plugged and Abandoned Wells. , 2019, , .		0
48	Mechanical Friction in Well Construction and Laboratory Testing of Friction Coefficients. , 2019, , .		0
49	Nano-Modified Rock-Based Geopolymers As Supplement to Portland Cement for Oil Well Cementing. , 2019, , .		0
50	Barrier Verification. Ocean Engineering & Oceanography, 2020, , 249-273.	0.1	0
51	Potential Utilization of Neutron Logging Technology for Casing Cement Evaluation - Feasibility Study. , 2020, , .		0
52	Manuscript Title: Characterization of Microannuli at the Cement-Casing Interface: Development of Methodology. , 2021, , .		0
53	Impact of Admixtures on Pumpability and Short-Term Mechanical Properties of Rock-Based Geopolymer Designed for Zonal Isolation and Well Abandonment. , 2022, , .		0