Abdulmohsin Imqam

List of Publications by Year
in descending order

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52	1,386	361413	395702
papers	citations	20	33
		h-index	g-index

52	52	52	693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proppant Transport Using High-Viscosity Friction Reducer Fracture Fluids at High-Temperature Environment. SPE Journal, 2022, 27, 60-76.	3.1	31
2	Asphaltene Thermodynamic Precipitation during Miscible Nitrogen Gas Injection. SPE Journal, 2022, 27, 877-894.	3.1	5
3	An Experimental Investigation of Asphaltene Aggregation Under Carbon Dioxide Injection Flow in Ultra-Low-Permeability Pore Structure. , 2022, , .		3
4	Asphaltene Precipitation and Deposition under Miscible and Immiscible Carbon Dioxide Gas Injection in Nanoshale Pore Structure. SPE Journal, 2022, , 1-17.	3.1	5
5	Settling of Spherical Particles in High Viscosity Friction Reducer Fracture Fluids. Energies, 2021, 14, 2462.	3.1	21
6	Sealant injectivity through void space conduits to assess remediation of well cement failure. Journal of Petroleum Exploration and Production, 2021, 11, 2791-2804.	2.4	6
7	Asphaltene Thermodynamic Flocculation during Immiscible Nitrogen Gas Injection. SPE Journal, 2021, 26, 3188-3204.	3.1	7
8	Class C fly ash-based alkali activated cement as a potential alternative cement for CO2 storage applications. Journal of Petroleum Science and Engineering, 2021, 201, 108408.	4.2	18
9	A Simple Classification of Wellbore Integrity Problems Related to Fluids Migration. Arabian Journal for Science and Engineering, 2021, 46, 6131-6141.	3.0	5
10	Huff-n-Puff Technology for Enhanced Oil Recovery in Shale/Tight Oil Reservoirs: Progress, Gaps, and Perspectives. Energy & Fuels, 2021, 35, 17279-17333.	5.1	41
11	An Experimental Study Investigating the Impact of Miscible and Immiscible Nitrogen Injection on Asphaltene Instability in Nano Shale Pore Structure. , 2021, , .		5
12	An experimental investigation of asphaltene stability in heavy crude oil during carbon dioxide injection. Journal of Petroleum Exploration and Production, 2020, 10, 919-931.	2.4	22
13	The potential of using micro-sized crosslinked polymer gel to remediate water leakage in cement sheaths. Journal of Petroleum Exploration and Production, 2020, 10, 871-881.	2.4	6
14	Hydrolyzed polyacrylamide â€“ Fly ash reinforced polymer for chemical enhanced oil recovery: Part 1 â€“ Injectivity experiments. Fuel, 2020, 260, 116310.	6.4	21
15	Application of carbon dioxide injection in shale oil reservoirs for increasing oil recovery and carbon dioxide storage. Fuel, 2020, 265, 116944.	6.4	71
16	Silica and Graphene Oxide Nanoparticle Formulation To Improve Thermal Stability and Inhibition Capabilities of Water-Based Drilling Fluid Applied to Woodford Shale. SPE Drilling and Completion, 2020, 35, 164-179.	1.6	20
17	Critical review of asphaltene properties and factors impacting its stability in crude oil. Journal of Petroleum Exploration and Production, 2020, 10, 1183-1200.	2.4	133
18	High Pressure-High Temperature Nitrogen Interaction with Crude Oil and Its Impact on Asphaltene Deposition in Nano Shale Pore Structure: An Experimental Study. , 2020, , .		10

#	Article	IF	Citations
19	Flow of carbon dioxide in micro and nano pores and its interaction with crude oil to induce asphaltene instability. SN Applied Sciences, 2020, 2, 1.	2.9	7
20	High pressure-high temperature carbon dioxide adsorption to shale rocks using a volumetric method. International Journal of Greenhouse Gas Control, 2020, 95, 102998.	4.6	17
21	An experimental investigation of immiscible carbon dioxide interactions with crude oil: Oil swelling and asphaltene agitation. Fuel, 2020, 269, 117380.	6.4	12
22	Solids-Free Epoxy Sealant Materials' Injectivity through Channels for Remedial Job Operations. , 2020, , .		1
23	A simplified method for experimentally quantifying crude oil swelling during immiscible carbon dioxide injection. Journal of Petroleum Exploration and Production, 2020, 10, 3031-3042.	2.4	7
24	A data analysis of immiscible carbon dioxide injection applications for enhanced oil recovery based on an updated database. SN Applied Sciences, 2020, 2, 1.	2.9	12
25	Fly ash Class C based geopolymer for oil well cementing. Journal of Petroleum Science and Engineering, 2019, 179, 750-757.	4.2	36
26	Water-based drilling fluid formulation using silica and graphene nanoparticles for unconventional shale applications. Journal of Petroleum Science and Engineering, 2019, 179, 742-749.	4.2	77
27	Investigate The Rheological Behavior of High Viscosity Friction Reducer Fracture Fluid and Its Impact on Proppant Static Settling Velocity. , 2019, , .		18
28	Investigating geopolymer cement performance in presence of water based drilling fluid. Journal of Petroleum Science and Engineering, 2019, 176, 934-942.	4.2	41
29	Carbon Dioxide Injection Pressure and Reservoir Temperature Impact on Oil Recovery from Unconventional Shale Reservoirs During Cyclic CO2 Injection: An Experimental Study. , 2019, , .		7
30	Roadmap to Asphaltene Characteristics, Properties, and Presence in Crude Oils Based on an Updated Database From Laboratory Studies. , 2019, , .		6
31	The Effect of Unconventional Oil Reservoirsâ€™ Nano Pore Size on the Stability of Asphaltene During Carbon Dioxide Injection. , 2019, , .		8
32	A characterization of different alkali chemical agents for alkaline flooding enhanced oil recovery operations: an experimental investigation. SN Applied Sciences, 2019, 1, 1.	2.9	21
33	Evaluation of an Ultra-High Performance Epoxy Resin Sealant for Wellbore Integrity Applications. , 2019, , .		9
34	Asphaltene precipitation and deposition during CO2 injection in nano shale pore structure and its impact on oil recovery. Fuel, 2019, 237, 1029-1039.	6.4	83
35	Areal sweep efficiency improvement by integrating preformed particle gel and low salinity water flooding in fractured reservoirs. Fuel, 2018, 221, 380-392.	6.4	43
36	Experimental study of combining low salinity water flooding and preformed particle gel to enhance oil recovery for fractured carbonate reservoirs. Fuel, 2018, 214, 342-350.	6.4	50

#	Article	IF	Citations
37	Investigating and Mitigating Asphaltene Precipitation and Deposition in Low Permeability Oil Reservoirs During Carbon Dioxide Flooding to Increase Oil Recovery. , 2018, , .		19
38	Investigating the Viscosity Reduction of Ultra-Heavy Crude Oil Using Hydrocarbon Soluble Low Molecular Weight Compounds to Improve Oil Production and Transportation. , 2018, , .		12
39	Proppant Transport Behavior in Inclined Versus Vertical Hydraulic Fractures: An Experimental Study. , 2018, , .		13
40	New Cement Formulations Utilizing Graphene Nano Platelets to Improve Cement Properties and Long-Term Reliability in Oil Wells. , 2018, , .		24
41	Increasing Production Flow Rate and Overall Recovery from Gas Hydrate Reservoirs Using a Combined Steam Flooding-Thermodynamic Inhibitor Technique. , 2018, , .		10
42	Micro-particle gel transport performance through unconsolidated sandstone and its blocking to water flow during conformance control treatments. Fuel, 2018, 231, 479-488.	6.4	45
43	The plugging performance of preformed particle gel to water flow through large opening void space conduits. Journal of Petroleum Science and Engineering, 2017, 156, 51-61.	4.2	48
44	Preformed-Particle-Gel Transport Through Heterogeneous Void-Space Conduits. SPE Journal, 2017, 22, 1437-1447.	3.1	42
45	Novel Mathematical Models to predict Preformed Particle Gel Placement and Propagation through Fractures. , 2017, , .		11
46	Ceramic Proppant Transport and Placement in Heterogeneous Fracture Systems. , 2017, , .		10
47	Use of Hydrochloric Acid To Remove Filter-Cake Damage From Preformed Particle Gel During Conformance-Control Treatments. SPE Production and Operations, 2016, 31, 247-257.	0.6	25
48	Preformed-Particle-Gel Extrusion Through Open Conduits During Conformance-Control Treatments. SPE Journal, 2015, 20, 1083-1093.	3.1	93
49	Combining Conformance Treatment with Mobility Control Improves Oil Sweep Efficiency in Non-Cross Flow Heterogeneous Reservoirs. , 2015, , .		3
50	Optimizing the strength and size of preformed particle gels for better conformance control treatment. Fuel, 2015, 148, 178-185.	6.4	129
51	Characterizations of Disproportionate Permeability Reduction of Particle Gels through Fractures. , 2014, , .		9
52	Hydrochloric Acid Applications to Improve Particle Gel Conformance Control Treatment. , 2014, , .		8