

Abdalmohsin Imqam

List of Publications by Year in descending order

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52
papers

1,386
citations

361413

20
h-index

395702

33
g-index

52
all docs

52
docs citations

52
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Optimizing the strength and size of preformed particle gels for better conformance control treatment. Fuel, 2015, 148, 178-185.	6.4	129
3	Preformed-Particle-Gel Extrusion Through Open Conduits During Conformance-Control Treatments. SPE Journal, 2015, 20, 1083-1093.	3.1	93
4	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
5	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
6	Application of carbon dioxide injection in shale oil reservoirs for increasing oil recovery and carbon dioxide storage. Fuel, 2020, 265, 116944.	6.4	71
7	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
8	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
9	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
10	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
11	Preformed-Particle-Gel Transport Through Heterogeneous Void-Space Conduits. SPE Journal, 2017, 22, 1437-1447.	3.1	42
12	Investigating geopolymer cement performance in presence of water based drilling fluid. Journal of Petroleum Science and Engineering, 2019, 176, 934-942.	4.2	41
13	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
14	Fly ash Class C based geopolymer for oil well cementing. Journal of Petroleum Science and Engineering, 2019, 179, 750-757.	4.2	36
15	Proppant Transport Using High-Viscosity Friction Reducer Fracture Fluids at High-Temperature Environment. SPE Journal, 2022, 27, 60-76.	3.1	31
16	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
17	New Cement Formulations Utilizing Graphene Nano Platelets to Improve Cement Properties and Long-Term Reliability in Oil Wells. , 2018, , .		24
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Hydrolyzed polyacrylamide “ Fly ash reinforced polymer for chemical enhanced oil recovery: Part 1 “ Injectivity experiments. Fuel, 2020, 260, 116310.	6.4	21
21	Settling of Spherical Particles in High Viscosity Friction Reducer Fracture Fluids. Energies, 2021, 14, 2462.	3.1	21
22	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
23	Investigating and Mitigating Asphaltene Precipitation and Deposition in Low Permeability Oil Reservoirs During Carbon Dioxide Flooding to Increase Oil Recovery. , 2018, , .		19
24	Investigate The Rheological Behavior of High Viscosity Friction Reducer Fracture Fluid and Its Impact on Proppant Static Settling Velocity. , 2019, , .		18
25	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
26	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
27	Proppant Transport Behavior in Inclined Versus Vertical Hydraulic Fractures: An Experimental Study. , 2018, , .		13
28	Investigating the Viscosity Reduction of Ultra-Heavy Crude Oil Using Hydrocarbon Soluble Low Molecular Weight Compounds to Improve Oil Production and Transportation. , 2018, , .		12
29	An experimental investigation of immiscible carbon dioxide interactions with crude oil: Oil swelling and asphaltene agitation. Fuel, 2020, 269, 117380.	6.4	12
30	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
31	Novel Mathematical Models to predict Preformed Particle Gel Placement and Propagation through Fractures. , 2017, , .		11
32	Ceramic Proppant Transport and Placement in Heterogeneous Fracture Systems. , 2017, , .		10
33	Increasing Production Flow Rate and Overall Recovery from Gas Hydrate Reservoirs Using a Combined Steam Flooding-Thermodynamic Inhibitor Technique. , 2018, , .		10
34	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
35	Characterizations of Disproportionate Permeability Reduction of Particle Gels through Fractures. , 2014, , .		9
36	Evaluation of an Ultra-High Performance Epoxy Resin Sealant for Wellbore Integrity Applications. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
37	Hydrochloric Acid Applications to Improve Particle Gel Conformance Control Treatment. , 2014, , .		8
38	The Effect of Unconventional Oil Reservoirsâ€™ Nano Pore Size on the Stability of Asphaltene During Carbon Dioxide Injection. , 2019, , .		8
39	Carbon Dioxide Injection Pressure and Reservoir Temperature Impact on Oil Recovery from Unconventional Shale Reservoirs During Cyclic CO2 Injection: An Experimental Study. , 2019, , .		7
40	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
41	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
42	Asphaltene Thermodynamic Flocculation during Immiscible Nitrogen Gas Injection. SPE Journal, 2021, 26, 3188-3204.	3.1	7
43	Roadmap to Asphaltene Characteristics, Properties, and Presence in Crude Oils Based on an Updated Database From Laboratory Studies. , 2019, , .		6
44	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
45	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
46	A Simple Classification of Wellbore Integrity Problems Related to Fluids Migration. Arabian Journal for Science and Engineering, 2021, 46, 6131-6141.	3.0	5
47	An Experimental Study Investigating the Impact of Miscible and Immiscible Nitrogen Injection on Asphaltene Instability in Nano Shale Pore Structure. , 2021, , .		5
48	Asphaltene Thermodynamic Precipitation during Miscible Nitrogen Gas Injection. SPE Journal, 2022, 27, 877-894.	3.1	5
49	Asphaltene Precipitation and Deposition under Miscible and Immiscible Carbon Dioxide Gas Injection in Nanoshale Pore Structure. SPE Journal, 2022, , 1-17.	3.1	5
50	Combining Conformance Treatment with Mobility Control Improves Oil Sweep Efficiency in Non-Cross Flow Heterogeneous Reservoirs. , 2015, , .		3
51	An Experimental Investigation of Asphaltene Aggregation Under Carbon Dioxide Injection Flow in Ultra-Low-Permeability Pore Structure. , 2022, , .		3
52	Solids-Free Epoxy Sealant Materials' Injectivity through Channels for Remedial Job Operations. , 2020, , .		1