

Dheiaa K Alfarge

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Performance evaluation of analytical methods in linear flow data for hydraulically-fractured gas wells. Journal of Petroleum Science and Engineering, 2022, 208, 109467.	4.2	4
2	Study on Uncertainty Analysis for Drilling Engineering Applications: Wellbore Stability Assessments. Arabian Journal for Science and Engineering, 2022, 47, 11687-11698.	3.0	2
3	New empirical equation to predict the pore pressure in oil reservoirs. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	4
4	Rock-Wettability Impact on CO ₂ -Carbonate Rock Interaction and the Attendant Effects on CO ₂ Storage in Carbonate Reservoirs. Journal of Natural Gas Science and Engineering, 2022, 104, 104664.	4.4	11
5	Factors affecting gel strength design for conformance control: An integrated investigation. Journal of Petroleum Science and Engineering, 2021, 204, 108711.	4.2	5
6	Natural gas-based EOR versus CO ₂ -EOR in shale and tight oil reservoirs. Developments in Petroleum Science, 2020, 67, 65-85.	0.2	2
7	Introduction to shale and tight oil reservoirs. Developments in Petroleum Science, 2020, , 1-13.	0.2	1
8	CO ₂ -EOR in shale-oil reservoirs based on a laboratory database. Developments in Petroleum Science, 2020, , 15-44.	0.2	0
9	Comparative analysis between CO ₂ -EOR mechanisms in conventional reservoirs versus shale and tight reservoirs. Developments in Petroleum Science, 2020, , 45-63.	0.2	3
10	Air injection in shale and tight oil reservoirs. Developments in Petroleum Science, 2020, 67, 87-111.	0.2	3
11	Water injection in unconventional reservoirs. Developments in Petroleum Science, 2020, , 113-140.	0.2	3
12	Chemical enhanced oil recovery methods for unconventional reservoirs. Developments in Petroleum Science, 2020, 67, 141-163.	0.2	1
13	Selection criteria for miscible gases-based EOR in unconventional liquid-rich reservoirs (ULR). Developments in Petroleum Science, 2020, 67, 165-183.	0.2	1
14	Other enhanced oil recovery methods for unconventional reservoirs. Developments in Petroleum Science, 2020, , 185-199.	0.2	2
15	The effects of nanopore confinement on different enhanced oil recovery methods. Developments in Petroleum Science, 2020, 67, 201-216.	0.2	2
16	The impacts of geomechanics coupling on CO ₂ -EOR. Developments in Petroleum Science, 2020, , 217-243.	0.2	0
17	Comparative and optimization of CO ₂ and natural gas EOR methods. Developments in Petroleum Science, 2020, , 245-265.	0.2	0
18	Evaluating the performance of hydraulic-fractures in unconventional reservoirs using production data: Comprehensive review. Journal of Natural Gas Science and Engineering, 2019, 61, 133-141.	4.4	12

#	ARTICLE	IF	CITATIONS
19	Integrated Investigation of CO2-EOR Mechanisms in Huff-n-Puff Operations Based on History Matching Results. , 2018, , .		5
20	Mechanistic Study for the Applicability of CO2-EOR in Unconventional Liquids Rich Reservoirs. , 2018, , .		7
21	CO2-EOR mechanisms in huff-n-puff operations in shale oil reservoirs based on history matching results. Fuel, 2018, 226, 112-120.	6.4	75
22	Numerical simulation study on miscible EOR techniques for improving oil recovery in shale oil reservoirs. Journal of Petroleum Exploration and Production, 2018, 8, 901-916.	2.4	10
23	A Parametric Study on the Applicability of Miscible Gases Based EOR Techniques in Unconventional Liquids Rich Reservoirs. , 2018, , .		6
24	Influencing Factors Analysis in the Combination of Gel Treatment and Low Salinity Water Flooding Using Sensitivity Analysis. , 2018, , .		2
25	Data analysis for CO2-EOR in shale-oil reservoirs based on a laboratory database. Journal of Petroleum Science and Engineering, 2018, 162, 697-711.	4.2	47
26	Miscible Gases Based EOR in Unconventional Liquids Rich Reservoirs: What We Can Learn. , 2018, , .		10
27	Numerical Simulation Study on the Applicability of Relative Permeability Modifiers for Water-Shutoff in Oil Production Wells. , 2018, , .		1
28	Lessons learned from IOR pilots in Bakken formation by using numerical simulation. Journal of Petroleum Science and Engineering, 2018, 171, 1-15.	4.2	10
29	Numerical simulation study to understand the performance of RPM gels in water-shutoff treatments. Journal of Petroleum Science and Engineering, 2018, 171, 818-834.	4.2	10
30	IOR Methods in Unconventional Reservoirs of North America: Comprehensive Review. , 2017, , .		76
31	Optimizing Injector-Producer Spacing for CO2 Injection in Unconventional Reservoirs of North America. , 2017, , .		2
32	Feasibility of CO2-EOR in Shale-Oil Reservoirs: Numerical Simulation Study and Pilot Tests. , 2017, , .		14
33	Applicability of CO2-EOR in Shale-Oil Reservoirs Using Diagnostic Plots. , 2017, , .		4
34	Comparative Study for CO2-EOR and Natural Gases Injection-Techniques for Improving Oil Recovery in Unconventional Oil Reservoirs. , 2017, , .		10
35	Analysis of IOR Pilots in Bakken Formation by Using Numerical Simulation. , 2017, , .		4
36	Effect of Molecular-Diffusion Mechanisim on CO2 Huff-n-Puff Process in Shale-Oil Reservoirs. , 2017, , .		24

#	ARTICLE	IF	CITATIONS
37	Factors Affecting CO ₂ -EOR in Shale-Oil Reservoirs: Numerical Simulation Study and Pilot Tests. Energy & Fuels, 2017, 31, 8462-8480.	5.1	93
38	Numerical simulation study of factors affecting relative permeability modification for water-shutoff treatments. Fuel, 2017, 207, 226-239.	6.4	36
39	Selection Criteria for Miscible-Gases to Enhance Oil Recovery in Unconventional Reservoirs of North America. , 2017, , .		5