

# Dheiaa K Alfarge

## List of Publications by Year in descending order

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39  
papers

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1040056

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839539

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docs citations

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times ranked

283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors Affecting CO <sub>2</sub> -EOR in Shale-Oil Reservoirs: Numerical Simulation Study and Pilot Tests. Energy & Fuels, 2017, 31, 8462-8480.	5.1	93
2	IOR Methods in Unconventional Reservoirs of North America: Comprehensive Review. , 2017, , .		76
3	CO <sub>2</sub> -EOR mechanisms in huff-n-puff operations in shale oil reservoirs based on history matching results. Fuel, 2018, 226, 112-120.	6.4	75
4	Data analysis for CO <sub>2</sub> -EOR in shale-oil reservoirs based on a laboratory database. Journal of Petroleum Science and Engineering, 2018, 162, 697-711.	4.2	47
5	Numerical simulation study of factors affecting relative permeability modification for water-shutoff treatments. Fuel, 2017, 207, 226-239.	6.4	36
6	Effect of Molecular-Diffusion Mechanisim on CO <sub>2</sub> Huff-n-Puff Process in Shale-Oil Reservoirs. , 2017, , .		24
7	Feasibility of CO <sub>2</sub> -EOR in Shale-Oil Reservoirs: Numerical Simulation Study and Pilot Tests. , 2017, , .		14
8	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
9	Rock-Wettability Impact on CO <sub>2</sub> -Carbonate Rock Interaction and the Attendant Effects on CO <sub>2</sub> Storage in Carbonate Reservoirs. Journal of Natural Gas Science and Engineering, 2022, 104, 104664.	4.4	11
10	Comparative Study for CO <sub>2</sub> -EOR and Natural Gases Injection-Techniques for Improving Oil Recovery in Unconventional Oil Reservoirs. , 2017, , .		10
11	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
12	Miscible Gases Based EOR in Unconventional Liquids Rich Reservoirs: What We Can Learn. , 2018, , .		10
13	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
14	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
15	Mechanistic Study for the Applicability of CO <sub>2</sub> -EOR in Unconventional Liquids Rich Reservoirs. , 2018, , .		7
16	A Parametric Study on the Applicability of Miscible Gases Based EOR Techniques in Unconventional Liquids Rich Reservoirs. , 2018, , .		6
17	Selection Criteria for Miscible-Gases to Enhance Oil Recovery in Unconventional Reservoirs of North America. , 2017, , .		5
18	Integrated Investigation of CO <sub>2</sub> -EOR Mechanisms in Huff-n-Puff Operations Based on History Matching Results. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Factors affecting gel strength design for conformance control: An integrated investigation. Journal of Petroleum Science and Engineering, 2021, 204, 108711.	4.2	5
20	Applicability of CO <sub>2</sub> -EOR in Shale-Oil Reservoirs Using Diagnostic Plots. , 2017, , .		4
21	Analysis of IOR Pilots in Bakken Formation by Using Numerical Simulation. , 2017, , .		4
22	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
23	New empirical equation to predict the pore pressure in oil reservoirs. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	4
24	Comparative analysis between CO <sub>2</sub> -EOR mechanisms in conventional reservoirs versus shale and tight reservoirs. Developments in Petroleum Science, 2020, , 45-63.	0.2	3
25	Air injection in shale and tight oil reservoirs. Developments in Petroleum Science, 2020, 67, 87-111.	0.2	3
26	Water injection in unconventional reservoirs. Developments in Petroleum Science, 2020, , 113-140.	0.2	3
27	Optimizing Injector-Producer Spacing for CO <sub>2</sub> Injection in Unconventional Reservoirs of North America. , 2017, , .		2
28	Influencing Factors Analysis in the Combination of Gel Treatment and Low Salinity Water Flooding Using Sensitivity Analysis. , 2018, , .		2
29	Natural gas-based EOR versus CO <sub>2</sub> -EOR in shale and tight oil reservoirs. Developments in Petroleum Science, 2020, 67, 65-85.	0.2	2
30	Other enhanced oil recovery methods for unconventional reservoirs. Developments in Petroleum Science, 2020, , 185-199.	0.2	2
31	The effects of nanopore confinement on different enhanced oil recovery methods. Developments in Petroleum Science, 2020, 67, 201-216.	0.2	2
32	Study on Uncertainty Analysis for Drilling Engineering Applications: Wellbore Stability Assessments. Arabian Journal for Science and Engineering, 2022, 47, 11687-11698.	3.0	2
33	Numerical Simulation Study on the Applicability of Relative Permeability Modifiers for Water-Shutoff in Oil Production Wells. , 2018, , .		1
34	Introduction to shale and tight oil reservoirs. Developments in Petroleum Science, 2020, , 1-13.	0.2	1
35	Chemical enhanced oil recovery methods for unconventional reservoirs. Developments in Petroleum Science, 2020, 67, 141-163.	0.2	1
36	Selection criteria for miscible gases-based EOR in unconventional liquid-rich reservoirs (ULR). Developments in Petroleum Science, 2020, 67, 165-183.	0.2	1

#	ARTICLE	IF	CITATIONS
37	CO2-EOR in shale-oil reservoirs based on a laboratory database. Developments in Petroleum Science, 2020, , 15-44.	0.2	0
38	The impacts of geomechanics coupling on CO2-EOR. Developments in Petroleum Science, 2020, , 217-243.	0.2	0
39	Comparative and optimization of CO2 and natural gas EOR methods. Developments in Petroleum Science, 2020, , 245-265.	0.2	0