Sidqi A Abu-Khamsin

List of Publications by Year
in descending order

45 papers	1,054 citations	516710 16 h-index	434195 31 g-index
45 all docs	45 docs citations	45 times ranked	484 citing authors

#	Article	IF	Citations
1	Surfactant Adsorption Isotherms: A Review. ACS Omega, 2021, 6, 32342-32348.	3.5	290
2	Wettability of rock/CO2/brine and rock/oil/CO2-enriched-brine systems:Critical parametric analysis and future outlook. Advances in Colloid and Interface Science, 2019, 268, 91-113.	14.7	138
3	Variable-order derivative time fractional diffusion model for heterogeneous porous media. Journal of Petroleum Science and Engineering, 2017, 152, 391-405.	4.2	69
4	A review on surfactant retention on rocks: mechanisms, measurements, and influencing factors. Fuel, 2021, 293, 120459.	6.4	65
5	Experimental investigation of carbonate wettability as a function of mineralogical and thermo-physical conditions. Fuel, 2020, 264, 116846.	6.4	49
6	Reaction Kinetics of Fuel Formation for In-Situ Combustion. SPE Reservoir Engineering, 1988, 3, 1308-1316.	0.5	38
7	Fractional derivatives and their applications in reservoir engineering problems: A review. Journal of Petroleum Science and Engineering, 2017, 157, 312-327.	4.2	38
8	DEPOSITIONAL AND DIAGENETIC BARRIERS, BAFFLES AND CONDUITS: PERMIAN â€“ CARBONIFEROUS UNAYZAH RESERVOIR, NUAYYIM FIELD, CENTRAL SAUDI ARABIA. Journal of Petroleum Geology, 2017, 40, 85-103.	1.5	32
9	Adsorption Mechanisms of a Novel Cationic Gemini Surfactant onto Different Rocks. Energy & Fuels, 2022, 36, 5737-5748.	5.1	24
10	An ANN model to predict oil recovery from a 5-spot waterflood of a heterogeneous reservoir. Journal of Petroleum Science and Engineering, 2022, 210, 110012.	4.2	23
11	An experimental investigation of wettability alteration during CO2 immiscible flooding. Journal of Petroleum Science and Engineering, 2014, 120, 73-77.	4.2	22
12	Data-Driven Modeling Approach to Predict the Recovery Performance of Low-Salinity Waterfloods. Natural Resources Research, 2021, 30, 1697-1717.	4.7	22
13	A modified memory-based mathematical model describing fluid flow in porous media. Computers and Mathematics With Applications, 2017, 73, 1385-1402.	2.7	20
14	The spontaneous ignition potential of a super-light crude oil. Fuel, 2001, 80, 1415-1420.	6.4	18
15	A novel empirical correlation for waterflooding performance prediction in stratified reservoirs using artificial intelligence. Neural Computing and Applications, 2021, 33, 2497-2514.	5.6	17
16	Effect of Rock Mineralogy and Oil Composition on Wettability Alteration and Interfacial Tension by Brine and Carbonated Water. Energy & Fuels, 2019, 33, 1983-1989.	5.1	16
17	A Review of Modeling Thermal Displacement Processes in Porous Media. Arabian Journal for Science and Engineering, 2016, 41, 4719-4741.	1.1	12
18	An investigation of factors influencing carbonate rock wettability. Energy Reports, 2021, 7, 1125-1132.	5.1	12

#	Article	IF	Citations
19	UTILIZATION OF MEMORY CONCEPT TO DEVELOP HEAT TRANSFER DIMENSIONLESS NUMBERS FOR POROUS MEDIA UNDERGOING THERMAL FLOODING WITH EQUAL ROCK AND FLUID TEMPERATURES. Journal of Porous Media, 2012, 15, 937-953.	1.9	12
20	DEVELOPMENT OF DIMENSIONLESS NUMBERS FOR HEAT TRANSFER IN POROUS MEDIA USING A MEMORY CONCEPT. Journal of Porous Media, 2012, 15, 957-973.	1.9	12
21	New Vision into Relative Permeability Estimation Using Artificial Neural Networks. , 2020, , .		12
22	A MATHEMATICAL MODEL FOR THERMAL FLOODING WITH EQUAL ROCK AND FLUID TEMPERATURES. Journal of Porous Media, 2015, 18, 731-744.	1.9	11
23	Carbonate Rock Chemical Consolidation Methods: Advancement and Applications. Energy & Fuels, 2022, 36, 4186-4197.	5.1	11
24	Advancing Relative Permeability Estimation Through Data-Driven Modeling. , 2020, , .		10
25	Waterflooding in a tarmat reservoir laboratory model. Journal of Petroleum Science and Engineering, 1993, 9, 251-261.	4.2	9
26	The Impact of Carbonated Water on Wettability: Combined Experimental and Molecular Simulation Approach. SPE Journal, 2022, 27, 945-957.	3.1	8
27	Investigation of in-situ low-temperature oxidation as a viable sand consolidation technique. Journal of Petroleum Science and Engineering, 2004, 42, 107-120.	4.2	7
28	Mass and Heat Transfer of Thermochemical Fluids in a Fractured Porous Medium. Molecules, 2020, 25, 4179.	3.8	7
29	Use of the Memory Concept to Investigate the Temperature Profile during a Thermal EOR Process. , 2011, , .		6
30	Analysis of subdiffusion in disordered and fractured media using a GrÃ¼nwald-Letnikov fractional calculus model. Computational Geosciences, 2018, 22, 1231-1250.	2.4	6
31	Artificial Lift and Mobility Enhancement of Heavy Oil Reservoirs Utilizing a Renewable Energy-Powered Heating Element. ACS Omega, 2019, 4, 20048-20058.	3.5	6
32	Experimental Study of Blending CO2 with Triethyl Citrate for Mitigating Gravity Override During Reservoir Flooding. Arabian Journal for Science and Engineering, 2021, 46, 6787-6796.	3.0	5
33	ANOMALOUS EFFECTS DURING THERMAL DISPLACEMENT IN POROUS MEDIA UNDER NON-LOCAL THERMAL EQUILIBRIUM. Journal of Porous Media, 2018, 21, 161-196.	1.9	5
34	FEASIBILITY OF IN-SITU COMBUSTION OF TAR FROM A TARMAT RESERVOIR. Petroleum Science and Technology, 2002, 20, 393-403.	1.5	4
35	Measurement of Bubble Point Pressures of n-Decane, CO2 and N2 Mixtures. , 2016, , .		4
36	Hydraulic Fracture Conductivity Sustenance in Carbonate Formations Through Rock Strengthening by DAP Solution. , 2022, , .		4

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37	Solubilities of Carbon Dioxide in Ethyl Benzoate and Triethyl Citrate at High Temperatures and Pressures. Journal of Chemical & Engineering Data, 2020, 65, 1857-1868.	1.9	3
38	The Effect of Un-saturates on Low-Temperature Oxidation of Crude Oil. Petroleum Science and Technology, 2003, 21, 1065-1075.	1.5	2
39	A NEW RIGOROUS MATHEMATICAL MODEL TO DESCRIBE IMMISCIBLE CO2-OIL FLOW IN POROUS MEDIA. Journal of Porous Media, 2014, 17, 421-429.	1.9	2
40	Evaluation of Non-Fourier Heat Transfer on Temperature Evolution in an Aquifer Thermal Energy Storage System. Transport in Porous Media, 2018, 124, 825-860.	2.6	1
41	Estimating the Static Bottom-Hole Pressure of Gas Wells by Top Node Calculation Using Apparent Molecular Weight Profiling. Arabian Journal for Science and Engineering, 2019, 44, 6155-6165.	3.0	1
42	Accelerated low-temperature oxidation for sand consolidation and production control. Journal of Petroleum Science and Engineering, 2022, 214, 110567.	4.2	1
43	THE EFFECT OF PRESSURE ON OXIDATION KINETICS OF TAR FROM A TARMAT RESERVOIR. Petroleum Science and Technology, 2002, 20, 113-126.	1.5	0
44	Data Driven Intelligent Modeling to Estimate Adsorption of Methane Gas in Shales. , 2022, , .		0
45	Integration of Formation and Drilling Parameters to Generate a Deterministic ROP Model. , 2022, , .		0