

Sidqi A Abu-Khamsin

List of Publications by Year in descending order

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45
papers

1,054
citations

516710

16
h-index

434195

31
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45
all docs

45
docs citations

45
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Carbonated Water on Wettability: Combined Experimental and Molecular Simulation Approach. SPE Journal, 2022, 27, 945-957.	3.1	8
2	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
3	Data Driven Intelligent Modeling to Estimate Adsorption of Methane Gas in Shales. , 2022, , .		0
4	Hydraulic Fracture Conductivity Sustenance in Carbonate Formations Through Rock Strengthening by DAP Solution. , 2022, , .		4
5	Carbonate Rock Chemical Consolidation Methods: Advancement and Applications. Energy & Fuels, 2022, 36, 4186-4197.	5.1	11
6	Integration of Formation and Drilling Parameters to Generate a Deterministic ROP Model. , 2022, , .		0
7	Accelerated low-temperature oxidation for sand consolidation and production control. Journal of Petroleum Science and Engineering, 2022, 214, 110567.	4.2	1
8	Adsorption Mechanisms of a Novel Cationic Gemini Surfactant onto Different Rocks. Energy & Fuels, 2022, 36, 5737-5748.	5.1	24
9	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
10	Experimental Study of Blending CO ₂ with Triethyl Citrate for Mitigating Gravity Override During Reservoir Flooding. Arabian Journal for Science and Engineering, 2021, 46, 6787-6796.	3.0	5
11	Data-Driven Modeling Approach to Predict the Recovery Performance of Low-Salinity Waterfloods. Natural Resources Research, 2021, 30, 1697-1717.	4.7	22
12	A review on surfactant retention on rocks: mechanisms, measurements, and influencing factors. Fuel, 2021, 293, 120459.	6.4	65
13	An investigation of factors influencing carbonate rock wettability. Energy Reports, 2021, 7, 1125-1132.	5.1	12
14	Surfactant Adsorption Isotherms: A Review. ACS Omega, 2021, 6, 32342-32348.	3.5	290
15	Experimental investigation of carbonate wettability as a function of mineralogical and thermo-physical conditions. Fuel, 2020, 264, 116846.	6.4	49
16	Mass and Heat Transfer of Thermochemical Fluids in a Fractured Porous Medium. Molecules, 2020, 25, 4179.	3.8	7
17	Advancing Relative Permeability Estimation Through Data-Driven Modeling. , 2020, , .		10
18	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

#	ARTICLE	IF	CITATIONS
19	New Vision into Relative Permeability Estimation Using Artificial Neural Networks. , 2020, , .		12
20	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
21	Wettability of rock/CO ₂ /brine and rock/oil/CO ₂ -enriched-brine systems:Critical parametric analysis and future outlook. Advances in Colloid and Interface Science, 2019, 268, 91-113.	14.7	138
22	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
23	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
24	Analysis of subdiffusion in disordered and fractured media using a Grunwald-Letnikov fractional calculus model. Computational Geosciences, 2018, 22, 1231-1250.	2.4	6
25	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
26	ANOMALOUS EFFECTS DURING THERMAL DISPLACEMENT IN POROUS MEDIA UNDER NON-LOCAL THERMAL EQUILIBRIUM. Journal of Porous Media, 2018, 21, 161-196.	1.9	5
27	Variable-order derivative time fractional diffusion model for heterogeneous porous media. Journal of Petroleum Science and Engineering, 2017, 152, 391-405.	4.2	69
28	DEPOSITIONAL AND DIAGENETIC BARRIERS, BAFFLES AND CONDUITS: PERMIAN " CARBONIFEROUS UNAYZAH RESERVOIR, NUAYYIM FIELD, CENTRAL SAUDI ARABIA. Journal of Petroleum Geology, 2017, 40, 85-103.	1.5	32
29	A modified memory-based mathematical model describing fluid flow in porous media. Computers and Mathematics With Applications, 2017, 73, 1385-1402.	2.7	20
30	Fractional derivatives and their applications in reservoir engineering problems: A review. Journal of Petroleum Science and Engineering, 2017, 157, 312-327.	4.2	38
31	A Review of Modeling Thermal Displacement Processes in Porous Media. Arabian Journal for Science and Engineering, 2016, 41, 4719-4741.	1.1	12
32	Measurement of Bubble Point Pressures of n-Decane, CO ₂ and N ₂ Mixtures. , 2016, , .		4
33	A MATHEMATICAL MODEL FOR THERMAL FLOODING WITH EQUAL ROCK AND FLUID TEMPERATURES. Journal of Porous Media, 2015, 18, 731-744.	1.9	11
34	An experimental investigation of wettability alteration during CO ₂ immiscible flooding. Journal of Petroleum Science and Engineering, 2014, 120, 73-77.	4.2	22
35	A NEW RIGOROUS MATHEMATICAL MODEL TO DESCRIBE IMMISCIBLE CO ₂ -OIL FLOW IN POROUS MEDIA. Journal of Porous Media, 2014, 17, 421-429.	1.9	2
36	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

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37	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
38	Use of the Memory Concept to Investigate the Temperature Profile during a Thermal EOR Process. , 2011, , .		6
39	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
40	The Effect of Un-saturates on Low-Temperature Oxidation of Crude Oil. Petroleum Science and Technology, 2003, 21, 1065-1075.	1.5	2
41	FEASIBILITY OF IN-SITU COMBUSTION OF TAR FROM A TARMAT RESERVOIR. Petroleum Science and Technology, 2002, 20, 393-403.	1.5	4
42	THE EFFECT OF PRESSURE ON OXIDATION KINETICS OF TAR FROM A TARMAT RESERVOIR. Petroleum Science and Technology, 2002, 20, 113-126.	1.5	0
43	The spontaneous ignition potential of a super-light crude oil. Fuel, 2001, 80, 1415-1420.	6.4	18
44	Waterflooding in a tarmat reservoir laboratory model. Journal of Petroleum Science and Engineering, 1993, 9, 251-261.	4.2	9
45	Reaction Kinetics of Fuel Formation for In-Situ Combustion. SPE Reservoir Engineering, 1988, 3, 1308-1316.	0.5	38