

Amin Azdarpour

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

848
citations

15
h-index

28
g-index

66
ext. papers

1,041
ext. citations

3.7
avg. IF

4.29
L-index

#	Paper	IF	Citations
58	Experimental investigation of the effect of a quinoa-derived saponin-based green natural surfactant on enhanced oil recovery. <i>Fuel</i> , 2022 , 318, 123652	7.1	3
57	ANN Modeling and experimental study of the effect of various factors on solar desalination 2021 , 70, 41-57		1
56	Pilot-scale experiments on a hybrid membrane-electrocoagulation system to produced water treatment in a domestic oil reservoir. <i>Water Practice and Technology</i> , 2021 , 16, 210-225	0.9	1
55	Experimental and modeling investigation of using drag reducing agents as the wax depositions inhibitor in a simulated scaled pipeline. <i>Petroleum Science and Technology</i> , 2021 , 39, 909-925	1.4	
54	Effect of Cu-MOFs incorporation on gas separation of Pebax thin film nanocomposite (TFN) membrane. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 121-128	2.8	3
53	Recent applications of ultrasonic waves in improved oil recovery: A review of techniques and results. <i>Ultrasonics</i> , 2021 , 110, 106288	3.5	13
52	Experimental Investigation of Synergism Between Low Saline Water and Surfactant-Silica Nanoparticle in Enhanced Oil Recovery Processes 2021 ,		2
51	Experimental and modelling approach to investigate the mechanisms of formation damage due to calcium carbonate precipitation in carbonate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 205, 108801	4.4	3
50	Probing Methane Foam Transport in Heterogeneous Porous Media: An Experimental and Numerical Case Study of Permeability-Dependent Rheology and Fluid Diversion at Field Scale. <i>SPE Journal</i> , 2020 , 25, 1697-1710	3.1	8
49	Improvement of porous polyvinylidene fluoride-co-hexafluoropropylene hollow fiber membranes for sweeping gas membrane distillation of ethylene glycol solution. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 3002-3010	3.2	4
48	An experimental study on the effects of direct and indirect use of solar energy on solar seawater desalination. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 259-268	1.4	3
47	Numerical simulation of water production process and spontaneous imbibition in a fractured gas reservoir [A case study on homa gas field. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 83, 103603	4.6	1
46	First principles versus artificial neural network modelling of a solar desalination system with experimental validation. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2020 , 26, 453-480	1	6
45	Isolating the effect of asphaltene content on enhanced oil recovery during low salinity water flooding of carbonate reservoirs. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-14	1.6	1
44	Mechanistic Investigation of LSW/Surfactant/Alkali Synergism for Enhanced Oil Recovery: Fluid-Fluid Interactions. <i>ACS Omega</i> , 2020 , 5, 30059-30072	3.9	6
43	Investigation of the impact of polymer gels on water and gas production in Homa gas field using well and reservoir modeling. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-14	1.6	3
42	Experimental Investigation of Asphaltene Content Effect on [Crude Oil/CO ₂ Minimum Miscibility Pressure. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020 , 64, 479-490	1.3	1

41	CO2 Storage in Low Permeable Carbonate Reservoirs: Permeability and Interfacial Tension (IFT) Changes During CO2 Injection in an Iranian Carbonate Reservoir. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020 , 64, 491-504	1.3	1
40	Study of viscous oil-water-gas slug flow in a horizontal pipe. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 178, 1-13	4.4	7
39	Air gap membrane distillation of MEG solution using PDMS coated polysulfone hollow fiber membrane. <i>Polymer Testing</i> , 2019 , 76, 1-9	4.5	12
38	The influence of abruptly variable cross-section on oil core eccentricity and flow characteristics during viscous oil-water horizontal flow. <i>Experimental Thermal and Fluid Science</i> , 2019 , 105, 261-277	3	4
37	On prediction of carbon dioxide solubility in aqueous systems of NaCl using LSSVM algorithm. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-10	1.6	
36	Application of commercial zwitterionic surfactants and ionic liquids to reduce interfacial tension and alter wettability in a carbonate reservoir. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-12	1.6	7
35	A mechanistic model to predict pressure drop and holdup pertinent to horizontal gas-liquid-liquid intermittent flow. <i>Chemical Engineering Research and Design</i> , 2019 , 149, 182-194	5.5	2
34	Oxidation behavior and kinetics of Iranian crude oil samples using thermal analysis (TA). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-13	1.6	4
33	CO2 sequestration through direct aqueous mineral carbonation of red gypsum. <i>Petroleum</i> , 2018 , 4, 398-407	4.7	20
32	An Experimental Investigation of Using C19TAB and NaOH as a Novel Chemical EOR Process in a Micromodel System 2018 ,		2
31	The hydrodynamic behavior of high viscous oil-water flow through horizontal pipe undergoing sudden expansion CFD study and experimental validation. <i>Chemical Engineering Research and Design</i> , 2018 , 139, 144-161	5.5	15
30	Semi-Empirical Model to Estimate the Solubility of CO2 NaCl Brine in Conditions Representative of CO2 Sequestration. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 358, 012013	0.4	
29	Demulsification of Light Malaysian Crude Oil Emulsions Using an Electric Field Method. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13247-13256	3.9	17
28	Experimental Investigation of Interfacial Tension Measurement and Oil Recovery by Carbonated Water Injection: A Case Study Using Core Samples from an Iranian Carbonate Oil Reservoir. <i>Energy & Fuels</i> , 2017 , 31, 2740-2748	4.1	53
27	CO2 sequestration using red gypsum via pH-swing process: Effect of carbonation temperature and NH4HCO3 on the process efficiency. <i>International Journal of Mineral Processing</i> , 2017 , 169, 27-34		8
26	Effects of ultrasonic waves on carbon dioxide solubility in brine at different pressures and temperatures. <i>Petroleum Science</i> , 2017 , 14, 597-604	4.4	3
25	Ultrasound-assisted CO flooding to improve oil recovery. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 243-250	8.9	33
24	Simulation study of controlling water coning in oil reservoirs through drilling of horizontal wells. <i>Bioscience Biotechnology Research Communications</i> , 2017 , 10, 132-136	2.3	2

23	Application of extreme learning machine for prediction of aqueous solubility of carbon dioxide. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	4
22	Measurement of CO ₂ Solubility in NaCl Brine Solutions at Different Temperatures and Pressures Using the Potentiometric Titration Method. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 2042-2049	2.8	34
21	Effect of ultrasound radiation duration on emulsification and demulsification of paraffin oil and surfactant solution/brine using Hele-shaw models. <i>Ultrasonics Sonochemistry</i> , 2015 , 26, 428-436	8.9	23
20	Mineral carbonation of red gypsum via pH-swing process: Effect of CO ₂ pressure on the efficiency and products characteristics. <i>Chemical Engineering Journal</i> , 2015 , 264, 425-436	14.7	46
19	Extraction of calcium from red gypsum for calcium carbonate production. <i>Fuel Processing Technology</i> , 2015 , 130, 12-19	7.2	23
18	Study of CO ₂ Solubility in Brine under Different Temperatures and Pressures. <i>Advanced Materials Research</i> , 2015 , 1113, 440-445	0.5	1
17	The Effects Of Controlling Parameters On Polymer Enhanced Foam (PEF) Stability. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 73,	1.2	2
16	A review on carbon dioxide mineral carbonation through pH-swing process. <i>Chemical Engineering Journal</i> , 2015 , 279, 615-630	14.7	117
15	The effect of ultrasonic waves on the phase behavior of a surfactant-brine-oil system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 482, 27-33	5.1	19
14	Direct carbonation of red gypsum to produce solid carbonates. <i>Fuel Processing Technology</i> , 2014 , 126, 429-434	7.2	51
13	A technique for evaluating the oil/heavy-oil viscosity changes under ultrasound in a simulated porous medium. <i>Ultrasonics</i> , 2014 , 54, 655-62	3.5	36
12	Optimization of palm kernel shell torrefaction to produce energy densified bio-coal. <i>Energy Conversion and Management</i> , 2014 , 88, 1086-1093	10.6	83
11	The Effect of Ultrasonic Waves on Oil Viscosity. <i>Petroleum Science and Technology</i> , 2014 , 32, 2387-2395	1.4	31
10	Carbon Dioxide Mineral Carbonation Through pH-swing Process: A Review. <i>Energy Procedia</i> , 2014 , 61, 2783-2786	2.3	12
9	Life Cycle Energy Balance Analysis for Producer Gas Production from Bio-oil for Power Generation. <i>Energy Procedia</i> , 2014 , 61, 2814-2817	2.3	1
8	Calcium Carbonate Production through Direct Mineral Carbon Dioxide Sequestration. <i>Applied Mechanics and Materials</i> , 2014 , 699, 1020-1025	0.3	4
7	The origin of oil in the Cretaceous succession from the South Pars Oil Layer of the Persian Gulf. <i>International Journal of Earth Sciences</i> , 2013 , 102, 1337-1355	2.2	5
6	2013 ,		2

5	A role of ultrasonic waves on oil viscosity changes in porous media 2013 ,		4
4	Production and detailed characterization of bio-oil from fast pyrolysis of palm kernel shell. <i>Biomass and Bioenergy</i> , 2013 , 59, 316-324	5-3	95
3	The effects of polymer and surfactant on polymer enhanced foam stability 2013 ,		5
2	Investigation of the origins of rapid gas-water contact rise and excess water production in naturally fractured reservoirs: a case study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-12	1.6	
1	Investigation of lead adsorption from synthetic effluents by modified activated carbon particles using the response surface methodology. <i>Biomass Conversion and Biorefinery</i> ,1	2-3	0