

Amin Azdarpour

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1353614/amin-azdarpour-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A review on carbon dioxide mineral carbonation through pH-swing process. <i>Chemical Engineering Journal</i> , 2015 , 279, 615-630	14.7	117
57	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
56	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
55	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
54	Direct carbonation of red gypsum to produce solid carbonates. <i>Fuel Processing Technology</i> , 2014 , 126, 429-434	7.2	51
53	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
52	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
51	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
50	Ultrasound-assisted CO flooding to improve oil recovery. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 243-250	8.9	33
49	The Effect of Ultrasonic Waves on Oil Viscosity. <i>Petroleum Science and Technology</i> , 2014 , 32, 2387-2395	1.4	31
48	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
47	Extraction of calcium from red gypsum for calcium carbonate production. <i>Fuel Processing Technology</i> , 2015 , 130, 12-19	7.2	23
46	CO ₂ sequestration through direct aqueous mineral carbonation of red gypsum. <i>Petroleum</i> , 2018 , 4, 398-407	4.1	20
45	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
44	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
43	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
42	Recent applications of ultrasonic waves in improved oil recovery: A review of techniques and results. <i>Ultrasonics</i> , 2021 , 110, 106288	3.5	13

41	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
40	Carbon Dioxide Mineral Carbonation Through pH-swing Process: A Review. <i>Energy Procedia</i> , 2014 , 61, 2783-2786	2.3	12
39	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
38	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
37	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
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	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
34	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
33	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
32	The effects of polymer and surfactant on polymer enhanced foam stability 2013 ,		5
31	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
30	Application of extreme learning machine for prediction of aqueous solubility of carbon dioxide. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	4
29	A role of ultrasonic waves on oil viscosity changes in porous media 2013 ,		4
28	Calcium Carbonate Production through Direct Mineral Carbon Dioxide Sequestration. <i>Applied Mechanics and Materials</i> , 2014 , 699, 1020-1025	0.3	4
27	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
26	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
25	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
24	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

23	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
22	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
21	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
20	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
19	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
18	2013 ,		2
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	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
15	Experimental Investigation of Synergism Between Low Saline Water and Surfactant-Silica Nanoparticle in Enhanced Oil Recovery Processes 2021 ,		2
14	An Experimental Investigation of Using C19TAB and NaOH as a Novel Chemical EOR Process in a Micromodel System 2018 ,		2
13	Study of CO ₂ Solubility in Brine under Different Temperatures and Pressures. <i>Advanced Materials Research</i> , 2015 , 1113, 440-445	0.5	1
12	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
11	ANN Modeling and experimental study of the effect of various factors on solar desalination 2021 , 70, 41-57		1
10	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
9	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
8	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
7	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
6	CO ₂ Storage in Low Permeable Carbonate Reservoirs: Permeability and Interfacial Tension (IFT) Changes During CO ₂ Injection in an Iranian Carbonate Reservoir. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020 , 64, 491-504	1.3	1

5	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
4	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	
3	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	
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	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	