

Masoud Riazi

List of Publications by Year in descending order

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152
papers

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87723
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all docs

153
docs citations

153
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of silica nanoparticles on the performance of polymer solution in presence of salts in polymer flooding for heavy oil recovery. <i>Fuel</i> , 2014, 123, 123-132.	3.4	190
2	The Impacts of Aqueous Ions on Interfacial Tension and Wettability of an Asphaltenic“Acidic Crude Oil Reservoir during Smart Water Injection. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3624-3634.	1.0	183
3	Effect of Salinity, Resin, and Asphaltene on the Surface Properties of Acidic Crude Oil/Smart Water/Rock System. <i>Energy & Fuels</i> , 2014, 28, 6820-6829.	2.5	150
4	Low salinity injection into asphaltenic-carbonate oil reservoir, mechanistical study. <i>Journal of Molecular Liquids</i> , 2016, 216, 377-386.	2.3	133
5	Review on application of nanoparticles for EOR purposes: A critical review of the opportunities and challenges. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 237-246.	1.7	125
6	Pore-Scale Monitoring of Wettability Alteration by Silica Nanoparticles During Polymer Flooding to Heavy Oil in a Five-Spot Glass Micromodel. <i>Transport in Porous Media</i> , 2011, 87, 653-664.	1.2	124
7	Synergy effects of ions, resin, and asphaltene on interfacial tension of acidic crude oil and low“high salinity brines. <i>Fuel</i> , 2016, 165, 75-85.	3.4	123
8	Experimental Study of Pore-Scale Mechanisms of Carbonated Water Injection. <i>Transport in Porous Media</i> , 2011, 86, 73-86.	1.2	116
9	Experimental investigation of interfacial properties in the EOR mechanisms by the novel synthesized Fe ₃ O ₄ @Chitosan nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 544, 15-27.	2.3	105
10	Coreflooding Studies to Investigate the Potential of Carbonated Water Injection as an Injection Strategy for Improved Oil Recovery and CO ₂ Storage. <i>Transport in Porous Media</i> , 2012, 91, 101-121.	1.2	93
11	Carbonated water injection (CWI)“A productive way of using CO ₂ for oil recovery and CO ₂ storage. <i>Energy Procedia</i> , 2011, 4, 2192-2199.	1.8	81
12	Visualization of asphaltene precipitation and deposition in a uniformly patterned glass micromodel. <i>Fuel</i> , 2016, 182, 613-622.	3.4	81
13	Potential effects of metal oxide/SiO ₂ nanocomposites in EOR processes at different pressures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 372-384.	2.3	77
14	CuO/TiO ₂ /PAM as a Novel Introduced Hybrid Agent for Water“Oil Interfacial Tension and Wettability Optimization in Chemical Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2019, 33, 10547-10560.	2.5	75
15	Mechanistical study of effect of ions in smart water injection into carbonate oil reservoir. <i>Chemical Engineering Research and Design</i> , 2017, 105, 361-372.	2.7	69
16	Integrating surfactant, alkali and nano-fluid flooding for enhanced oil recovery: A mechanistic experimental study of novel chemical combinations. <i>Journal of Molecular Liquids</i> , 2020, 308, 113106.	2.3	68
17	Safe storage of Co ₂ together with improved oil recovery by Co ₂ -enriched water injection. <i>Chemical Engineering Research and Design</i> , 2011, 89, 1865-1872.	2.7	64
18	Impact of Fe ₃ O ₄ nanoparticles on asphaltene precipitation during CO ₂ injection. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 22, 227-234.	2.1	63

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19	The influence of spreading coefficient on carbonated water alternating gas injection in a heavy crude oil. Fuel, 2016, 178, 1-9.	3.4	62
20	New insight into foam stability enhancement mechanism, using polyvinyl alcohol (PVA) and nanoparticles. Journal of Molecular Liquids, 2020, 307, 112755.	2.3	58
21	Wettability modification of oil-wet carbonate reservoirs using silica-based nanofluid: An experimental approach. Journal of Petroleum Science and Engineering, 2019, 178, 700-710.	2.1	56
22	Investigation of oil recovery and CO ₂ storage during secondary and tertiary injection of carbonated water in an Iranian carbonate oil reservoir. Journal of Petroleum Science and Engineering, 2016, 137, 134-143.	2.1	55
23	A novel foam formulation by Al ₂ O ₃ /SiO ₂ nanoparticles for EOR applications: A mechanistic study. Journal of Molecular Liquids, 2020, 304, 112730.	2.3	55
24	Experimental study of asphaltene precipitation prediction during gas injection to oil reservoirs by interfacial tension measurement. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 466, 138-146.	2.3	53
25	Experimental investigation of stability of water in oil emulsions at reservoir conditions: Effect of ion type, ion concentration, and system pressure. Fuel, 2019, 243, 15-27.	3.4	52
26	Theoretical investigation of pore-scale mechanisms of carbonated water injection. Journal of Petroleum Science and Engineering, 2011, 75, 312-326.	2.1	50
27	Investigating the Effects of Temperature, Pressure, and Paraffin Groups on the N ₂ Miscibility in Hydrocarbon Liquids using the Interfacial Tension Measurement Method. Industrial & Engineering Chemistry Research, 2013, 52, 9851-9857.	1.8	50
28	Viscous fingering and its effect on areal sweep efficiency during waterflooding: an experimental study. Petroleum Science, 2019, 16, 105-116.	2.4	49
29	Experimental investigation of a novel foam formulation to improve foam quality. Journal of Molecular Liquids, 2016, 224, 1311-1318.	2.3	48
30	Experimental investigation of the influence of supercritical carbon dioxide and supercritical nitrogen injection on tertiary live-oil recovery. Journal of Supercritical Fluids, 2016, 117, 260-269.	1.6	47
31	Investigation of effects of salinity, temperature, pressure, and crude oil type on the dynamic interfacial tensions. Chemical Engineering Research and Design, 2016, 115, 53-65.	2.7	46
32	Mechanistic study on the dynamic interfacial tension of crude oil + water systems: Experimental and modeling approaches. Journal of Industrial and Engineering Chemistry, 2016, 35, 408-416.	2.9	46
33	Experimental investigation of the inhibitory behavior of metal oxides nanoparticles on asphaltene precipitation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 99-110.	2.3	45
34	A new insight into Fe ₃ O ₄ -based nanocomposites for adsorption of asphaltene at the oil/water interface: An experimental interfacial study. Journal of Petroleum Science and Engineering, 2019, 177, 786-797.	2.1	44
35	A mechanistic experimental study on the combined effect of Mg ²⁺ , Ca ²⁺ , and SO ₄ ²⁻ ions and a cationic surfactant in improving the surface properties of oil/water/rock system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124327.	2.3	43
36	Visualisation of mechanisms involved in CO ₂ injection and storage in hydrocarbon reservoirs and water-bearing aquifers. Chemical Engineering Research and Design, 2011, 89, 1827-1840.	2.7	42

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37	Experimental investigation into Fe ₃ O ₄ /SiO ₂ nanoparticle performance and comparison with other nanofluids in enhanced oil recovery. <i>Petroleum Science</i> , 2019, 16, 578-590.	2.4	40
38	Biosorption of Th(IV) in a fixed-bed column by Ca-pretreated <i>Cystoseira indica</i> . <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1890-1898.	3.3	39
39	Mutual Effects of Fe ₃ O ₄ /Chitosan Nanocomposite and Different Ions in Water for Stability of Water-in-Oil (w/o) Emulsions at Low to High Salinities. <i>Energy & Fuels</i> , 2018, 32, 12101-12117.	2.5	39
40	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactant-Nanoparticle-Brine System Interaction. <i>ACS Omega</i> , 2019, 4, 16171-16180.	1.6	39
41	Improving the stability of nitrogen foams using silica nanoparticles coated with polyethylene glycol. <i>Journal of Molecular Liquids</i> , 2020, 300, 112256.	2.3	38
42	Oil Recovery Improvement Using CO ₂ -Enriched Water Injection. , 2009, , .		37
43	Formation and stability of W/O emulsions in presence of asphaltene at reservoir thermodynamic conditions. <i>Journal of Molecular Liquids</i> , 2020, 299, 112125.	2.3	36
44	Experimental investigation on the effect of ultrasonic waves on reducing asphaltene deposition and improving oil recovery under temperature control. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 204-212.	3.8	35
45	Effect of CO ₂ and natural surfactant of crude oil on the dynamic interfacial tensions during carbonated water flooding: Experimental and modeling investigation. <i>Journal of Petroleum Science and Engineering</i> , 2017, 159, 58-67.	2.1	34
46	Tertiary Oil Recovery and CO ₂ Sequestration by Carbonated Water Injection (CWI). , 2010, , .		33
47	The stability of triphasic oil-in-water Pickering emulsions can be improved by physical modification of hordein- and secalin-based submicron particles. <i>Food Hydrocolloids</i> , 2019, 89, 649-660.	5.6	33
48	Adsorption efficiency of glycyrrhiza glabra root toward heavy metal ions: Experimental and molecular dynamics simulation study on removing copper ions from wastewater. <i>Separation and Purification Technology</i> , 2021, 275, 119215.	3.9	33
49	Experimental investigation of dynamic swelling and Bond number of crude oil during carbonated water flooding; Effect of temperature and pressure. <i>Fuel</i> , 2018, 214, 135-143.	3.4	31
50	A microfluidic study to investigate the effect of magnetic iron core-carbon shell nanoparticles on displacement mechanisms of crude oil for chemical enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106589.	2.1	30
51	Modified shape factor incorporating gravity effects for scaling countercurrent imbibition. <i>Journal of Petroleum Science and Engineering</i> , 2017, 150, 108-114.	2.1	29
52	A new numerical approach for investigation of the effects of dynamic capillary pressure in imbibition process. <i>Journal of Petroleum Science and Engineering</i> , 2018, 162, 44-54.	2.1	29
53	Investigating the Effect of Salinity on the Behavior of Asphaltene Precipitation in the Presence of Emulsified Water. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 14362-14368.	1.8	28
54	Precipitation and deposition of asphaltene in porous media: Impact of various connate water types. <i>Journal of Molecular Liquids</i> , 2018, 258, 124-132.	2.3	28

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55	Permeability prediction based on reservoir zonation by a hybrid neural genetic algorithm in one of the Iranian heterogeneous oil reservoirs. Journal of Petroleum Science and Engineering, 2011, 78, 497-504.	2.1	27
56	Effect of CO ₂ and crude oil type on the dynamic interfacial tension of crude oil/carbonated water at different operational conditions. Journal of Petroleum Science and Engineering, 2018, 170, 576-581.	2.1	27
57	Impact of asphaltene and normal paraffins on methane-synthetic oil interfacial tension: An experimental study. Journal of Natural Gas Science and Engineering, 2015, 26, 538-548.	2.1	26
58	Experimental investigation of miscibility conditions of dead and live asphaltenic crude oil-CO ₂ systems. Journal of Petroleum Exploration and Production, 2017, 7, 597-609.	1.2	26
59	A pore-scale study on improving CTAB foam stability in heavy crude oil-water system using TiO ₂ nanoparticles. Journal of Petroleum Science and Engineering, 2019, 183, 106411.	2.1	25
60	Enhancing the spontaneous imbibition rate of water in oil-wet dolomite rocks through boosting a wettability alteration process using carbonated smart brines. Petroleum Science, 2019, 16, 1361-1373.	2.4	24
61	Experimental investigation of the impact of rock dissolution on carbonate rock properties in the presence of carbonated water. Environmental Earth Sciences, 2016, 75, 1.	1.3	23
62	Utilization of Co ₃ O ₄ nanoparticles for reducing precipitation of asphaltene during CO ₂ injection. Journal of Natural Gas Science and Engineering, 2016, 31, 39-47.	2.1	23
63	Experimental and theoretical investigation of CO ₂ mass transfer enhancement of silica nanoparticles in water. Petroleum Research, 2018, 3, 370-380.	1.6	23
64	Impact of monovalent and divalent cationic and anionic ions on wettability alteration of dolomite rocks. Journal of Molecular Liquids, 2019, 281, 9-19.	2.3	23
65	Cardanol/SiO ₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part I: Novel Nanocomposite Design Based on SiO ₂ -Cardanol Interactions. Energy & Fuels, 2020, 34, 7048-7057.	2.5	22
66	Rock Porous Structure Characterization: A Critical Assessment of Various State-of-the-Art Techniques. Transport in Porous Media, 2021, 136, 431-456.	1.2	22
67	Improvement of Steam Injection Processes Through Nanotechnology: An Approach through in Situ Upgrading and Foam Injection. Energies, 2019, 12, 4633.	1.6	21
68	Batch and continuous fixed-bed column biosorption of thorium(IV) from aqueous solutions: equilibrium and dynamic modeling. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 493-503.	0.7	20
69	Smart Technique in Water Shutoff Treatment for a Layered Reservoir through an Engineered Injection/Production Scheme. Industrial & Engineering Chemistry Research, 2015, 54, 11236-11246.	1.8	20
70	Functionalization of γ -Alumina and Magnesia Nanoparticles with a Fluorocarbon Surfactant to Promote Ultra-Gas-Wet Surfaces: Experimental and Theoretical Approach. ACS Applied Materials & Interfaces, 2020, 12, 13510-13520.	4.0	20
71	Determination of dew point pressure in gas condensate reservoirs based on a hybrid neural genetic algorithm. Fluid Phase Equilibria, 2015, 387, 38-49.	1.4	19
72	Visualization study of the effects of oil type and model geometry on oil recovery under ultrasonic irradiation in a glass micro-model. Fuel, 2019, 239, 709-716.	3.4	19

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73	Improving the Efficiency of Oil and Gas Wells Complicated by the Formation of Asphaltene-Resin-Paraffin Deposits. <i>Energies</i> , 2021, 14, 6673.	1.6	19
74	Experimental investigation of CO ₂ huff and puff in a matrix-fracture system. <i>Fuel</i> , 2015, 158, 105-112.	3.4	18
75	Asphaltene Precipitation during Injection of CO ₂ Gas into a Synthetic Oil in the Presence of Fe ₃ O ₄ and TiO ₂ Nanoparticles. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 1266-1274.	1.0	18
76	A new insight into pore body filling mechanism during waterflooding in a glass micro-model. <i>Chemical Engineering Research and Design</i> , 2019, 151, 100-107.	2.7	18
77	Investigating the Performance of Carboxylate-Alumoxane Nanoparticles as a Novel Chemically Functionalized Inhibitor on Asphaltene Precipitation. <i>ACS Omega</i> , 2020, 5, 16149-16164.	1.6	18
78	Experimental investigation of ultrasonic treatment effectiveness on pore structure. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 305-314.	3.8	17
79	Phenomenological study of the micro- and macroscopic mechanisms during polymer flooding with SiO ₂ nanoparticles. <i>Journal of Petroleum Science and Engineering</i> , 2021, 198, 108135.	2.1	17
80	Scaling equation for counter current imbibition in the presence of gravity forces considering initial water saturation and SCAL properties. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 934-947.	2.1	15
81	Chemical study of asphaltene inhibitors effects on asphaltene precipitation of an Iranian oil field. <i>Oil and Gas Science and Technology</i> , 2020, 75, 6.	1.4	15
82	How do metal oxide nanoparticles influence on interfacial tension of asphaltic oil-Supercritical CO ₂ systems?. <i>Journal of Supercritical Fluids</i> , 2018, 135, 1-7.	1.6	14
83	A comparison of methods for denoising of well test pressure data. <i>Journal of Petroleum Exploration and Production</i> , 2018, 8, 1519-1534.	1.2	14
84	Study of Asphaltene Precipitation during CO ₂ Injection into Oil Reservoirs in the Presence of Iron Oxide Nanoparticles by Interfacial Tension and Bond Number Measurements. <i>ACS Omega</i> , 2020, 5, 7877-7884.	1.6	14
85	On the importance of gel rigidity and coverage in a smart water shutoff treatment in gas wells. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 808-818.	2.1	13
86	Pore-scale investigation of Al ₂ O ₃ nanoparticles for improving smart water injection: effect of ion type, ion and nanoparticle concentration, and temperature. <i>Materials Research Express</i> , 2019, 6, 085505.	0.8	13
87	Orthogonal Collocation Method for Solving the Diffusivity Equation: Application on Dual Porosity Reservoirs With Constant Pressure Outer Boundary. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019, 141, .	1.4	13
88	The impact of connate water saturation and salinity on oil recovery and CO ₂ storage capacity during carbonated water injection in carbonate rock. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1699-1707.	1.7	13
89	Catalytic Conversion of n-C ₇ Asphaltenes and Resins II into Hydrogen Using CeO ₂ -Based Nanocatalysts. <i>Nanomaterials</i> , 2021, 11, 1301.	1.9	13
90	Cardanol /SiO ₂ Nanocomposites for Inhibition of Formation Damage by Asphaltene Precipitation/Deposition in Light Crude Oil Reservoirs. Part II: Nanocomposite Evaluation and Coreflooding Test. <i>ACS Omega</i> , 2020, 5, 27800-27810.	1.6	12

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91	Mini Review of Miscible Condition Evaluation and Experimental Methods of Gas Miscible Injection in Conventional and Fractured Reservoirs. <i>Energy & Fuels</i> , 2021, 35, 7340-7363.	2.5	12
92	Development and characterization of medium and high internal phase novel multiple Pickering emulsions stabilized by hordein nanoparticles. <i>Food Chemistry</i> , 2022, 372, 131354.	4.2	12
93	CO ₂ -saturated brine injection into heavy oil carbonate reservoirs: Investigation of enhanced oil recovery and carbon storage. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107663.	2.1	11
94	Contribution of water-in-oil emulsion formation and pressure fluctuations to low salinity waterflooding of asphaltic oils: A pore-scale perspective. <i>Journal of Petroleum Science and Engineering</i> , 2021, 203, 108597.	2.1	11
95	Discussion on similarity of recovery curves in scaling of imbibition process in fractured porous media. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 617-629.	2.1	10
96	Experimental and CFD studies on determination of injection and production wells location considering reservoir heterogeneity and capillary number. <i>Oil and Gas Science and Technology</i> , 2019, 74, 4.	1.4	10
97	Impact of solutal Marangoni convection on oil recovery during chemical flooding. <i>Petroleum Science</i> , 2020, 17, 1298-1317.	2.4	10
98	Removal of asphaltene deposition in porous media using emulsified solvents - A visual study. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107207.	2.1	9
99	Gradual or Instantaneous Wettability Alteration During Simulation of Low-Salinity Water Flooding in Carbonate Reservoirs. <i>Natural Resources Research</i> , 2021, 30, 495-517.	2.2	9
100	Experimental investigation of different brines imbibition influences on co- and counter-current oil flows in carbonate reservoirs. <i>Chinese Journal of Chemical Engineering</i> , 2021, 33, 17-29.	1.7	9
101	Effect of pressure on the optimal salinity point of the aqueous phase in emulsion formation. <i>Journal of Molecular Liquids</i> , 2022, 362, 119783.	2.3	9
102	Experimental investigation of secondary and tertiary oil recovery from fractured porous media. <i>Journal of Petroleum Exploration and Production</i> , 2013, 3, 179-188.	1.2	8
103	An experimental study toward possible benefits of water in oil emulsification in heavy oil reservoirs: comparing role of ions and nanoparticles. <i>Materials Research Express</i> , 2019, 6, 085702.	0.8	8
104	Optimization of Fe ₃ O ₄ /Chitosan nanocomposite concentration on the formation and stability of W/O emulsion. <i>Materials Research Express</i> , 2019, 6, 035031.	0.8	8
105	Impact of pertinent parameters on foam behavior in the entrance region of porous media: mathematical modeling. <i>Petroleum Science</i> , 2020, 17, 1669-1682.	2.4	8
106	A novel design of silica-based completion nanofluids for heavy oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107483.	2.1	8
107	Prediction of oil recovery in naturally fractured reservoirs subjected to reinfiltration during gravity drainage using a new scaling equation. <i>Petroleum Exploration and Development</i> , 2020, 47, 1307-1315.	3.0	8
108	A conceptual modeling to predict asphaltene molecules fate within an annulus control volume. <i>Journal of Molecular Liquids</i> , 2019, 292, 111414.	2.3	7

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109	Impact of aqueous phase in emulsified form on distribution and instability of asphaltene molecules. Journal of Molecular Liquids, 2019, 295, 111688.	2.3	7
110	Impact of different injection sites on the water and oil exchange in a fractured porous medium for different polymers: A visual study. Journal of Petroleum Science and Engineering, 2019, 174, 948-958.	2.1	7
111	In-situ petroleum hydrocarbons contaminated soils remediation by polymer enhanced surfactant flushing: Mechanistic investigation. Chemical Engineering Research and Design, 2022, 161, 758-770.	2.7	7
112	Visualization experiments on the impact of surfactant and nanoparticle on EOR potential of foam injection. , 2018, , .		6
113	On the impact of Co ₃ O ₄ nanoparticles on interaction of heavy oil and brine mixtures. Journal of Petroleum Science and Engineering, 2018, 171, 680-686.	2.1	6
114	A new formulation for non-equilibrium capillarity effect using multi-gene genetic programming (MGGP): accounting for fluid and porous media properties. Engineering With Computers, 2022, 38, 1697-1709.	3.5	6
115	Asphaltene stability during heptane injection in a glass micromodel in the presence of Co ₃ O ₄ nanoparticles. Journal of Petroleum Science and Engineering, 2021, 205, 108839.	2.1	6
116	Direct Observation of CO ₂ Transport and Oil Displacement Mechanisms in CO ₂ /Water/Oil Systems. , 2009, , .		6
117	Experimental study on pore-scale mechanisms of ultrasonic-assisted heavy oil recovery with solvent effects. Journal of Petroleum Science and Engineering, 2022, 214, 110553.	2.1	6
118	Enhanced Oil Recovery and CO ₂ Storage by Carbonated Water Injection. , 2009, , .		5
119	Experimental Investigation of the Effect of Asphaltene and Normal Paraffin on CO ₂ -Oil Interfacial Tension. Journal of Dispersion Science and Technology, 2014, , 141217111959003.	1.3	5
120	Performance of polyacrylamide/Cr(III) gel polymer in oil recovery from heterogeneous porous media: An experimental study. Korean Journal of Chemical Engineering, 2016, 33, 3350-3358.	1.2	5
121	Comparative study of oil spreading characteristics for water and carbonated water systems using live and dead oils. Journal of Petroleum Science and Engineering, 2018, 171, 242-252.	2.1	5
122	Activating solution gas drive as an extra oil production mechanism after carbonated water injection. Chinese Journal of Chemical Engineering, 2020, 28, 2938-2945.	1.7	5
123	Stability of w/o emulsions for MgSO_4 and Na_2CO_3 solutions under dynamic and static conditions. Canadian Journal of Chemical Engineering, 2021, 99, 971-985.	0.9	5
124	Asphaltene instability in the presence of emulsified aqueous phase. Fuel, 2021, 305, 121528.	3.4	5
125	Experimental study of <i>in-situ</i> W/O emulsification during the injection of MgSO_4 and Na_2CO_3 solutions in a glass micromodel. Oil and Gas Science and Technology, 2020, 75, 87.	1.4	5
126	Smart water injection. , 2022, , 313-356.		5

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127	A review on the application of carbonated water injection for EOR purposes: Opportunities and challenges. Journal of Petroleum Science and Engineering, 2022, 214, 110481.	2.1	5
128	Improvements in scaling of counter-current imbibition recovery curves using a shape factor including permeability anisotropy. Journal of Geophysics and Engineering, 2018, 15, 135-141.	0.7	4
129	Effect of Formed Water-in-Oil Emulsions by Cobalt Oxide Nanoparticles on the Oil Recovery, an Experimental Approach. , 2018, , .		4
130	Experimental Study of Gravity Drainage During Gas Injection in Carbonate Rocks. , 2006, , .		3
131	Enhanced Oil Recovery and CO2 Storage by Carbonated Water Injection. , 0, , .		3
132	A New Approach for Evaluating Migration of Nano Particles in Porous Media. Journal of Dispersion Science and Technology, 0, , .	1.3	3
133	A multiscale study on the effects of dynamic capillary pressure in two-phase flow in porous media. Korean Journal of Chemical Engineering, 2020, 37, 2124-2135.	1.2	3
134	New insight on dynamic behavior of swelling and bond number of light and heavy crude oil during carbonated water flooding. European Physical Journal Plus, 2020, 135, 1.	1.2	3
135	Thermodynamic prediction of interfacial tension of water/oil system with the presence surfactants and salt. Modeling Earth Systems and Environment, 2022, 8, 2193-2199.	1.9	3
136	A simulation investigation of performance of polymer injection in hydraulically fractured heterogeneous reservoirs. Journal of Petroleum Exploration and Production, 2017, 7, 813-820.	1.2	2
137	Modeling the density of acid gases at extensive ranges of pressure and temperature conditions. Journal of Petroleum Science and Engineering, 2021, 207, 109063.	2.1	2
138	Does the use of PAM polymer in nanoparticle-surfactant stabilized N2 foam enhanced the stability in EOR?. , 2018, , .		2
139	Investment Opportunities in Iranian EOR Projects. , 2018, , .		2
140	Impacts of oil components on the stability of aqueous bulk CO2 foams: An experimental study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129328.	2.3	2
141	New Insights Into CO2 Injection and Storage in Saline Aquifers. , 2012, , .		1
142	NUMERICAL SIMULATION OF COUNTERCURRENT SPONTANEOUS IMBIBITION OF CARBONATED WATER IN POROUS MEDIA. Journal of Porous Media, 2016, 19, 635-647.	1.0	1
143	Sensitivity Analysis on Pertinent Parameters on Mixing of Cushion and Working Gas During UGS in a Non-hydrocarbon Reservoir. , 2017, , .		1
144	Experimental Investigation of the Effect of Alkaline and Water Injection on in Situ Formation of W/O Emulsion in Porous Medium. , 2018, , .		1

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145	A Discussion About the Effect of Considering the Dynamic Capillary Forces on Dissimilarity of Imbibition Recovery Curves. , 2018, , .		1
146	Influences of Asphaltene Deposition on Formation Damage and Gas Coning. Biomedical Journal of Scientific & Technical Research, 2018, 3, .	0.0	1
147	Development of Acid Nanocapsules with Tailored Breaking Reservoir Temperature for the Removal of Formation Damage by Fines Migration. Energy & Fuels, 2022, 36, 4792-4798.	2.5	1
148	Estimating the minimum miscibility pressure (MMP) of methane-live oil using the slim tube test, by modified oil recovery factor (MORF) and break-over pressure (MBOP) criteria. Petroleum Science and Technology, 0, , 1-18.	0.7	1
149	Experimental investigation of the controversial effects of a cationic surfactant with brine on spontaneous imbibition of an asphaltenic crude oil. Journal of Molecular Liquids, 2022, 362, 119687.	2.3	1
150	Performance of Polymer Injection in Hydraulically Fractured Heterogeneous Reservoirs - A Simulation Approach. , 2016, , .		0
151	Comparison of Formation and Stability of Emulsions in the Injection of Smart Water and Nanofluid into Heavy Oil Reservoirs. , 2018, , .		0
152	Experimental investigation of interfacial tension and oil swelling for asphaltenic crude oil/carbonated water system. Egyptian Journal of Petroleum, 2022, 31, 51-58.	1.2	0