

Masoud Riazi

List of Publications by Year in descending order

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152
papers

4,438
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87723

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153
times ranked

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#	ARTICLE	IF	CITATIONS
1	A new formulation for non-equilibrium capillarity effect using multi-gene genetic programming (MGGP): accounting for fluid and porous media properties. <i>Engineering With Computers</i> , 2022, 38, 1697-1709.	3.5	6
2	Thermodynamic prediction of interfacial tension of water/oil system with the presence surfactants and salt. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 2193-2199.	1.9	3
3	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
4	Smart water injection. , 2022, , 313-356.		5
5	In-situ petroleum hydrocarbons contaminated soils remediation by polymer enhanced surfactant flushing: Mechanistic investigation. <i>Chemical Engineering Research and Design</i> , 2022, 161, 758-770.	2.7	7
6	A review on the application of carbonated water injection for EOR purposes: Opportunities and challenges. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110481.	2.1	5
7	Experimental investigation of interfacial tension and oil swelling for asphaltenic crude oil/carbonated water system. <i>Egyptian Journal of Petroleum</i> , 2022, 31, 51-58.	1.2	0
8	Development of Acid Nanocapsules with Tailored Breaking Reservoir Temperature for the Removal of Formation Damage by Fines Migration. <i>Energy & Fuels</i> , 2022, 36, 4792-4798.	2.5	1
9	Experimental study on pore-scale mechanisms of ultrasonic-assisted heavy oil recovery with solvent effects. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110553.	2.1	6
10	Impacts of oil components on the stability of aqueous bulk CO ₂ foams: An experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129328.	2.3	2
11	Experimental investigation of the controversial effects of a cationic surfactant with brine on spontaneous imbibition of an asphaltenic crude oil. <i>Journal of Molecular Liquids</i> , 2022, 362, 119687.	2.3	1
12	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
13	Stability of w/o emulsions for $MgSO_4$ and Na_2CO_3 solutions under dynamic and static conditions. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 971-985.	0.9	5
14	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
15	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
16	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
17	Rock Porous Structure Characterization: A Critical Assessment of Various State-of-the-Art Techniques. <i>Transport in Porous Media</i> , 2021, 136, 431-456.	1.2	22
18	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

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19	Catalytic Conversion of n-C7 Asphaltenes and Resins II into Hydrogen Using CeO ₂ -Based Nanocatalysts. <i>Nanomaterials</i> , 2021, 11, 1301.	1.9	13
20	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
21	Asphaltene stability during heptane injection in a glass micromodel in the presence of Co ₃ O ₄ nanoparticles. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108839.	2.1	6
22	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
23	Asphaltene instability in the presence of emulsified aqueous phase. <i>Fuel</i> , 2021, 305, 121528.	3.4	5
24	Modeling the density of acid gases at extensive ranges of pressure and temperature conditions. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109063.	2.1	2
25	Improving the Efficiency of Oil and Gas Wells Complicated by the Formation of Asphalt Resin Paraffin Deposits. <i>Energies</i> , 2021, 14, 6673.	1.6	19
26	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
27	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
28	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 587, 124327.	2.3	43
29	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
30	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
31	Activating solution gas drive as an extra oil production mechanism after carbonated water injection. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2938-2945.	1.7	5
32	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
33	A multiscale study on the effects of dynamic capillary pressure in two-phase flow in porous media. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2124-2135.	1.2	3
34	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. <i>Energy & Fuels</i> , 2020, 34, 7048-7057.	2.5	22
35	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
36	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

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37	Investigating the Performance of Carboxylate-Alumoxane Nanoparticles as a Novel Chemically Functionalized Inhibitor on Asphaltene Precipitation. ACS Omega, 2020, 5, 16149-16164.	1.6	18
38	New insight into foam stability enhancement mechanism, using polyvinyl alcohol (PVA) and nanoparticles. Journal of Molecular Liquids, 2020, 307, 112755.	2.3	58
39	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
40	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
41	Chemical study of asphaltene inhibitors effects on asphaltene precipitation of an Iranian oil field. Oil and Gas Science and Technology, 2020, 75, 6.	1.4	15
42	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
43	Integrating surfactant, alkali and nano-fluid flooding for enhanced oil recovery: A mechanistic experimental study of novel chemical combinations. Journal of Molecular Liquids, 2020, 308, 113106.	2.3	68
44	Removal of asphaltene deposition in porous media using emulsified solvents - A visual study. Journal of Petroleum Science and Engineering, 2020, 191, 107207.	2.1	9
45	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. ACS Omega, 2020, 5, 7877-7884.	1.6	14
46	Impact of solutal Marangoni convection on oil recovery during chemical flooding. Petroleum Science, 2020, 17, 1298-1317.	2.4	10
47	Prediction of oil recovery in naturally fractured reservoirs subjected to reinfiltration during gravity drainage using a new scaling equation. Petroleum Exploration and Development, 2020, 47, 1307-1315.	3.0	8
48	Experimental study of <i>in-situ</i> W/O emulsification during the injection of MgSO ₄ and Na ₂ CO ₃ solutions in a glass micromodel. Oil and Gas Science and Technology, 2020, 75, 87.	1.4	5
49	Review on application of nanoparticles for EOR purposes: A critical review of the opportunities and challenges. Chinese Journal of Chemical Engineering, 2019, 27, 237-246.	1.7	125
50	A conceptual modeling to predict asphaltene molecules fate within an annulus control volume. Journal of Molecular Liquids, 2019, 292, 111414.	2.3	7
51	Impact of aqueous phase in emulsified form on distribution and instability of asphaltene molecules. Journal of Molecular Liquids, 2019, 295, 111688.	2.3	7
52	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
53	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
54	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactant-Nanoparticle-Brine System Interaction. ACS Omega, 2019, 4, 16171-16180.	1.6	39

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55	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
56	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
57	Experimental investigation of stability of water in oil emulsions at reservoir conditions: Effect of ion type, ion concentration, and system pressure. <i>Fuel</i> , 2019, 243, 15-27.	3.4	52
58	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
59	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
60	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
61	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
62	Wettability modification of oil-wet carbonate reservoirs using silica-based nanofluid: An experimental approach. <i>Journal of Petroleum Science and Engineering</i> , 2019, 178, 700-710.	2.1	56
63	A new insight into Fe ₃ O ₄ -based nanocomposites for adsorption of asphaltene at the oil/water interface: An experimental interfacial study. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 786-797.	2.1	44
64	Impact of monovalent and divalent cationic and anionic ions on wettability alteration of dolomite rocks. <i>Journal of Molecular Liquids</i> , 2019, 281, 9-19.	2.3	23
65	Improvement of Steam Injection Processes Through Nanotechnology: An Approach through in Situ Upgrading and Foam Injection. <i>Energies</i> , 2019, 12, 4633.	1.6	21
66	Impact of different injection sites on the water and oil exchange in a fractured porous medium for different polymers: A visual study. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 948-958.	2.1	7
67	Visualization study of the effects of oil type and model geometry on oil recovery under ultrasonic irradiation in a glass micro-model. <i>Fuel</i> , 2019, 239, 709-716.	3.4	19
68	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
69	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
70	Viscous fingering and its effect on areal sweep efficiency during waterflooding: an experimental study. <i>Petroleum Science</i> , 2019, 16, 105-116.	2.4	49
71	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
72	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

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73	Experimental investigation of ultrasonic treatment effectiveness on pore structure. Ultrasonics Sonochemistry, 2019, 51, 305-314.	3.8	17
74	Precipitation and deposition of asphaltene in porous media: Impact of various connate water types. Journal of Molecular Liquids, 2018, 258, 124-132.	2.3	28
75	Experimental investigation on the effect of ultrasonic waves on reducing asphaltene deposition and improving oil recovery under temperature control. Ultrasonics Sonochemistry, 2018, 45, 204-212.	3.8	35
76	Asphaltene Precipitation during Injection of CO ₂ Gas into a Synthetic Oil in the Presence of Fe ₃ O ₄ and TiO ₂ Nanoparticles. Journal of Chemical & Engineering Data, 2018, 63, 1266-1274.	1.0	18
77	Experimental investigation of interfacial properties in the EOR mechanisms by the novel synthesized Fe ₃ O ₄ @Chitosan nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 544, 15-27.	2.3	105
78	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
79	A new numerical approach for investigation of the effects of dynamic capillary pressure in imbibition process. Journal of Petroleum Science and Engineering, 2018, 162, 44-54.	2.1	29
80	How do metal oxide nanoparticles influence on interfacial tension of asphaltic oil-Supercritical CO ₂ systems?. Journal of Supercritical Fluids, 2018, 135, 1-7.	1.6	14
81	Experimental investigation of dynamic swelling and Bond number of crude oil during carbonated water flooding; Effect of temperature and pressure. Fuel, 2018, 214, 135-143.	3.4	31
82	Visualization experiments on the impact of surfactant and nanoparticle on EOR potential of foam injection. , 2018, , .		6
83	Potential effects of metal oxide/SiO ₂ nanocomposites in EOR processes at different pressures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 559, 372-384.	2.3	77
84	Experimental and theoretical investigation of CO ₂ mass transfer enhancement of silica nanoparticles in water. Petroleum Research, 2018, 3, 370-380.	1.6	23
85	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-High Salinities. Energy & Fuels, 2018, 32, 12101-12117.	2.5	39
86	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
87	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
88	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
89	A comparison of methods for denoising of well test pressure data. Journal of Petroleum Exploration and Production, 2018, 8, 1519-1534.	1.2	14
90	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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91	A Discussion About the Effect of Considering the Dynamic Capillary Forces on Dissimilarity of Imbibition Recovery Curves. , 2018, , .		1
92	Does the use of PAM polymer in nanoparticle-surfactant stabilized N2 foam enhanced the stability in EOR?. , 2018, , .		2
93	Investment Opportunities in Iranian EOR Projects. , 2018, , .		2
94	Effect of Formed Water-in-Oil Emulsions by Cobalt Oxide Nanoparticles on the Oil Recovery, an Experimental Approach. , 2018, , .		4
95	Comparison of Formation and Stability of Emulsions in the Injection of Smart Water and Nanofluid into Heavy Oil Reservoirs. , 2018, , .		0
96	Influences of Asphaltene Deposition on Formation Damage and Gas Coning. Biomedical Journal of Scientific & Technical Research, 2018, 3, .	0.0	1
97	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
98	Modified shape factor incorporating gravity effects for scaling countercurrent imbibition. Journal of Petroleum Science and Engineering, 2017, 150, 108-114.	2.1	29
99	Mechanical study of effect of ions in smart water injection into carbonate oil reservoir. Chemical Engineering Research and Design, 2017, 105, 361-372.	2.7	69
100	Effect of CO2 and natural surfactant of crude oil on the dynamic interfacial tensions during carbonated water flooding: Experimental and modeling investigation. Journal of Petroleum Science and Engineering, 2017, 159, 58-67.	2.1	34
101	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
102	Investigating the Effect of Salinity on the Behavior of Asphaltene Precipitation in the Presence of Emulsified Water. Industrial & Engineering Chemistry Research, 2017, 56, 14362-14368.	1.8	28
103	Experimental investigation of miscibility conditions of dead and live asphaltenic crude oil"CO2 systems. Journal of Petroleum Exploration and Production, 2017, 7, 597-609.	1.2	26
104	Sensitivity Analysis on Pertinent Parameters on Mixing of Cushion and Working Gas During UGS in a Non-hydrocarbon Reservoir. , 2017, , .		1
105	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
106	On the importance of gel rigidity and coverage in a smart water shutoff treatment in gas wells. Journal of Natural Gas Science and Engineering, 2016, 31, 808-818.	2.1	13
107	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
108	Scaling equation for counter current imbibition in the presence of gravity forces considering initial water saturation and SCAL properties. Journal of Natural Gas Science and Engineering, 2016, 34, 934-947.	2.1	15

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109	Investigation of effects of salinity, temperature, pressure, and crude oil type on the dynamic interfacial tensions. <i>Chemical Engineering Research and Design</i> , 2016, 115, 53-65.	2.7	46
110	Performance of polyacrylamide/Cr(III) gel polymer in oil recovery from heterogeneous porous media: An experimental study. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3350-3358.	1.2	5
111	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
112	Experimental investigation of a novel foam formulation to improve foam quality. <i>Journal of Molecular Liquids</i> , 2016, 224, 1311-1318.	2.3	48
113	Visualization of asphaltene precipitation and deposition in a uniformly patterned glass micromodel. <i>Fuel</i> , 2016, 182, 613-622.	3.4	81
114	Investigation of oil recovery and CO ₂ storage during secondary and tertiary injection of carbonated water in an Iranian carbonate oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2016, 137, 134-143.	2.1	55
115	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
116	The influence of spreading coefficient on carbonated water alternating gas injection in a heavy crude oil. <i>Fuel</i> , 2016, 178, 1-9.	3.4	62
117	Mechanistic study on the dynamic interfacial tension of crude oil + water systems: Experimental and modeling approaches. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 408-416.	2.9	46
118	Low salinity injection into asphaltenic-carbonate oil reservoir, mechanistical study. <i>Journal of Molecular Liquids</i> , 2016, 216, 377-386.	2.3	133
119	Utilization of Co ₃ O ₄ nanoparticles for reducing precipitation of asphaltene during CO ₂ injection. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 39-47.	2.1	23
120	Synergy effects of ions, resin, and asphaltene on interfacial tension of acidic crude oil and low salinity brines. <i>Fuel</i> , 2016, 165, 75-85.	3.4	123
121	NUMERICAL SIMULATION OF COUNTERCURRENT SPONTANEOUS IMBIBITION OF CARBONATED WATER IN POROUS MEDIA. <i>Journal of Porous Media</i> , 2016, 19, 635-647.	1.0	1
122	Performance of Polymer Injection in Hydraulically Fractured Heterogeneous Reservoirs - A Simulation Approach. , 2016, , .		0
123	Impact of asphaltene and normal paraffins on methane-synthetic oil interfacial tension: An experimental study. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 538-548.	2.1	26
124	Experimental investigation of CO ₂ huff and puff in a matrix-fracture system. <i>Fuel</i> , 2015, 158, 105-112.	3.4	18
125	Smart Technique in Water Shutoff Treatment for a Layered Reservoir through an Engineered Injection/Production Scheme. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11236-11246.	1.8	20
126	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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127	Determination of dew point pressure in gas condensate reservoirs based on a hybrid neural genetic algorithm. <i>Fluid Phase Equilibria</i> , 2015, 387, 38-49.	1.4	19
128	Experimental study of asphaltene precipitation prediction during gas injection to oil reservoirs by interfacial tension measurement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 466, 138-146.	2.3	53
129	Experimental Investigation of the Effect of Asphaltene and Normal Paraffin on CO ₂ -Oil Interfacial Tension. <i>Journal of Dispersion Science and Technology</i> , 2014, , 141217111959003.	1.3	5
130	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
131	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
132	Batch and continuous fixed-bed column biosorption of thorium(IV) from aqueous solutions: equilibrium and dynamic modeling. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 493-503.	0.7	20
133	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
134	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
135	Investigating the Effects of Temperature, Pressure, and Paraffin Groups on the N ₂ Miscibility in Hydrocarbon Liquids using the Interfacial Tension Measurement Method. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9851-9857.	1.8	50
136	New Insights Into CO ₂ Injection and Storage in Saline Aquifers. , 2012, , .		1
137	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
138	Permeability prediction based on reservoir zonation by a hybrid neural genetic algorithm in one of the Iranian heterogeneous oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2011, 78, 497-504.	2.1	27
139	Experimental Study of Pore-Scale Mechanisms of Carbonated Water Injection. <i>Transport in Porous Media</i> , 2011, 86, 73-86.	1.2	116
140	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
141	Visualisation of mechanisms involved in CO ₂ injection and storage in hydrocarbon reservoirs and water-bearing aquifers. <i>Chemical Engineering Research and Design</i> , 2011, 89, 1827-1840.	2.7	42
142	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
143	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
144	Theoretical investigation of pore-scale mechanisms of carbonated water injection. <i>Journal of Petroleum Science and Engineering</i> , 2011, 75, 312-326.	2.1	50

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145	Tertiary Oil Recovery and CO2 Sequestration by Carbonated Water Injection (CWI). , 2010, , .		33
146	Oil Recovery Improvement Using CO2-Enriched Water Injection. , 2009, , .		37
147	Enhanced Oil Recovery and CO2 Storage by Carbonated Water Injection. , 2009, , .		5
148	Direct Observation of CO2 Transport and Oil Displacement Mechanisms in CO2/Water/Oil Systems. , 2009, , .		6
149	Experimental Study of Gravity Drainage During Gas Injection in Carbonate Rocks. , 2006, , .		3
150	Enhanced Oil Recovery and CO2 Storage by Carbonated Water Injection. , 0, , .		3
151	A New Approach for Evaluating Migration of Nano Particles in Porous Media. Journal of Dispersion Science and Technology, 0, , .	1.3	3
152	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