Mingzhe Dong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/44586/publications.pdf

Version: 2024-02-01

		76196	110170
154	5,260	40	64
papers	citations	h-index	g-index

154	154	154	2965
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO2 sequestration in depleted oil and gas reservoirsâ€"caprock characterization and storage capacity. Energy Conversion and Management, 2006, 47, 1372-1382.	4.4	235
2	Enhanced heavy oil recovery through interfacial instability: A study of chemical flooding for Brintnell heavy oil. Fuel, 2009, 88, 1049-1056.	3.4	224
3	Synergy of alkali and surfactant in emulsification of heavy oil in brine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 273, 219-228.	2.3	179
4	Enhanced oil recovery by branched-preformed particle gel injection in parallel-sandpack models. Fuel, 2014, 136, 295-306.	3.4	178
5	Surfactant enhanced alkaline flooding for Western Canadian heavy oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 63-71.	2.3	167
6	Which One Is More Important in Chemical Flooding for Enhanced Court Heavy Oil Recovery, Lowering Interfacial Tension or Reducing Water Mobility?. Energy & Fuels, 2010, 24, 1829-1836.	2.5	140
7	Optimum effective viscosity of polymer solution for improving heavy oil recovery. Journal of Petroleum Science and Engineering, 2009, 67, 155-158.	2.1	128
8	A comparison of CO2 minimum miscibility pressure determinations for Weyburn crude oil. Journal of Petroleum Science and Engineering, 2001, 31, 13-22.	2.1	123
9	Displacement mechanisms of enhanced heavy oil recovery by alkaline flooding in a micromodel. Particuology, 2012, 10, 298-305.	2.0	110
10	Densities and Solubilities for Binary Systems of Carbon Dioxide + Water and Carbon Dioxide + Brine at 59 Â°C and Pressures to 29 MPa. Journal of Chemical & Engineering Data, 2004, 49, 1026-1031.	1.0	98
11	Effect of wettability alteration on enhanced heavy oil recovery by alkaline flooding. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 488, 28-35.	2.3	96
12	Measurement of dynamic adsorptionâ€"diffusion process of methane in shale. Fuel, 2016, 172, 37-48.	3.4	94
13	A model of dynamic adsorptionâ€"diffusion for modeling gas transport and storage in shale. Fuel, 2016, 173, 115-128.	3.4	82
14	Experimental Study of Carbon Dioxide Diffusion in Oil-Saturated Porous Media under Reservoir Conditions. Industrial & Engineering Chemistry Research, 2009, 48, 9307-9317.	1.8	81
15	Determination of Water-in-Oil Emulsion Viscosity in Porous Media. Industrial & Engineering Chemistry Research, 2009, 48, 7092-7102.	1.8	75
16	The dominant mechanism of enhanced heavy oil recovery by chemical flooding in a two-dimensional physical model. Fuel, 2013, 108, 261-268.	3.4	75
17	Enhanced Cyclic Solvent Process (ECSP) for Heavy Oil and Bitumen Recovery in Thin Reservoirs. Energy & Fuels, 2012, 26, 2865-2874.	2.5	73
18	Comparative Effectiveness of CO2, Produced Gas, and Flue Gas for Enhanced Heavy-Oil Recovery. SPE Reservoir Evaluation and Engineering, 1999, 2, 238-247.	1.1	69

#	Article	IF	Citations
19	Rheological properties and thickening mechanism of aqueous diutan gum solution: Effects of temperature and salts. Carbohydrate Polymers, 2015, 132, 620-629.	5.1	69
20	Emulsification of heavy crude oil in brine and its plugging performance in porous media. Chemical Engineering Science, 2018, 178, 335-347.	1.9	69
21	Liquid permeability of organic nanopores in shale: Calculation and analysis. Fuel, 2017, 202, 426-434.	3.4	68
22	Effects of inorganic cations on the rheology of aqueous welan, xanthan, gellan solutions and their mixtures. Carbohydrate Polymers, 2015, 121, 147-154.	5.1	66
23	Immiscible Displacement in the Interacting Capillary Bundle Model Part I. Development of Interacting Capillary Bundle Model. Transport in Porous Media, 2005, 59, 1-18.	1.2	62
24	A Microbial Exopolysaccharide Produced by Sphingomonas Species for Enhanced Heavy Oil Recovery at High Temperature and High Salinity. Energy & Fuels, 2017, 31, 3960-3969.	2.5	60
25	Characterization of Waterflood Saturation Profile Histories by the â€˜Completeâ€™ Capillary Number. Transport in Porous Media, 1998, 31, 213-237.	1.2	59
26	Effect of Oil Viscosity on Heavy-Oil/Water Relative Permeability Curves. , 2006, , .		58
27	Experimental study on the effect of interfacial tension on the conformance control of oil-in-water emulsions in heterogeneous oil sands reservoirs. Chemical Engineering Science, 2018, 189, 165-178.	1.9	58
28	Determination of organic and inorganic hydrocarbon saturations and effective porosities in shale using vacuum-imbibition method. International Journal of Coal Geology, 2018, 200, 123-134.	1.9	57
29	Wettability Alteration during Low-Salinity Waterflooding and the Relevance of Divalent Ions in This Process. Energy & Fuels, 2016, 30, 72-79.	2.5	56
30	Measurement and revised interpretation of gas flow behavior in tight reservoir cores. Journal of Petroleum Science and Engineering, 2009, 65, 81-88.	2.1	55
31	The displacement efficiency and rheology of welan gum for enhanced heavy oil recovery. Polymers for Advanced Technologies, 2014, 25, 1122-1129.	1.6	53
32	Rheological Behavior of Surface Modified Silica Nanoparticles Dispersed in Partially Hydrolyzed Polyacrylamide and Xanthan Gum Solutions: Experimental Measurements, Mechanistic Understanding, and Model Development. Energy & Fuels, 2018, 32, 10628-10638.	2.5	52
33	Experimental investigation of gas mass transport and diffusion coefficients in porous media with nanopores. International Journal of Heat and Mass Transfer, 2017, 115, 566-579.	2.5	51
34	Rheological behaviors of microbial polysaccharides with different substituents in aqueous solutions: Effects of concentration, temperature, inorganic salt and surfactant. Carbohydrate Polymers, 2019, 219, 162-171.	5.1	50
35	Enhanced heavy oil recovery in thin reservoirs using foamy oil-assisted methane huff-n-puff method. Fuel, 2015, 159, 962-973.	3.4	49
36	Experimental and Numerical Investigation of Dynamic Gas Adsorption/Desorptionâ€“Diffusion Process in Shale. Energy & Fuels, 2016, 30, 10080-10091.	2.5	48

#	Article	IF	Citations
37	Analysis of steamâ€“solventâ€“bitumen phase behavior and solvent mass transfer for improving the performance of the ES-SAGD process. Journal of Petroleum Science and Engineering, 2015, 133, 826-837.	2.1	45
38	Experimental investigation of gas production processes in shale. International Journal of Coal Geology, 2016, 159, 30-47.	1.9	45
39	Effects of Interfacial Tension and Droplet Size on the Plugging Performance of Oil-in-Water Emulsions in Porous Media. Industrial & Engineering Chemistry Research, 2017, 56, 9237-9246.	1.8	45
40	Three stages of methane adsorption capacity affected by moisture content. Fuel, 2018, 231, 352-360.	3.4	45
41	Investigation of Methane Desorption and Its Effect on the Gas Production Process from Shale: Experimental and Mathematical Study. Energy & Fuels, 2017, 31, 205-216.	2.5	44
42	Effects of Oil Viscosity on the Plugging Performance of Oil-in-Water Emulsion in Porous Media. Industrial & Engineering Chemistry Research, 2018, 57, 7301-7309.	1.8	43
43	Wettability alteration by magnesium ion binding in heavy oil/brine/chemical/sand systems â€” Analysis of electrostatic forces. Journal of Petroleum Science and Engineering, 2007, 59, 147-156.	2.1	40
44	A modified pressure-pulse decay method for determining permeabilities of tight reservoir cores. Journal of Natural Gas Science and Engineering, 2015, 27, 236-246.	2.1	40
45	Simulation of O/W Emulsion Flow in Alkaline/Surfactant Flood for Heavy Oil Recovery. Journal of Canadian Petroleum Technology, 2010, 49, 46-52.	2.3	35
46	Foam properties and stabilizing mechanism of sodium fatty alcohol polyoxyethylene ether sulfate-welan gum composite systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 176-183.	2.3	35
47	The Synergistic Effect of Branched-Preformed Particle Gel and Hydrolyzed Polyacrylamide on Further-Enhanced Oil Recovery after Polymer Flooding. Energy & Fuels, 2017, 31, 7904-7910.	2.5	35
48	Immiscible Displacement in the Interacting Capillary Bundle Model Part II. Applications of Model and Comparison of Interacting and Non-Interacting Capillary Bundle Models. Transport in Porous Media, 2006, 63, 289-304.	1.2	34
49	Permeabilities of tight reservoir cores determined for gaseous and liquid CO2 and C2H6 using minimum backpressure method. Journal of Natural Gas Science and Engineering, 2012, 5, 1-5.	2.1	34
50	Impact of solvent type and injection sequence on Enhanced Cyclic Solvent Process (ECSP) for thin heavy oil reservoirs. Journal of Petroleum Science and Engineering, 2013, 110, 169-183.	2.1	34
51	Improvement of CO2 EOR performance in water-wet reservoirs by adding active carbonated water. Journal of Petroleum Science and Engineering, 2014, 121, 142-148.	2.1	33
52	Evaluation of Different Factors on Enhanced Oil Recovery of Heavy Oil Using Different Alkali Solutions. Energy & Fuels, 2016, 30, 3860-3869.	2.5	33
53	Experimental Study of Diffusive Tortuosity of Liquid-Saturated Consolidated Porous Media. Industrial & Engineering Chemistry Research, 2010, 49, 6231-6237.	1.8	32
54	Effect of occurrence states of fluid and pore structures on shale oil movability. Fuel, 2021, 288, 119847.	3.4	32

#	Article	IF	Citations
55	Experimental study and simulation of CO2 transfer processes in shale oil reservoir. International Journal of Coal Geology, 2018, 191, 24-36.	1.9	31
56	Transient Natural Convection Induced by Gas Diffusion in Liquid-Saturated Vertical Porous Columns. Industrial & Engineering Chemistry Research, 2006, 45, 3311-3319.	1.8	30
57	Methane Pressure-Cycling Process With Horizontal Wells for Thin Heavy-Oil Reservoirs. SPE Reservoir Evaluation and Engineering, 2006, 9, 154-164.	1.1	30
58	Mass Transfer of CO₂ in a Carbonated Waterâ€“Oil System at High Pressures. Industrial & Engineering Chemistry Research, 2017, 56, 404-416.	1.8	30
59	Optimization of plugging high mobility zones in oil sands by injection of oil-in-water emulsion: Experimental and modeling study. Fuel, 2019, 257, 116024.	3.4	30
60	Study of conformance control in oil sands by oil-in-water emulsion injection using heterogeneous parallel-sandpack models. Fuel, 2019, 244, 335-351.	3.4	30
61	Trapping of the non-wetting phase in an interacting triangular tube bundle model. Chemical Engineering Science, 2011, 66, 250-259.	1.9	29
62	Experimental Study of the Interaction between NaOH, Surfactant, and Polymer in Reducing Court Heavy Oil/Brine Interfacial Tension. Energy & Fuels, 2012, 26, 3644-3650.	2.5	29
63	Plugging Ability of Oil-in-Water Emulsions in Porous Media: Experimental and Modeling Study. Industrial & Engineering Chemistry Research, 2018, 57, 14795-14808.	1.8	29
64	Dominant Scaling Groups of Polymer Flooding for Enhanced Heavy Oil Recovery. Industrial & Engineering Chemistry Research, 2013, 52, 911-921.	1.8	28
65	A New Method for Gas Effective Diffusion Coefficient Measurement in Water-Saturated Porous Rocks under High Pressures. Journal of Porous Media, 2006, 9, 445-461.	1.0	28
66	Effects of dihydrogen phosphate intercalated layered double hydroxides on the crystal behaviors and flammability of polypropylene. Journal of Applied Polymer Science, 2013, 130, 3645-3651.	1.3	27
67	A method for determining transverse permeability of tight reservoir cores by radial pressure pulse decay measurement. Journal of Geophysical Research: Solid Earth, 2016, 121, 7054-7070.	1.4	27
68	A new model of emulsion flow in porous media for conformance control. Fuel, 2019, 241, 53-64.	3.4	27
69	A model of emulsion plugging ability in sandpacks: Yield pressure drop and consistency parameter. Chemical Engineering Science, 2020, 211, 115248.	1.9	27
70	Further enhanced oil recovery by branched-preformed particle gel/HPAM/surfactant mixed solutions after polymer flooding in parallel-sandpack models. RSC Advances, 2017, 7, 39564-39575.	1.7	26
71	Numerical and Experimental Study of Enhanced Shale-Oil Recovery by CO₂ Miscible Displacement with NMR. Energy & Fuels, 2020, 34, 1524-1536.	2.5	26
72	Pyrolysis kinetics of Athabasca bitumen using a TGA under the influence of reservoir sand. Canadian Journal of Chemical Engineering, 2012, 90, 315-319.	0.9	25

#	Article	IF	Citations
73	A fast and effective method to evaluate the polymer flooding potential for heavy oil reservoirs in Western Canada. Journal of Petroleum Science and Engineering, 2013, 112, 335-340.	2.1	24
74	Adsorption and dissolution behaviors of CO2 and n-alkane mixtures in shale: Effects of the alkane type, shale properties and temperature. Fuel, 2019, 253, 1361-1370.	3.4	23
75	CO2-kerogen interaction dominated CO2-oil counter-current diffusion and its effect on ad-/absorbed oil recovery and CO2 sequestration in shale. Fuel, 2021, 294, 120500.	3.4	22
76	Experimental investigation of shale gas production with different pressure depletion schemes. Fuel, 2016, 186, 293-304.	3.4	21
77	Adsorption and Dissolution Behaviors of Carbon Dioxide and n-Dodecane Mixtures in Shale. Energy & Fuels, 2018, 32, 1374-1386.	2.5	21
78	Synergy of microbial polysaccharides and branched-preformed particle gel on thickening and enhanced oil recovery. Chemical Engineering Science, 2019, 208, 115138.	1.9	21
79	Enhanced Shale Oil Recovery by the Huff and Puff Method Using CO₂ and Cosolvent Mixed Fluids. Energy & Fuels, 2020, 34, 1438-1446.	2.5	21
80	Study of heat transfer by thermal expansion of connate water ahead of a steam chamber edge in the steam-assisted-gravity-drainage process. Fuel, 2015, 150, 592-601.	3.4	19
81	A crossflow model for an interacting capillary bundle: Development and application for waterflooding in tight oil reservoirs. Chemical Engineering Science, 2017, 164, 133-147.	1.9	19
82	Numerical and experimental study of oil transfer in laminated shale. International Journal of Coal Geology, 2020, 217, 103365.	1.9	19
83	Threshold pressure in arbitrary triangular tubes using RSG concept for all wetting conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 88-95.	2.3	18
84	A dynamic-pulse pseudo-pressure method to determine shale matrix permeability at representative reservoir conditions. International Journal of Coal Geology, 2018, 193, 61-72.	1.9	18
85	Conformance control in heterogeneous two-dimensional sandpacks by injection of oil-in-water emulsion: Theory and experiments. Fuel, 2020, 273, 117751.	3.4	18
86	Hydrophobic effect further improves the rheological behaviors and oil recovery of polyacrylamide/nanosilica hybrids at high salinity. Chemical Engineering Science, 2021, 232, 116369.	1.9	18
87	Enhanced oil recovery by emulsion injection in heterogeneous heavy oil reservoirs: Experiments, modeling and reservoir simulation. Journal of Petroleum Science and Engineering, 2022, 209, 109882.	2.1	18
88	An Experimental Study of Mobilization and Creeping Flow of Oil Slugs in a Water-Filled Capillary. Transport in Porous Media, 2009, 80, 455-467.	1.2	17
89	Experimental and numerical study of the convective mass transfer of solvent in the Expanding-Solvent SAGD process. Fuel, 2018, 215, 298-311.	3.4	17
90	Slow Viscous Flow through Arbitrary Triangular Tubes and Its Application in Modelling Porous Media Flows. Transport in Porous Media, 2008, 74, 153-167.	1.2	16

#	Article	IF	Citations
91	Prediction of nitrogen diluted CO 2 minimum miscibility pressure for EOR and storage in depleted oil reservoirs. Fuel, 2015, 162, 55-64.	3.4	16
92	Enhanced heavy oil recovery by organic alkali combinational flooding solutions. Journal of Dispersion Science and Technology, 2017, 38, 551-557.	1.3	16
93	Enhanced oil recovery ability of branched preformed particle gel in heterogeneous reservoirs. Oil and Gas Science and Technology, 2018, 73, 65.	1.4	16
94	Insight on Methane Foam Stability and Texture via Adsorption of Surfactants on Oppositely Charged Nanoparticles. Langmuir, 2018, 34, 14274-14285.	1.6	16
95	Fluid transfer between tubes in interacting capillary bundle models. Transport in Porous Media, 2008, 71, 115-131.	1.2	14
96	Mobilization of oil in organic matter and its contribution to oil production during primary production in shale. Fuel, 2021, 287, 119449.	3.4	14
97	Calculation of relative permeability in reservoir engineering using an interacting triangular tube bundle model. Particuology, 2012, 10, 710-721.	2.0	13
98	Effects of cosolvent on dissolution behaviors of PVAc in supercritical CO2: A molecular dynamics study. Chemical Engineering Science, 2019, 206, 22-30.	1.9	13
99	An analytical method of estimating diffusion coefficients of gases in liquids from pressure decay tests. AICHE Journal, 2019, 65, 434-445.	1.8	13
100	Density and Viscosity of CO₂ + Ethanol Binary Systems Measured by a Capillary Viscometer from 308.15 to 338.15 K and 15 to 45 MPa. Journal of Chemical & Engineering Data, 2020, 65, 3820-3833.	1.0	13
101	Experimental Evaluation on the Oil Saturation and Movability in the Organic and Inorganic Matter of Shale. Energy & Fuels, 2020, 34, 8063-8073.	2.5	13
102	The potential and mechanism of nonionic polyether surfactants dissolved in CO2 to improve the miscibility of CO2â€“hydrocarbon systems. Fuel, 2022, 326, 125012.	3.4	13
103	Experimental and numerical study of initial water mobility in bitumen reservoirs and its effect on SAGD. Journal of Petroleum Science and Engineering, 2012, 92-93, 30-39.	2.1	11
104	Investigation of initial water mobility and its effects on SAGD performance in bitumen reservoirs and oil sands. Journal of Petroleum Science and Engineering, 2015, 135, 39-49.	2.1	11
105	Re-Examination of Fingering in SAGD and ES-SAGD. , 2016, , .		11
106	Phase equilibrium of PVAcÂ+ÂCO2 binary systems and PVAcÂ+ÂCO2Â+Âethanol ternary systems. Fluid Phase Equilibria, 2018, 458, 264-271.	1.4	11
107	Estimation of diffusion coefficient of gases in liquids from swelling data â€“ An analytical model for including the effects of advection and density change. Fuel, 2019, 252, 68-76.	3.4	11
108	Determination of inorganic and organic permeabilities of shale. International Journal of Coal Geology, 2019, 215, 103296.	1.9	11

#	Article	IF	Citations
109	Emulsion-assisted thermal recovery method in heterogeneous oilsands reservoir. Journal of Petroleum Science and Engineering, 2021, 197, 108113.	2.1	11
110	Experimental study of pressure sensitivity in shale rocks: Effects of pore shape and gas slippage. Journal of Natural Gas Science and Engineering, 2021, 89, 103885.	2.1	11
111	Effect of PEO-PPO-ph-PPO-PEO and PPO-PEO-ph-PEO-PPO on the Rheological and EOR Properties of Polymer Solutions. Industrial & Engineering Chemistry Research, 2014, 53, 4544-4553.	1.8	10
112	Novel insights on initial water mobility: Its effects on steam-assisted gravity drainage performance. Fuel, 2016, 174, 274-286.	3.4	10
113	Effect of diutan microbial polysaccharide on the stability and rheological properties of O/W nanoemulsions formed with a blend of Span20-Tween20. Journal of Dispersion Science and Technology, 2018, 39, 1644-1654.	1.3	10
114	Dissolution behaviors of alkyl block polyethers in CO2: Experimental measurements and molecular dynamics simulations. Chemical Engineering Science, 2020, 228, 115953.	1.9	10
115	Effects of Operational Parameters on Diffusion Coefficients of CO₂ in a Carbonated Waterâ€“Oil System. Industrial & Engineering Chemistry Research, 2017, 56, 12799-12810.	1.8	9
116	Phase Behavior for Poly(vinylacetate) + Carbon Dioxide + Cosolvent Ternary Systems. Journal of Chemical & Engineering Data, 2018, 63, 187-196.	1.0	9
117	Review of CO2-kerogen interaction and its effects on enhanced oil recovery and carbon sequestration in shale oil reservoirs. , 2022, 1, 93-113.		9
118	A new measurement method for radial permeability and porosity of shale. Petroleum Research, 2017, 2, 178-185.	1.6	8
119	Determination of Mass Transfer Coefficient of Methane in Heavy Oil-Saturated Unconsolidated Porous Media Using Constant-Pressure Technique. Industrial & Engineering Chemistry Research, 2017, 56, 7390-7400.	1.8	8
120	A method of determining adsorptive-gas permeability in shale cores with considering effect of dynamic adsorption on flow. Fuel, 2020, 268, 117340.	3.4	8
121	An Improved Study of Emulsion Flooding for Conformance Control in a Heterogeneous 2D Model with Lean Zones. SPE Journal, 2021, 26, 3094-3108.	1.7	8
122	Effects of the laminated-structure and mixed wettability on the oil/water relative permeabilities and oil productions in shale oil formations. Journal of Petroleum Science and Engineering, 2022, 208, 109457.	2.1	7
123	Simulation study on dissolved oil release from kerogen and its effect on shale oil production under primary depletion and CO2 huff-n-puff. Journal of Petroleum Science and Engineering, 2021, 200, 108239.	2.1	6
124	Attenuated Wave Field in Fluid-Saturated Porous Medium with Excitations of Multiple Sources. Transport in Porous Media, 2009, 79, 359-375.	1.2	5
125	Liquidâ€“Liquid Flow in Irregular Triangular Capillaries Under Different Wettabilities and Various Viscosity Ratios. Transport in Porous Media, 2016, 115, 79-100.	1.2	5
126	Conformance Control for SAGD Using Oil-in-Water Emulsions in Heterogeneous Oil Sands Reservoirs. , 2019, , .		5

#	Article	IF	Citations
127	Radial Permeability Measurements for Shale Using Variable Pressure Gradients. Acta Geologica Sinica, 2020, 94, 269-279.	0.8	5
128	Viscosity and rheological behavior of microbubbles in capillary tubes. AICHE Journal, 2014, 60, 2660-2669.	1.8	4
129	A Model to Estimate Heat Efficiency in Steam-Assisted Gravity Drainage by Condensate and Initial Water Flow in Oil Sands. Industrial & Engineering Chemistry Research, 2016, 55, 13147-13156.	1.8	4
130	Investigation of initial water mobility on steam-assisted gravity drainage performance using a two-dimensional physical model. Fuel, 2018, 217, 668-679.	3.4	4
131	A Method to Measure Ultralow Permeabilities of Shale Core in Multiple Directions Using Pressure-Pulse Decay Technique. , 2018, , .		4
132	A Numerical Study of Initiation and Migration of Trapped Oil in Capillaries with Noncircular Cross Sections. Geofluids, 2019, 2019, 1-9.	0.3	4
133	Method of determining the cohesion and adhesion parameters in the Shan-Chen multicomponent multiphase lattice Boltzmann models. Computers and Fluids, 2021, 222, 104925.	1.3	4
134	Effects of temperature and CO2/Brine cycles on CO2 drainage endpoint phase mobility â€“ implications for CO2 injectivity in deep saline aquifers. International Journal of Greenhouse Gas Control, 2021, 112, 103491.	2.3	4
135	Interactions between pluronic block polyether and CTAB at air/water interface: interfacial dilational rheology study. Colloid and Polymer Science, 2016, 294, 1577-1584.	1.0	3
136	A New Foamy Oil-Assisted Methane Huff-N-Puff Method for Enhanced Heavy Oil Recovery in Thin Reservoirs. , 2016, , .		3
137	Investigation of Pressure Drop of Trapped Oil in Capillaries with Circular Cross-Sections. Industrial & Engineering Chemistry Research, 2018, 57, 13866-13875.	1.8	3
138	Development And Application Of Emulsion-based Conformance Control Method For Enhanced Bitumen Recovery By Steam-assisted Gravity Drainage. , 2020, , .		3
139	Molecular dynamics study on the dissolution behaviors of poly(vinyl acetate)â€polyether block copolymers in supercritical <scp>CO₂</scp>. Journal of Applied Polymer Science, 2021, 138, 50151.	1.3	3
140	A numerical study of fluids desorption and phase behavior in shale oil reservoir using a chemical reaction model. Journal of Petroleum Science and Engineering, 2021, 196, 108050.	2.1	3
141	Dispersibility of Poly(vinyl acetate) Modified Silica Nanoparticles in Carbon Dioxide with Several Cosolvents. Langmuir, 2021, 37, 655-665.	1.6	3
142	Study on movable fluid of low permeability reservoir with NMR technology. AIP Conference Proceedings, 2018, , .	0.3	2
143	A pressure-decay method to determine influence of a surface-active agent on interface and internal resistances to gasâ€“liquid mass transfer. Chemical Engineering Journal, 2020, 387, 124108.	6.6	2
144	Fractal-Based Production Analysis for Shale Reservoir Considering Vertical Cross-Flow. Fractals, 0, , .	1.8	2

#	Article	IF	Citations
145	Determination of Shale Matrix Permeability through Dynamic Methane Production Experiments Using Variable Pressure Gradients. , 2018, , .		1
146	Radial Permeability Measurement for Shale Using Variable Pressure Gradients. , 2018, , .		1
147	Effects of Sodium Benzoate and Sodium Chloride on the Aggregation Behaviors of PEOâ€PPOâ€phâ€PPOâ€PEO and PPOâ€PEOâ€phâ€PEOâ€PPO at the Air/Water Interface. Journal of Surfactants and Detergents, 2019, 22, 217-228.	1.0	1
148	Phase Equilibrium and Density of CO2 + Acetic Acid Systems from 308.15 to 338.15 K and 15 to 45 MPa. ACS Omega, 2021, 6, 6663-6673.	1.6	1
149	Dynamic effective permeability of a laminated structure with cross flow in the transient flow process and its application to reservoir simulation. Journal of Petroleum Science and Engineering, 2022, 208, 109649.	2.1	1
150	The effect of viscosity ratio on the dispersal of fracturing fluids into groundwater system. Environmental Earth Sciences, 2018, 77, 1.	1.3	0
151	The numerical simulation on swelling factor and extraction rate of a tight crude oil and SC-CO2 system. AIP Conference Proceedings, 2018, , .	0.3	0
152	Analytical solutions of critical oil film thickness of negative spreading coefficient in a capillary corner. Journal of Petroleum Science and Engineering, 2022, 208, 109263.	2.1	0
153	Ball Bearing Remnant Life Prediction of Induction Motors â€“ Impact Inspection Approach. , 2006, , .		0
154	Impact of cross-flow on well production in shale reservoir considering vertical variation of reservoir and fracture properties: Model and field application. Journal of Petroleum Science and Engineering, 2021, 208, 109739.	2.1	0