

# Mingzhe Dong

## List of Publications by Year in descending order

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154  
papers

5,260  
citations

76326

40  
h-index

110387

64  
g-index

154  
all docs

154  
docs citations

154  
times ranked

2965  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> sequestration in depleted oil and gas reservoirs—caprock characterization and storage capacity. <i>Energy Conversion and Management</i> , 2006, 47, 1372-1382.	9.2	235
2	Enhanced heavy oil recovery through interfacial instability: A study of chemical flooding for Brintnell heavy oil. <i>Fuel</i> , 2009, 88, 1049-1056.	6.4	224
3	Synergy of alkali and surfactant in emulsification of heavy oil in brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 273, 219-228.	4.7	179
4	Enhanced oil recovery by branched-preformed particle gel injection in parallel-sandpack models. <i>Fuel</i> , 2014, 136, 295-306.	6.4	178
5	Surfactant enhanced alkaline flooding for Western Canadian heavy oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 293, 63-71.	4.7	167
6	Which One Is More Important in Chemical Flooding for Enhanced Court Heavy Oil Recovery, Lowering Interfacial Tension or Reducing Water Mobility?. <i>Energy &amp; Fuels</i> , 2010, 24, 1829-1836.	5.1	140
7	Optimum effective viscosity of polymer solution for improving heavy oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2009, 67, 155-158.	4.2	128
8	A comparison of CO <sub>2</sub> minimum miscibility pressure determinations for Weyburn crude oil. <i>Journal of Petroleum Science and Engineering</i> , 2001, 31, 13-22.	4.2	123
9	Displacement mechanisms of enhanced heavy oil recovery by alkaline flooding in a micromodel. <i>Particuology</i> , 2012, 10, 298-305.	3.6	110
10	Densities and Solubilities for Binary Systems of Carbon Dioxide + Water and Carbon Dioxide + Brine at 59 Å°C and Pressures to 29 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2004, 49, 1026-1031.	1.9	98
11	Effect of wettability alteration on enhanced heavy oil recovery by alkaline flooding. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 28-35.	4.7	96
12	Measurement of dynamic adsorption—diffusion process of methane in shale. <i>Fuel</i> , 2016, 172, 37-48.	6.4	94
13	A model of dynamic adsorption—diffusion for modeling gas transport and storage in shale. <i>Fuel</i> , 2016, 173, 115-128.	6.4	82
14	Experimental Study of Carbon Dioxide Diffusion in Oil-Saturated Porous Media under Reservoir Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9307-9317.	3.7	81
15	Determination of Water-in-Oil Emulsion Viscosity in Porous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 7092-7102.	3.7	75
16	The dominant mechanism of enhanced heavy oil recovery by chemical flooding in a two-dimensional physical model. <i>Fuel</i> , 2013, 108, 261-268.	6.4	75
17	Enhanced Cyclic Solvent Process (ECSP) for Heavy Oil and Bitumen Recovery in Thin Reservoirs. <i>Energy &amp; Fuels</i> , 2012, 26, 2865-2874.	5.1	73
18	Comparative Effectiveness of CO <sub>2</sub> , Produced Gas, and Flue Gas for Enhanced Heavy-Oil Recovery. <i>SPE Reservoir Evaluation and Engineering</i> , 1999, 2, 238-247.	1.8	69

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19	Rheological properties and thickening mechanism of aqueous diutan gum solution: Effects of temperature and salts. <i>Carbohydrate Polymers</i> , 2015, 132, 620-629.	10.2	69
20	Emulsification of heavy crude oil in brine and its plugging performance in porous media. <i>Chemical Engineering Science</i> , 2018, 178, 335-347.	3.8	69
21	Liquid permeability of organic nanopores in shale: Calculation and analysis. <i>Fuel</i> , 2017, 202, 426-434.	6.4	68
22	Effects of inorganic cations on the rheology of aqueous welan, xanthan, gellan solutions and their mixtures. <i>Carbohydrate Polymers</i> , 2015, 121, 147-154.	10.2	66
23	Immiscible Displacement in the Interacting Capillary Bundle Model Part I. Development of Interacting Capillary Bundle Model. <i>Transport in Porous Media</i> , 2005, 59, 1-18.	2.6	62
24	A Microbial Exopolysaccharide Produced by <i>Sphingomonas</i> Species for Enhanced Heavy Oil Recovery at High Temperature and High Salinity. <i>Energy &amp; Fuels</i> , 2017, 31, 3960-3969.	5.1	60
25	Characterization of Waterflood Saturation Profile Histories by the "Complete" Capillary Number. <i>Transport in Porous Media</i> , 1998, 31, 213-237.	2.6	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. <i>Chemical Engineering Science</i> , 2018, 189, 165-178.	3.8	58
28	Determination of organic and inorganic hydrocarbon saturations and effective porosities in shale using vacuum-imbibition method. <i>International Journal of Coal Geology</i> , 2018, 200, 123-134.	5.0	57
29	Wettability Alteration during Low-Salinity Waterflooding and the Relevance of Divalent Ions in This Process. <i>Energy &amp; Fuels</i> , 2016, 30, 72-79.	5.1	56
30	Measurement and revised interpretation of gas flow behavior in tight reservoir cores. <i>Journal of Petroleum Science and Engineering</i> , 2009, 65, 81-88.	4.2	55
31	The displacement efficiency and rheology of welan gum for enhanced heavy oil recovery. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1122-1129.	3.2	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. <i>Energy &amp; Fuels</i> , 2018, 32, 10628-10638.	5.1	52
33	Experimental investigation of gas mass transport and diffusion coefficients in porous media with nanopores. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 566-579.	4.8	51
34	Rheological behaviors of microbial polysaccharides with different substituents in aqueous solutions: Effects of concentration, temperature, inorganic salt and surfactant. <i>Carbohydrate Polymers</i> , 2019, 219, 162-171.	10.2	50
35	Enhanced heavy oil recovery in thin reservoirs using foamy oil-assisted methane huff-n-puff method. <i>Fuel</i> , 2015, 159, 962-973.	6.4	49
36	Experimental and Numerical Investigation of Dynamic Gas Adsorption/Desorption "Diffusion Process in Shale. <i>Energy &amp; Fuels</i> , 2016, 30, 10080-10091.	5.1	48

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37	Analysis of steam-solvent-bitumen phase behavior and solvent mass transfer for improving the performance of the ES-SAGD process. <i>Journal of Petroleum Science and Engineering</i> , 2015, 133, 826-837.	4.2	45
38	Experimental investigation of gas production processes in shale. <i>International Journal of Coal Geology</i> , 2016, 159, 30-47.	5.0	45
39	Effects of Interfacial Tension and Droplet Size on the Plugging Performance of Oil-in-Water Emulsions in Porous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 9237-9246.	3.7	45
40	Three stages of methane adsorption capacity affected by moisture content. <i>Fuel</i> , 2018, 231, 352-360.	6.4	45
41	Investigation of Methane Desorption and Its Effect on the Gas Production Process from Shale: Experimental and Mathematical Study. <i>Energy &amp; Fuels</i> , 2017, 31, 205-216.	5.1	44
42	Effects of Oil Viscosity on the Plugging Performance of Oil-in-Water Emulsion in Porous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 7301-7309.	3.7	43
43	Wettability alteration by magnesium ion binding in heavy oil/brine/chemical/sand systems - Analysis of electrostatic forces. <i>Journal of Petroleum Science and Engineering</i> , 2007, 59, 147-156.	4.2	40
44	A modified pressure-pulse decay method for determining permeabilities of tight reservoir cores. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 236-246.	4.4	40
45	Simulation of O/W Emulsion Flow in Alkaline/Surfactant Flood for Heavy Oil Recovery. <i>Journal of Canadian Petroleum Technology</i> , 2010, 49, 46-52.	2.3	35
46	Foam properties and stabilizing mechanism of sodium fatty alcohol polyoxyethylene ether sulfate-welan gum composite systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 176-183.	4.7	35
47	The Synergistic Effect of Branched-Preformed Particle Gel and Hydrolyzed Polyacrylamide on Further-Enhanced Oil Recovery after Polymer Flooding. <i>Energy &amp; Fuels</i> , 2017, 31, 7904-7910.	5.1	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. <i>Transport in Porous Media</i> , 2006, 63, 289-304.	2.6	34
49	Permeabilities of tight reservoir cores determined for gaseous and liquid CO <sub>2</sub> and C <sub>2</sub> H <sub>6</sub> using minimum backpressure method. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 5, 1-5.	4.4	34
50	Impact of solvent type and injection sequence on Enhanced Cyclic Solvent Process (ECSP) for thin heavy oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2013, 110, 169-183.	4.2	34
51	Improvement of CO <sub>2</sub> EOR performance in water-wet reservoirs by adding active carbonated water. <i>Journal of Petroleum Science and Engineering</i> , 2014, 121, 142-148.	4.2	33
52	Evaluation of Different Factors on Enhanced Oil Recovery of Heavy Oil Using Different Alkali Solutions. <i>Energy &amp; Fuels</i> , 2016, 30, 3860-3869.	5.1	33
53	Experimental Study of Diffusive Tortuosity of Liquid-Saturated Consolidated Porous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 6231-6237.	3.7	32
54	Effect of occurrence states of fluid and pore structures on shale oil movability. <i>Fuel</i> , 2021, 288, 119847.	6.4	32

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55	Experimental study and simulation of CO <sub>2</sub> transfer processes in shale oil reservoir. <i>International Journal of Coal Geology</i> , 2018, 191, 24-36.	5.0	31
56	Transient Natural Convection Induced by Gas Diffusion in Liquid-Saturated Vertical Porous Columns. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 3311-3319.	3.7	30
57	Methane Pressure-Cycling Process With Horizontal Wells for Thin Heavy-Oil Reservoirs. <i>SPE Reservoir Evaluation and Engineering</i> , 2006, 9, 154-164.	1.8	30
58	Mass Transfer of CO <sub>2</sub> in a Carbonated Water-Oil System at High Pressures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 404-416.	3.7	30
59	Optimization of plugging high mobility zones in oil sands by injection of oil-in-water emulsion: Experimental and modeling study. <i>Fuel</i> , 2019, 257, 116024.	6.4	30
60	Study of conformance control in oil sands by oil-in-water emulsion injection using heterogeneous parallel-sandpack models. <i>Fuel</i> , 2019, 244, 335-351.	6.4	30
61	Trapping of the non-wetting phase in an interacting triangular tube bundle model. <i>Chemical Engineering Science</i> , 2011, 66, 250-259.	3.8	29
62	Experimental Study of the Interaction between NaOH, Surfactant, and Polymer in Reducing Court Heavy Oil/Brine Interfacial Tension. <i>Energy &amp; Fuels</i> , 2012, 26, 3644-3650.	5.1	29
63	Plugging Ability of Oil-in-Water Emulsions in Porous Media: Experimental and Modeling Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14795-14808.	3.7	29
64	Dominant Scaling Groups of Polymer Flooding for Enhanced Heavy Oil Recovery. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 911-921.	3.7	28
65	A New Method for Gas Effective Diffusion Coefficient Measurement in Water-Saturated Porous Rocks under High Pressures. <i>Journal of Porous Media</i> , 2006, 9, 445-461.	1.9	28
66	Effects of dihydrogen phosphate intercalated layered double hydroxides on the crystal behaviors and flammability of polypropylene. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3645-3651.	2.6	27
67	A method for determining transverse permeability of tight reservoir cores by radial pressure pulse decay measurement. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7054-7070.	3.4	27
68	A new model of emulsion flow in porous media for conformance control. <i>Fuel</i> , 2019, 241, 53-64.	6.4	27
69	A model of emulsion plugging ability in sandpacks: Yield pressure drop and consistency parameter. <i>Chemical Engineering Science</i> , 2020, 211, 115248.	3.8	27
70	Further enhanced oil recovery by branched-preformed particle gel/HPAM/surfactant mixed solutions after polymer flooding in parallel-sandpack models. <i>RSC Advances</i> , 2017, 7, 39564-39575.	3.6	26
71	Numerical and Experimental Study of Enhanced Shale-Oil Recovery by CO <sub>2</sub> Miscible Displacement with NMR. <i>Energy &amp; Fuels</i> , 2020, 34, 1524-1536.	5.1	26
72	Pyrolysis kinetics of Athabasca bitumen using a TGA under the influence of reservoir sand. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 315-319.	1.7	25

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73	A fast and effective method to evaluate the polymer flooding potential for heavy oil reservoirs in Western Canada. <i>Journal of Petroleum Science and Engineering</i> , 2013, 112, 335-340.	4.2	24
74	Adsorption and dissolution behaviors of CO <sub>2</sub> and n-alkane mixtures in shale: Effects of the alkane type, shale properties and temperature. <i>Fuel</i> , 2019, 253, 1361-1370.	6.4	23
75	CO <sub>2</sub> -kerogen interaction dominated CO <sub>2</sub> -oil counter-current diffusion and its effect on ad-/absorbed oil recovery and CO <sub>2</sub> sequestration in shale. <i>Fuel</i> , 2021, 294, 120500.	6.4	22
76	Experimental investigation of shale gas production with different pressure depletion schemes. <i>Fuel</i> , 2016, 186, 293-304.	6.4	21
77	Adsorption and Dissolution Behaviors of Carbon Dioxide and n-Dodecane Mixtures in Shale. <i>Energy &amp; Fuels</i> , 2018, 32, 1374-1386.	5.1	21
78	Synergy of microbial polysaccharides and branched-preformed particle gel on thickening and enhanced oil recovery. <i>Chemical Engineering Science</i> , 2019, 208, 115138.	3.8	21
79	Enhanced Shale Oil Recovery by the Huff and Puff Method Using CO <sub>2</sub> and Cosolvent Mixed Fluids. <i>Energy &amp; Fuels</i> , 2020, 34, 1438-1446.	5.1	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. <i>Fuel</i> , 2015, 150, 592-601.	6.4	19
81	A crossflow model for an interacting capillary bundle: Development and application for waterflooding in tight oil reservoirs. <i>Chemical Engineering Science</i> , 2017, 164, 133-147.	3.8	19
82	Numerical and experimental study of oil transfer in laminated shale. <i>International Journal of Coal Geology</i> , 2020, 217, 103365.	5.0	19
83	Threshold pressure in arbitrary triangular tubes using RSG concept for all wetting conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 88-95.	4.7	18
84	A dynamic-pulse pseudo-pressure method to determine shale matrix permeability at representative reservoir conditions. <i>International Journal of Coal Geology</i> , 2018, 193, 61-72.	5.0	18
85	Conformance control in heterogeneous two-dimensional sandpacks by injection of oil-in-water emulsion: Theory and experiments. <i>Fuel</i> , 2020, 273, 117751.	6.4	18
86	Hydrophobic effect further improves the rheological behaviors and oil recovery of polyacrylamide/nanosilica hybrids at high salinity. <i>Chemical Engineering Science</i> , 2021, 232, 116369.	3.8	18
87	Enhanced oil recovery by emulsion injection in heterogeneous heavy oil reservoirs: Experiments, modeling and reservoir simulation. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109882.	4.2	18
88	An Experimental Study of Mobilization and Creeping Flow of Oil Slugs in a Water-Filled Capillary. <i>Transport in Porous Media</i> , 2009, 80, 455-467.	2.6	17
89	Experimental and numerical study of the convective mass transfer of solvent in the Expanding-Solvent SAGD process. <i>Fuel</i> , 2018, 215, 298-311.	6.4	17
90	Slow Viscous Flow through Arbitrary Triangular Tubes and Its Application in Modelling Porous Media Flows. <i>Transport in Porous Media</i> , 2008, 74, 153-167.	2.6	16

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91	Prediction of nitrogen diluted CO <sub>2</sub> minimum miscibility pressure for EOR and storage in depleted oil reservoirs. <i>Fuel</i> , 2015, 162, 55-64.	6.4	16
92	Enhanced heavy oil recovery by organic alkali combinational flooding solutions. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 551-557.	2.4	16
93	Enhanced oil recovery ability of branched preformed particle gel in heterogeneous reservoirs. <i>Oil and Gas Science and Technology</i> , 2018, 73, 65.	1.4	16
94	Insight on Methane Foam Stability and Texture via Adsorption of Surfactants on Oppositely Charged Nanoparticles. <i>Langmuir</i> , 2018, 34, 14274-14285.	3.5	16
95	Fluid transfer between tubes in interacting capillary bundle models. <i>Transport in Porous Media</i> , 2008, 71, 115-131.	2.6	14
96	Mobilization of oil in organic matter and its contribution to oil production during primary production in shale. <i>Fuel</i> , 2021, 287, 119449.	6.4	14
97	Calculation of relative permeability in reservoir engineering using an interacting triangular tube bundle model. <i>Particology</i> , 2012, 10, 710-721.	3.6	13
98	Effects of cosolvent on dissolution behaviors of PVAc in supercritical CO <sub>2</sub> : A molecular dynamics study. <i>Chemical Engineering Science</i> , 2019, 206, 22-30.	3.8	13
99	An analytical method of estimating diffusion coefficients of gases in liquids from pressure decay tests. <i>AIChE Journal</i> , 2019, 65, 434-445.	3.6	13
100	Density and Viscosity of CO <sub>2</sub> + Ethanol Binary Systems Measured by a Capillary Viscometer from 308.15 to 338.15 K and 15 to 45 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 3820-3833.	1.9	13
101	Experimental Evaluation on the Oil Saturation and Movability in the Organic and Inorganic Matter of Shale. <i>Energy &amp; Fuels</i> , 2020, 34, 8063-8073.	5.1	13
102	The potential and mechanism of nonionic polyether surfactants dissolved in CO <sub>2</sub> to improve the miscibility of CO <sub>2</sub> -hydrocarbon systems. <i>Fuel</i> , 2022, 326, 125012.	6.4	13
103	Experimental and numerical study of initial water mobility in bitumen reservoirs and its effect on SAGD. <i>Journal of Petroleum Science and Engineering</i> , 2012, 92-93, 30-39.	4.2	11
104	Investigation of initial water mobility and its effects on SAGD performance in bitumen reservoirs and oil sands. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 39-49.	4.2	11
105	Re-Examination of Fingering in SAGD and ES-SAGD. , 2016, , .		11
106	Phase equilibrium of PVAc-CO <sub>2</sub> binary systems and PVAc-CO <sub>2</sub> -Ethanol ternary systems. <i>Fluid Phase Equilibria</i> , 2018, 458, 264-271.	2.5	11
107	Estimation of diffusion coefficient of gases in liquids from swelling data – An analytical model for including the effects of advection and density change. <i>Fuel</i> , 2019, 252, 68-76.	6.4	11
108	Determination of inorganic and organic permeabilities of shale. <i>International Journal of Coal Geology</i> , 2019, 215, 103296.	5.0	11



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109	Emulsion-assisted thermal recovery method in heterogeneous oilsands reservoir. Journal of Petroleum Science and Engineering, 2021, 197, 108113.	4.2	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.	4.4	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.	3.7	10
112	Novel insights on initial water mobility: Its effects on steam-assisted gravity drainage performance. Fuel, 2016, 174, 274-286.	6.4	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.	2.4	10
114	Dissolution behaviors of alkyl block polyethers in CO <sub>2</sub> : Experimental measurements and molecular dynamics simulations. Chemical Engineering Science, 2020, 228, 115953.	3.8	10
115	Effects of Operational Parameters on Diffusion Coefficients of CO <sub>2</sub> in a Carbonated Water-Oil System. Industrial & Engineering Chemistry Research, 2017, 56, 12799-12810.	3.7	9
116	Phase Behavior for Poly(vinylacetate) + Carbon Dioxide + Cosolvent Ternary Systems. Journal of Chemical & Engineering Data, 2018, 63, 187-196.	1.9	9
117	Review of CO <sub>2</sub> -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.	2.7	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.	3.7	8
120	A method of determining adsorptive-gas permeability in shale cores with considering effect of dynamic adsorption on flow. Fuel, 2020, 268, 117340.	6.4	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.	3.1	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.	4.2	7
123	Simulation study on dissolved oil release from kerogen and its effect on shale oil production under primary depletion and CO <sub>2</sub> huff-n-puff. Journal of Petroleum Science and Engineering, 2021, 200, 108239.	4.2	6
124	Attenuated Wave Field in Fluid-Saturated Porous Medium with Excitations of Multiple Sources. Transport in Porous Media, 2009, 79, 359-375.	2.6	5
125	Liquid-Liquid Flow in Irregular Triangular Capillaries Under Different Wettabilities and Various Viscosity Ratios. Transport in Porous Media, 2016, 115, 79-100.	2.6	5
126	Conformance Control for SAGD Using Oil-in-Water Emulsions in Heterogeneous Oil Sands Reservoirs. , 2019, , .		5



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127	Radial Permeability Measurements for Shale Using Variable Pressure Gradients. <i>Acta Geologica Sinica</i> , 2020, 94, 269-279.	1.4	5
128	Viscosity and rheological behavior of microbubbles in capillary tubes. <i>AIChE Journal</i> , 2014, 60, 2660-2669.	3.6	4
129	A Model to Estimate Heat Efficiency in Steam-Assisted Gravity Drainage by Condensate and Initial Water Flow in Oil Sands. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 13147-13156.	3.7	4
130	Investigation of initial water mobility on steam-assisted gravity drainage performance using a two-dimensional physical model. <i>Fuel</i> , 2018, 217, 668-679.	6.4	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. <i>Geofluids</i> , 2019, 2019, 1-9.	0.7	4
133	Method of determining the cohesion and adhesion parameters in the Shan-Chen multicomponent multiphase lattice Boltzmann models. <i>Computers and Fluids</i> , 2021, 222, 104925.	2.5	4
134	Effects of temperature and CO <sub>2</sub> /Brine cycles on CO <sub>2</sub> drainage endpoint phase mobility – implications for CO <sub>2</sub> injectivity in deep saline aquifers. <i>International Journal of Greenhouse Gas Control</i> , 2021, 112, 103491.	4.6	4
135	Interactions between pluronic block polyether and CTAB at air/water interface: interfacial dilational rheology study. <i>Colloid and Polymer Science</i> , 2016, 294, 1577-1584.	2.1	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. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13866-13875.	3.7	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)-polyether block copolymers in supercritical CO <sub>2</sub> . <i>Journal of Applied Polymer Science</i> , 2021, 138, 50151.	2.6	3
140	A numerical study of fluids desorption and phase behavior in shale oil reservoir using a chemical reaction model. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108050.	4.2	3
141	Dispersibility of Poly(vinyl acetate) Modified Silica Nanoparticles in Carbon Dioxide with Several Cosolvents. <i>Langmuir</i> , 2021, 37, 655-665.	3.5	3
142	Study on movable fluid of low permeability reservoir with NMR technology. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
143	A pressure-decay method to determine influence of a surface-active agent on interface and internal resistances to gas-liquid mass transfer. <i>Chemical Engineering Journal</i> , 2020, 387, 124108.	12.7	2
144	Fractal-Based Production Analysis for Shale Reservoir Considering Vertical Cross-Flow. <i>Fractals</i> , 0, , .	3.7	2

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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.	2.1	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.	3.5	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.	4.2	1
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