

Mingzhe Dong

List of Publications by Year in descending order

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154
papers

5,260
citations

76326

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docs citations

154
times ranked

2965
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Analytical solutions of critical oil film thickness of negative spreading coefficient in a capillary corner. Journal of Petroleum Science and Engineering, 2022, 208, 109263.	4.2	0
3	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
4	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.	4.2	18
5	Review of CO ₂ -kerogen interaction and its effects on enhanced oil recovery and carbon sequestration in shale oil reservoirs. , 2022, 1, 93-113.		9
6	The potential and mechanism of nonionic polyether surfactants dissolved in CO ₂ to improve the miscibility of CO ₂ -hydrocarbon systems. Fuel, 2022, 326, 125012.	6.4	13
7	Molecular dynamics study on the dissolution behaviors of poly(vinyl acetate)-polyether block copolymers in supercritical CO ₂ . Journal of Applied Polymer Science, 2021, 138, 50151.	2.6	3
8	Effect of occurrence states of fluid and pore structures on shale oil movability. Fuel, 2021, 288, 119847.	6.4	32
9	Hydrophobic effect further improves the rheological behaviors and oil recovery of polyacrylamide/nanosilica hybrids at high salinity. Chemical Engineering Science, 2021, 232, 116369.	3.8	18
10	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.	4.2	3
11	Simulation study on dissolved oil release from kerogen and its effect on shale oil production under primary depletion and CO ₂ huff-n-puff. Journal of Petroleum Science and Engineering, 2021, 200, 108239.	4.2	6
12	Mobilization of oil in organic matter and its contribution to oil production during primary production in shale. Fuel, 2021, 287, 119449.	6.4	14
13	Emulsion-assisted thermal recovery method in heterogeneous oilsands reservoir. Journal of Petroleum Science and Engineering, 2021, 197, 108113.	4.2	11
14	Dispersibility of Poly(vinyl acetate) Modified Silica Nanoparticles in Carbon Dioxide with Several Cosolvents. Langmuir, 2021, 37, 655-665.	3.5	3
15	Phase Equilibrium and Density of CO ₂ + Acetic Acid Systems from 308.15 to 338.15 K and 15 to 45 MPa. ACS Omega, 2021, 6, 6663-6673.	3.5	1
16	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
17	Method of determining the cohesion and adhesion parameters in the Shan-Chen multicomponent multiphase lattice Boltzmann models. Computers and Fluids, 2021, 222, 104925.	2.5	4
18	CO ₂ -kerogen interaction dominated CO ₂ -oil counter-current diffusion and its effect on ad-/absorbed oil recovery and CO ₂ sequestration in shale. Fuel, 2021, 294, 120500.	6.4	22

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19	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
20	Effects of temperature and CO ₂ /Brine cycles on CO ₂ drainage endpoint phase mobility – implications for CO ₂ injectivity in deep saline aquifers. International Journal of Greenhouse Gas Control, 2021, 112, 103491.	4.6	4
21	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.	4.2	0
22	Radial Permeability Measurements for Shale Using Variable Pressure Gradients. Acta Geologica Sinica, 2020, 94, 269-279.	1.4	5
23	A model of emulsion plugging ability in sandpicks: Yield pressure drop and consistency parameter. Chemical Engineering Science, 2020, 211, 115248.	3.8	27
24	Enhanced Shale Oil Recovery by the Huff and Puff Method Using CO ₂ and Cosolvent Mixed Fluids. Energy & Fuels, 2020, 34, 1438-1446.	5.1	21
25	Numerical and Experimental Study of Enhanced Shale-Oil Recovery by CO ₂ Miscible Displacement with NMR. Energy & Fuels, 2020, 34, 1524-1536.	5.1	26
26	Numerical and experimental study of oil transfer in laminated shale. International Journal of Coal Geology, 2020, 217, 103365.	5.0	19
27	Density and Viscosity of CO ₂ + 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.	1.9	13
28	Dissolution behaviors of alkyl block polyethers in CO ₂ : Experimental measurements and molecular dynamics simulations. Chemical Engineering Science, 2020, 228, 115953.	3.8	10
29	Experimental Evaluation on the Oil Saturation and Movability in the Organic and Inorganic Matter of Shale. Energy & Fuels, 2020, 34, 8063-8073.	5.1	13
30	Development And Application Of Emulsion-based Conformance Control Method For Enhanced Bitumen Recovery By Steam-assisted Gravity Drainage. , 2020, , .		3
31	A pressure-decay method to determine influence of a surface-active agent on interface and internal resistances to gas–liquid mass transfer. Chemical Engineering Journal, 2020, 387, 124108.	12.7	2
32	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
33	Conformance control in heterogeneous two-dimensional sandpicks by injection of oil-in-water emulsion: Theory and experiments. Fuel, 2020, 273, 117751.	6.4	18
34	Synergy of microbial polysaccharides and branched-preformed particle gel on thickening and enhanced oil recovery. Chemical Engineering Science, 2019, 208, 115138.	3.8	21
35	Adsorption and dissolution behaviors of CO ₂ and n-alkane mixtures in shale: Effects of the alkane type, shale properties and temperature. Fuel, 2019, 253, 1361-1370.	6.4	23
36	A Numerical Study of Initiation and Migration of Trapped Oil in Capillaries with Noncircular Cross Sections. Geofluids, 2019, 2019, 1-9.	0.7	4

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37	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
38	Conformance Control for SAGD Using Oil-in-Water Emulsions in Heterogeneous Oil Sands Reservoirs. , 2019, , .		5
39	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
40	Effects of cosolvent on dissolution behaviors of PVAc in supercritical CO ₂ : A molecular dynamics study. <i>Chemical Engineering Science</i> , 2019, 206, 22-30.	3.8	13
41	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
42	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
43	Determination of inorganic and organic permeabilities of shale. <i>International Journal of Coal Geology</i> , 2019, 215, 103296.	5.0	11
44	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
45	A new model of emulsion flow in porous media for conformance control. <i>Fuel</i> , 2019, 241, 53-64.	6.4	27
46	Effects of Sodium Benzoate and Sodium Chloride on the Aggregation Behaviors of PEO-PPG-PEO and PEO-PPO-PEO at the Air/Water Interface. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 217-228.	2.1	1
47	The effect of viscosity ratio on the dispersal of fracturing fluids into groundwater system. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	0
48	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
49	Phase equilibrium of PVAc-CO ₂ binary systems and PVAc-CO ₂ -Ethanol ternary systems. <i>Fluid Phase Equilibria</i> , 2018, 458, 264-271.	2.5	11
50	Adsorption and Dissolution Behaviors of Carbon Dioxide and <i>n</i> -Dodecane Mixtures in Shale. <i>Energy & Fuels</i> , 2018, 32, 1374-1386.	5.1	21
51	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
52	Phase Behavior for Poly(vinylacetate) + Carbon Dioxide + Cosolvent Ternary Systems. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 187-196.	1.9	9
53	The numerical simulation on swelling factor and extraction rate of a tight crude oil and SC-CO ₂ system. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
54	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

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55	Effect of diutan microbial polysaccharide on the stability and rheological properties of O/W nanoemulsions formed with a blend of Span20-Tween20. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1644-1654.	2.4	10
56	Experimental study and simulation of CO ₂ transfer processes in shale oil reservoir. <i>International Journal of Coal Geology</i> , 2018, 191, 24-36.	5.0	31
57	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
58	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
59	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 & Fuels</i> , 2018, 32, 10628-10638.	5.1	52
60	A Method to Measure Ultralow Permeabilities of Shale Core in Multiple Directions Using Pressure-Pulse Decay Technique. , 2018, , .		4
61	Plugging Ability of Oil-in-Water Emulsions in Porous Media: Experimental and Modeling Study. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14795-14808.	3.7	29
62	Determination of Shale Matrix Permeability through Dynamic Methane Production Experiments Using Variable Pressure Gradients. , 2018, , .		1
63	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
64	Investigation of Pressure Drop of Trapped Oil in Capillaries with Circular Cross-Sections. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13866-13875.	3.7	3
65	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
66	Radial Permeability Measurement for Shale Using Variable Pressure Gradients. , 2018, , .		1
67	Effects of Oil Viscosity on the Plugging Performance of Oil-in-Water Emulsion in Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7301-7309.	3.7	43
68	Study on movable fluid of low permeability reservoir with NMR technology. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
69	Three stages of methane adsorption capacity affected by moisture content. <i>Fuel</i> , 2018, 231, 352-360.	6.4	45
70	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
71	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
72	Liquid permeability of organic nanopores in shale: Calculation and analysis. <i>Fuel</i> , 2017, 202, 426-434.	6.4	68

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73	Investigation of Methane Desorption and Its Effect on the Gas Production Process from Shale: Experimental and Mathematical Study. <i>Energy & Fuels</i> , 2017, 31, 205-216.	5.1	44
74	A Microbial Exopolysaccharide Produced by <i>Sphingomonas</i> Species for Enhanced Heavy Oil Recovery at High Temperature and High Salinity. <i>Energy & Fuels</i> , 2017, 31, 3960-3969.	5.1	60
75	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
76	Mass Transfer of CO ₂ in a Carbonated Water-Oil System at High Pressures. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 404-416.	3.7	30
77	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
78	A new measurement method for radial permeability and porosity of shale. <i>Petroleum Research</i> , 2017, 2, 178-185.	2.7	8
79	The Synergistic Effect of Branched-Preformed Particle Gel and Hydrolyzed Polyacrylamide on Further-Enhanced Oil Recovery after Polymer Flooding. <i>Energy & Fuels</i> , 2017, 31, 7904-7910.	5.1	35
80	Effects of Interfacial Tension and Droplet Size on the Plugging Performance of Oil-in-Water Emulsions in Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9237-9246.	3.7	45
81	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
82	Effects of Operational Parameters on Diffusion Coefficients of CO ₂ in a Carbonated Water-Oil System. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12799-12810.	3.7	9
83	Determination of Mass Transfer Coefficient of Methane in Heavy Oil-Saturated Unconsolidated Porous Media Using Constant-Pressure Technique. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7390-7400.	3.7	8
84	Re-Examination of Fingering in SAGD and ES-SAGD. , 2016, , .		11
85	A Model to Estimate Heat Efficiency in Steam-Assisted Gravity Drainage by Condensate and Initial Water Flow in Oil Sands. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 13147-13156.	3.7	4
86	Experimental and Numerical Investigation of Dynamic Gas Adsorption/Desorption-Diffusion Process in Shale. <i>Energy & Fuels</i> , 2016, 30, 10080-10091.	5.1	48
87	Evaluation of Different Factors on Enhanced Oil Recovery of Heavy Oil Using Different Alkali Solutions. <i>Energy & Fuels</i> , 2016, 30, 3860-3869.	5.1	33
88	Liquid-Liquid Flow in Irregular Triangular Capillaries Under Different Wettabilities and Various Viscosity Ratios. <i>Transport in Porous Media</i> , 2016, 115, 79-100.	2.6	5
89	Experimental investigation of shale gas production with different pressure depletion schemes. <i>Fuel</i> , 2016, 186, 293-304.	6.4	21
90	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

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91	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
92	Novel insights on initial water mobility: Its effects on steam-assisted gravity drainage performance. <i>Fuel</i> , 2016, 174, 274-286.	6.4	10
93	Experimental investigation of gas production processes in shale. <i>International Journal of Coal Geology</i> , 2016, 159, 30-47.	5.0	45
94	A New Foamy Oil-Assisted Methane Huff-N-Puff Method for Enhanced Heavy Oil Recovery in Thin Reservoirs. , 2016, , .		3
95	Measurement of dynamic adsorptionâ€“diffusion process of methane in shale. <i>Fuel</i> , 2016, 172, 37-48.	6.4	94
96	A model of dynamic adsorptionâ€“diffusion for modeling gas transport and storage in shale. <i>Fuel</i> , 2016, 173, 115-128.	6.4	82
97	Wettability Alteration during Low-Salinity Waterflooding and the Relevance of Divalent Ions in This Process. <i>Energy & Fuels</i> , 2016, 30, 72-79.	5.1	56
98	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
99	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
100	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
101	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
102	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
103	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
104	Analysis of steamâ€“solventâ€“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
105	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
106	Prediction of nitrogen diluted CO 2 minimum miscibility pressure for EOR and storage in depleted oil reservoirs. <i>Fuel</i> , 2015, 162, 55-64.	6.4	16
107	Viscosity and rheological behavior of microbubbles in capillary tubes. <i>AIChE Journal</i> , 2014, 60, 2660-2669.	3.6	4
108	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

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109	Enhanced oil recovery by branched-preformed particle gel injection in parallel-sandpack models. <i>Fuel</i> , 2014, 136, 295-306.	6.4	178
110	Effect of PEO-PPO-ph-PPO-PEO and PPO-PEO-ph-PEO-PPO on the Rheological and EOR Properties of Polymer Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4544-4553.	3.7	10
111	Improvement of CO ₂ 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
112	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
113	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
114	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
115	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
116	Dominant Scaling Groups of Polymer Flooding for Enhanced Heavy Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 911-921.	3.7	28
117	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
118	Experimental Study of the Interaction between NaOH, Surfactant, and Polymer in Reducing Court Heavy Oil/Brine Interfacial Tension. <i>Energy & Fuels</i> , 2012, 26, 3644-3650.	5.1	29
119	Displacement mechanisms of enhanced heavy oil recovery by alkaline flooding in a micromodel. <i>Particuology</i> , 2012, 10, 298-305.	3.6	110
120	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
121	Calculation of relative permeability in reservoir engineering using an interacting triangular tube bundle model. <i>Particuology</i> , 2012, 10, 710-721.	3.6	13
122	Permeabilities of tight reservoir cores determined for gaseous and liquid CO ₂ and C ₂ H ₆ using minimum backpressure method. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 5, 1-5.	4.4	34
123	Enhanced Cyclic Solvent Process (ECSP) for Heavy Oil and Bitumen Recovery in Thin Reservoirs. <i>Energy & Fuels</i> , 2012, 26, 2865-2874.	5.1	73
124	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
125	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
126	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

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127	Experimental Study of Diffusive Tortuosity of Liquid-Saturated Consolidated Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 6231-6237.	3.7	32
128	Which One Is More Important in Chemical Flooding for Enhanced Core Heavy Oil Recovery, Lowering Interfacial Tension or Reducing Water Mobility?. <i>Energy & Fuels</i> , 2010, 24, 1829-1836.	5.1	140
129	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
130	Attenuated Wave Field in Fluid-Saturated Porous Medium with Excitations of Multiple Sources. <i>Transport in Porous Media</i> , 2009, 79, 359-375.	2.6	5
131	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
132	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
133	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
134	Determination of Water-in-Oil Emulsion Viscosity in Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7092-7102.	3.7	75
135	Experimental Study of Carbon Dioxide Diffusion in Oil-Saturated Porous Media under Reservoir Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9307-9317.	3.7	81
136	Fluid transfer between tubes in interacting capillary bundle models. <i>Transport in Porous Media</i> , 2008, 71, 115-131.	2.6	14
137	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
138	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
139	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
140	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
141	Transient Natural Convection Induced by Gas Diffusion in Liquid-Saturated Vertical Porous Columns. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3311-3319.	3.7	30
142	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
143	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
144	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

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145	CO2 sequestration in depleted oil and gas reservoirsâ€™ caprock characterization and storage capacity. Energy Conversion and Management, 2006, 47, 1372-1382.	9.2	235
146	Effect of Oil Viscosity on Heavy-Oil/Water Relative Permeability Curves. , 2006, , .		58
147	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.	1.9	28
148	Ball Bearing Remnant Life Prediction of Induction Motors â€™ Impact Inspection Approach. , 2006, , .		0
149	Immiscible Displacement in the Interacting Capillary Bundle Model Part I. Development of Interacting Capillary Bundle Model. Transport in Porous Media, 2005, 59, 1-18.	2.6	62
150	Densities and Solubilities for Binary Systems of Carbon Dioxide + Water and Carbon Dioxide + Brine at 59 Å°C and Pressures to 29 MPa. Journal of Chemical & Engineering Data, 2004, 49, 1026-1031.	1.9	98
151	A comparison of CO2 minimum miscibility pressure determinations for Weyburn crude oil. Journal of Petroleum Science and Engineering, 2001, 31, 13-22.	4.2	123
152	Comparative Effectiveness of CO2, Produced Gas, and Flue Gas for Enhanced Heavy-Oil Recovery. SPE Reservoir Evaluation and Engineering, 1999, 2, 238-247.	1.8	69
153	Characterization of Waterflood Saturation Profile Histories by the â€™Completeâ€™ Capillary Number. Transport in Porous Media, 1998, 31, 213-237.	2.6	59
154	Fractal-Based Production Analysis for Shale Reservoir Considering Vertical Cross-Flow. Fractals, 0, , .	3.7	2