

Cai li Dai

List of Publications by Year in descending order

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218
papers

5,311
citations

87843

38
h-index

143943

57
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221
all docs

221
docs citations

221
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on spontaneous imbibition of recycled fracturing flow-back fluid to enhance oil recovery in low permeability sandstone reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 375-380.	2.1	150
2	Reducing surfactant adsorption on rock by silica nanoparticles for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2017, 153, 283-287.	2.1	131
3	Smart mobility control agent for enhanced oil recovery during CO ₂ flooding in ultra-low permeability reservoirs. <i>Fuel</i> , 2019, 241, 442-450.	3.4	109
4	Study of salt tolerance and temperature resistance of a hydrophobically modified polyacrylamide based novel functional polymer for EOR. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 514, 91-97.	2.3	106
5	Study on the synergy between silica nanoparticles and surfactants for enhanced oil recovery during spontaneous imbibition. <i>Journal of Molecular Liquids</i> , 2018, 261, 373-378.	2.3	104
6	The structure effect on the surface and interfacial properties of zwitterionic sulfobetaine surfactants for enhanced oil recovery. <i>RSC Advances</i> , 2015, 5, 13993-14001.	1.7	102
7	Enhanced foam stability by adding comb polymer gel for in-depth profile control in high temperature reservoirs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 115-124.	2.3	96
8	Study on a Novel Cross-Linked Polymer Gel Strengthened with Silica Nanoparticles. <i>Energy & Fuels</i> , 2017, 31, 9152-9161.	2.5	95
9	Spontaneous Imbibition Investigation of Self-Dispersing Silica Nanofluids for Enhanced Oil Recovery in Low-Permeability Cores. <i>Energy & Fuels</i> , 2017, 31, 2663-2668.	2.5	93
10	Investigation on matching relationship between dispersed particle gel (DPG) and reservoir pore-throats for in-depth profile control. <i>Fuel</i> , 2017, 207, 109-120.	3.4	91
11	Experimental study and application of gels formed by nonionic polyacrylamide and phenolic resin for in-depth profile control. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 552-560.	2.1	88
12	Preparation and application of a novel phenolic resin dispersed particle gel for in-depth profile control in low permeability reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018, 161, 703-714.	2.1	86
13	Experimental study on lateral flooding for enhanced oil recovery in bottom-water reservoir with high water cut. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 747-756.	2.1	83
14	Oil migration in nanometer to micrometer sized pores of tight oil sandstone during dynamic surfactant imbibition with online NMR. <i>Fuel</i> , 2019, 245, 544-553.	3.4	74
15	Investigation of Spontaneous Imbibition by Using a Surfactant-Free Active Silica Water-Based Nanofluid for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2018, 32, 287-293.	2.5	73
16	Development, formation mechanism and performance evaluation of a reusable viscoelastic surfactant fracturing fluid. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 115-122.	2.9	68
17	A novel strengthened dispersed particle gel for enhanced oil recovery application. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 41, 175-182.	2.9	67
18	New insights into the hydroquinone (HQ)–hexamethylenetetramine (HMTA) gel system for water shut-off treatment in high temperature reservoirs. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 20-28.	2.9	64

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19	Stability mechanism of a novel three-Phase foam by adding dispersed particle gel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 214-224.	2.3	64
20	The effect of fluorosurfactant-modified nano-silica on the gas-wetting alteration of sandstone in a CH ₄ -liquid-core system. <i>Fuel</i> , 2016, 178, 163-171.	3.4	62
21	A pH-responsive wormlike micellar system of a noncovalent interaction-based surfactant with a tunable molecular structure. <i>Soft Matter</i> , 2017, 13, 1182-1189.	1.2	61
22	Dispersed Particle Gel-Strengthened Polymer/Surfactant as a Novel Combination Flooding System for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2018, 32, 11317-11327.	2.5	57
23	A study on environment-friendly polymer gel for water shut-off treatments in low-temperature reservoirs. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	55
24	Investigation on Preparation and Profile Control Mechanisms of the Dispersed Particle Gels (DPG) Formed from Phenol-Formaldehyde Cross-linked Polymer Gel. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6284-6292.	1.8	54
25	Study on formation of gels formed by polymer and zirconium acetate. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 392-398.	1.1	53
26	Experimental investigation of spontaneous imbibition process of nanofluid in ultralow permeable reservoir with nuclear magnetic resonance. <i>Chemical Engineering Science</i> , 2019, 201, 212-221.	1.9	52
27	Reutilization of Fracturing Flowback Fluids in Surfactant Flooding for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2015, 29, 2304-2311.	2.5	51
28	Oil detachment mechanism in CO ₂ flooding from silica surface: Molecular dynamics simulation. <i>Chemical Engineering Science</i> , 2017, 164, 17-22.	1.9	50
29	Investigation of Novel Triple-Responsive Wormlike Micelles. <i>Langmuir</i> , 2017, 33, 4319-4327.	1.6	50
30	Experimental Study on the Stabilization Mechanisms of CO ₂ Foams by Hydrophilic Silica Nanoparticles. <i>Energy & Fuels</i> , 2018, 32, 3709-3715.	2.5	48
31	Study on rheology and microstructure of phenolic resin cross-linked nonionic polyacrylamide (NPAM) gel for profile control and water shutoff treatments. <i>Journal of Petroleum Science and Engineering</i> , 2018, 169, 546-552.	2.1	47
32	Preparation of Dispersed Particle Gel (DPG) through a Simple High Speed Shearing Method. <i>Molecules</i> , 2012, 17, 14484-14489.	1.7	46
33	A Novel Nanofluid Based on Fluorescent Carbon Nanoparticles for Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12464-12470.	1.8	46
34	Mussel-inspired superhydrophilic membrane constructed on a hydrophilic polymer network for highly efficient oil/water separation. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 702-710.	5.0	46
35	Characteristics and displacement mechanisms of the dispersed particle gel soft heterogeneous compound flooding system. <i>Petroleum Exploration and Development</i> , 2018, 45, 481-490.	3.0	43
36	Adsorption behavior of cocamidopropyl betaine under conditions of high temperature and high salinity. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	42

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37	Adsorption behaviour of surfactant-nanoparticles at the gas-liquid interface: Influence of the alkane chain length. <i>Chemical Engineering Science</i> , 2019, 206, 203-211.	1.9	41
38	The first study of surface modified silica nanoparticles in pressure-decreasing application. <i>RSC Advances</i> , 2015, 5, 61838-61845.	1.7	39
39	A Study on Preparation and Stabilizing Mechanism of Hydrophobic Silica Nanofluids. <i>Materials</i> , 2018, 11, 1385.	1.3	39
40	A novel CO ₂ and pressure responsive viscoelastic surfactant fluid for fracturing. <i>Fuel</i> , 2018, 229, 79-87.	3.4	39
41	Novel Chemical Flooding System Based on Dispersed Particle Gel Coupling In-Depth Profile Control and High Efficient Oil Displacement. <i>Energy & Fuels</i> , 2019, 33, 3123-3132.	2.5	39
42	Impairment mechanism of thickened supercritical carbon dioxide fracturing fluid in tight sandstone gas reservoirs. <i>Fuel</i> , 2018, 211, 60-66.	3.4	37
43	Assembly of Ultralight Dual Network Graphene Aerogel with Applications for Selective Oil Absorption. <i>Langmuir</i> , 2020, 36, 13698-13707.	1.6	37
44	CO ₂ -responsive smart wormlike micelles based on monomer and "pseudo-gemini" surfactant. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 348-354.	2.9	36
45	Impact of surfactant in fracturing fluid on the adsorption-desorption processes of coalbed methane. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 35-41.	2.1	35
46	Preparation and solution performance for the amphiphilic polymers with different hydrophobic groups. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	35
47	Rheological properties and formation dynamic filtration damage evaluation of a novel nanoparticle-enhanced VES fracturing system constructed with wormlike micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 244-252.	2.3	35
48	Stability Mechanism of Nitrogen Foam in Porous Media with Silica Nanoparticles Modified by Cationic Surfactants. <i>Langmuir</i> , 2018, 34, 8015-8023.	1.6	35
49	Oil extraction mechanism in CO ₂ flooding from rough surface: Molecular dynamics simulation. <i>Applied Surface Science</i> , 2019, 494, 80-86.	3.1	35
50	Investigation on Asphaltene Structures during Venezuela Heavy Oil Hydrocracking under Various Hydrogen Pressures. <i>Energy & Fuels</i> , 2013, 27, 3692-3698.	2.5	34
51	Investigation of the Profile Control Mechanisms of Dispersed Particle Gel. <i>PLoS ONE</i> , 2014, 9, e100471.	1.1	34
52	Development and evaluation of a novel seawater-based viscoelastic fracturing fluid system. <i>Journal of Petroleum Science and Engineering</i> , 2019, 183, 106408.	2.1	34
53	Investigation on bubble snap-off in 3-D pore-throat micro-structures. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 69-74.	2.9	33
54	Can More Nanoparticles Induce Larger Viscosities of Nanoparticle-Enhanced Wormlike Micellar System (NEWMS)? <i>Materials</i> , 2017, 10, 1096.	1.3	33

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55	The use of environmental scanning electron microscopy for imaging the microstructure of gels for profile control and water shutoff treatments. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	32
56	Precisely Tailoring Bubble Morphology in Microchannel by Nanoparticles Self-assembly. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3707-3713.	1.8	32
57	Expandable graphite particles as a novel in-depth steam channeling control agent in heavy oil reservoirs. <i>Chemical Engineering Journal</i> , 2019, 368, 668-677.	6.6	31
58	Chromatography and oil displacement mechanism of a dispersed particle gel strengthened Alkali/Surfactant/Polymer combination flooding system for enhanced oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125642.	2.3	31
59	Enhanced oil recovery mechanism by surfactant-silica nanoparticles imbibition in ultra-low permeability reservoirs. <i>Journal of Molecular Liquids</i> , 2022, 348, 118010.	2.3	31
60	The Study of a Novel Nanoparticle-Enhanced Wormlike Micellar System. <i>Nanoscale Research Letters</i> , 2017, 12, 431.	3.1	30
61	Design and Study of a Novel Thermal-Resistant and Shear-Stable Amphoteric Polyacrylamide in High-Salinity Solution. <i>Polymers</i> , 2017, 9, 296.	2.0	30
62	Study on Performance Evaluation of Dispersed Particle Gel for Improved Oil Recovery. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2013, 135, .	1.4	28
63	Correlated Rectification Transport in Ultranarrow Charged Nanocones. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 435-439.	2.1	28
64	The preparation and spontaneous imbibition of carbon-based nanofluid for enhanced oil recovery in tight reservoirs. <i>Journal of Molecular Liquids</i> , 2020, 313, 113564.	2.3	28
65	Investigation of Preparation and Mechanisms of a Dispersed Particle Gel Formed from a Polymer Gel at Room Temperature. <i>PLoS ONE</i> , 2013, 8, e82651.	1.1	27
66	The role of hydroxyethyl groups in the construction of wormlike micelles in the system of quaternary ammonium surfactant and sodium salicylate. <i>Soft Matter</i> , 2015, 11, 7817-7826.	1.2	27
67	Synthesis, surface adsorption and micelle formation of a class of morpholinium gemini surfactants. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 226-233.	2.9	27
68	Experimental Study on Low Interfacial Tension Foam for Enhanced Oil Recovery in High-Temperature and High-Salinity Reservoirs. <i>Energy & Fuels</i> , 2017, 31, 13416-13426.	2.5	27
69	Gelation Behavior Study of a Resorcinol-Hexamethyleneteramine Crosslinked Polymer Gel for Water Shut-Off Treatment in Low Temperature and High Salinity Reservoirs. <i>Energies</i> , 2017, 10, 913.	1.6	27
70	Adsorption and retention behaviors of heterogeneous combination flooding system composed of dispersed particle gel and surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 250-261.	2.3	27
71	Laboratory experiment on a toluene-polydimethyl silicone thickened supercritical carbon dioxide fracturing fluid. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 369-374.	2.1	27
72	Study on the Reutilization of Clear Fracturing Flowback Fluids in Surfactant Flooding with Additives for Enhanced Oil Recovery (EOR). <i>PLoS ONE</i> , 2014, 9, e113723.	1.1	26

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73	Enhanced Oil Recovery Study of a New Mobility Control System on the Dynamic Imbibition in a Tight Oil Fracture Network Model. <i>Energy & Fuels</i> , 2018, 32, 2908-2915.	2.5	26
74	Experimental study of bubble breakup process in non-Newtonian fluid in 3-D pore-throat microchannels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 535, 130-138.	2.3	25
75	Experimental research of hydroquinone (HQ)/hexamethylene tetramine (HMTA) gel for water plugging treatments in high-temperature and high-salinity reservoirs. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	25
76	Novel high-hydrophilic carbon dots from petroleum coke for boosting injection pressure reduction and enhancing oil recovery. <i>Carbon</i> , 2021, 184, 186-194.	5.4	25
77	Preparation and performance evaluation of an active nanofluid for enhanced oil recovery in ultra-low permeability reservoirs. <i>Journal of Molecular Liquids</i> , 2022, 347, 118331.	2.3	25
78	The effect of functional groups on the sphere-to-wormlike micellar transition in quaternary ammonium surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 500, 32-39.	2.3	24
79	Emulsion behavior control and stability study through decorating silica nano-particle with dimethyldodecylamine oxide at n-heptane/water interface. <i>Chemical Engineering Science</i> , 2018, 179, 73-82.	1.9	24
80	Thermal-resistant, shear-stable and salt-tolerant polyacrylamide/surface-modified graphene oxide composite. <i>Journal of Materials Science</i> , 2019, 54, 14752-14762.	1.7	24
81	A Study on the Morphology of a Dispersed Particle Gel Used as a Profile Control Agent for Improved Oil Recovery. <i>Journal of Chemistry</i> , 2014, 2014, 1-9.	0.9	23
82	Surface properties and adsorption behavior of cocamidopropyl dimethyl amine oxide under high temperature and high salinity conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 450, 93-98.	2.3	23
83	Formation and rheological properties of wormlike micelles by N-hexadecyl-N-methylpiperidinium bromide and sodium salicylate. <i>Colloid and Polymer Science</i> , 2015, 293, 1073-1082.	1.0	23
84	Wettability Alteration Study of Supercritical CO ₂ Fracturing Fluid on Low Permeability Oil Reservoir. <i>Energy & Fuels</i> , 2017, 31, 13364-13373.	2.5	23
85	Preparation of low-temperature expandable graphite as a novel steam plugging agent in heavy oil reservoirs. <i>Journal of Molecular Liquids</i> , 2019, 293, 111535.	2.3	23
86	CO ₂ -controllable smart nanostructured fluids in a pseudo Gemini surfactant system. <i>Journal of Molecular Liquids</i> , 2019, 274, 133-139.	2.3	23
87	Construction of Supramolecular Self-Assembled Microfibers with Fluorescent Properties through a Modified Ionic Self-Assembly (ISA) Strategy. <i>Chemistry - A European Journal</i> , 2013, 19, 1076-1081.	1.7	22
88	pH-switchable wormlike micelle formation by N-alkyl-N-methylpyrrolidinium bromide-based cationic surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 283-289.	2.3	22
89	Synergistic effect of pH-responsive wormlike micelles based on a simple amphiphile. <i>Soft Matter</i> , 2016, 12, 4549-4556.	1.2	22
90	Synthesis and Evaluation of Two Gas-Wetting Alteration Agents for a Shale Reservoir. <i>Energy & Fuels</i> , 2018, 32, 1515-1524.	2.5	21

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91	Interfacial characteristics and the stability mechanism of a dispersed particle gel (DPG) three-phase foam. <i>Journal of Molecular Liquids</i> , 2020, 301, 112425.	2.3	21
92	Experimental evaluation of tight sandstones reservoir flow characteristics under CO ₂ -Brine-Rock multiphase interactions: A case study in the Chang 6 layer, Ordos Basin, China. <i>Fuel</i> , 2022, 309, 122167.	3.4	21
93	Interfacial rheology of a novel dispersed particle gel soft heterogeneous combination flooding system at the oil-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 23-34.	2.3	20
94	Study on a Novel Gelled Foam for Conformance Control in High Temperature and High Salinity Reservoirs. <i>Energies</i> , 2018, 11, 1364.	1.6	20
95	Study on the Reducing Injection Pressure Regulation of Hydrophobic Carbon Nanoparticles. <i>Langmuir</i> , 2020, 36, 3989-3996.	1.6	20
96	Study of pH-responsive surface active ionic liquids: the formation of spherical and wormlike micelles. <i>Colloid and Polymer Science</i> , 2015, 293, 1759-1766.	1.0	19
97	Research on a temporary plugging agent based on polymer gel for reservoir acidification. <i>Journal of Petroleum Exploration and Production</i> , 2016, 6, 465-472.	1.2	19
98	Effects of structural properties of alcohol molecules on decomposition of natural gas hydrates: A molecular dynamics study. <i>Fuel</i> , 2020, 268, 117322.	3.4	19
99	Research on a New Profile Control Agent: Dispersed Particle Gel. , 2011, , .		18
100	Solid-like film formed by nano-silica self-assembly at oil-water interface. <i>Chemical Engineering Science</i> , 2019, 195, 51-61.	1.9	18
101	Dynamic cross-linking mechanism of acid gel fracturing fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125471.	2.3	18
102	A smart recyclable VES fluid for high temperature and high pressure fracturing. <i>Journal of Petroleum Science and Engineering</i> , 2020, 190, 107097.	2.1	18
103	Study of a Novel Self-Thickening Polymer for Improved Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9667-9674.	1.8	17
104	Thermal and pH dual stimulated wormlike micelle in aqueous N-cetyl-N-methylpyrrolidinium bromide cationic surfactant-aromatic dibasic acid system. <i>Colloid and Polymer Science</i> , 2015, 293, 2617-2624.	1.0	17
105	The effect of hydroxyl on the solution behavior of a quaternary ammonium gemini surfactant. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16047-16056.	1.3	17
106	Gated Water Transport through Graphene Nanochannels: From Ionic Coulomb Blockade to Electroosmotic Pump. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17523-17529.	1.5	17
107	Study on the indigenous stabilization mechanism of light crude oil emulsions based on an in situ solvent-dissolution visualization method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 530, 155-163.	2.3	17
108	A Study of the Stability Mechanism of the Dispersed Particle Gel Three-Phase Foam Using the Interfacial Dilational Rheology Method. <i>Materials</i> , 2018, 11, 699.	1.3	17

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109	Viscoelastic Surfactants with High Salt Tolerance, Fast Dissolving Property, and Ultralow Interfacial Tension for Chemical Flooding in Offshore Oilfields. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 475-488.	1.0	17
110	Investigation of cellulose nanofiber enhanced viscoelastic fracturing fluid system: Increasing viscoelasticity and reducing filtration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123938.	2.3	17
111	The investigation of a new moderate water shutoff agent: Cationic polymer and anionic polymer. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	16
112	Rheological characterizations and molecular dynamics simulations of self-assembly in an anionic/cationic surfactant mixture. <i>Soft Matter</i> , 2016, 12, 6058-6066.	1.2	16
113	Permeability evolution study after breaking of friction reducer in near fracture matrix of tight gas reservoir. <i>Fuel</i> , 2017, 204, 63-70.	3.4	16
114	Understanding the temperature resistance performance of a borate cross-linked hydroxypropyl guar gum fracturing fluid based on a facile evaluation method. <i>RSC Advances</i> , 2017, 7, 53290-53300.	1.7	16
115	Core-Shell Nanohydrogels with Programmable Swelling for Conformance Control in Porous Media. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34217-34225.	4.0	16
116	Study on the channel flow control regulation of particle agents in fractured-vuggy carbonate reservoirs via CFD-DEM coupling method. <i>Journal of Petroleum Science and Engineering</i> , 2019, 180, 495-503.	2.1	15
117	A novel strategy to create bifunctional silica-protected quantum dot nanoprobe for fluorescence imaging. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 27-35.	4.0	15
118	Investigation of a novel enhanced stabilized foam: Nano-graphite stabilized foam. <i>Journal of Molecular Liquids</i> , 2021, 343, 117466.	2.3	15
119	Tuning and Designing the Self-Assembly of Surfactants: The Magic of Carbon Nanotube Arrays. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3962-3966.	2.1	14
120	Investigation on the aggregation behavior of photo-responsive system composed of 1-hexadecyl-3-methylimidazolium bromide and 2-methoxycinnamic acid. <i>RSC Advances</i> , 2015, 5, 68369-68377.	1.7	14
121	Evaluation method and treatment effectiveness analysis of anti-water blocking agent. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 1374-1380.	2.1	14
122	Research of phenolic crosslinker gel for profile control and oil displacement in high temperature and high salinity reservoirs. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46075.	1.3	14
123	The effect of supercritical CO ₂ fracturing fluid retention-induced permeability alteration of tight oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 1123-1132.	2.1	14
124	Investigation on flow characteristic of viscoelasticity fluids in pore-throat structure. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 821-832.	2.1	14
125	Self-growing Hydrogel Particles with Applications for Reservoir Control: Growth Behaviors and Influencing Factors. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9870-9878.	1.2	14
126	Multi-Responsive Wormlike Micelles Based on N-alkyl-N-methylpiperidinium Bromide Cationic Surfactant. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 739-746.	1.0	13

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127	Surface adsorption and micelle formation of surfactant N-alkyl-N-methylmorpholinium bromide in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2016, 220, 442-447.	2.3	13
128	Investigation on interfacial/surface properties of bio-based surfactant N -aliphatic amide- N , N -diethoxypropylsulfonate sodium as an oil displacement agent regenerated from waste cooking oil. <i>Journal of Molecular Liquids</i> , 2016, 223, 68-74.	2.3	13
129	Micelle-to-vesicle transition induced by β -cyclodextrin in mixed cationic surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 498, 1-6.	2.3	13
130	The construction of anhydride-modified silica nanoparticles (AMS NPs) strengthened wormlike micelles based on strong electrostatic and hydrogen bonding interactions. <i>Journal of Molecular Liquids</i> , 2019, 277, 372-379.	2.3	13
131	Dynamic imbibition with aid of surfactant in tight oil fracture network model. <i>Journal of Petroleum Science and Engineering</i> , 2020, 193, 107393.	2.1	13
132	Study of Micelle Formation by Fluorocarbon Surfactant N-(2-hydroxypropyl)perfluorooctane Amide in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9922-9928.	1.2	12
133	Formation of Worm-Like Micelles in Mixed N-Hexadecyl-N-Methylpyrrolidinium Bromide-Based Cationic Surfactant and Anionic Surfactant Systems. <i>PLoS ONE</i> , 2014, 9, e102539.	1.1	12
134	Synthesis and application of nonionic polyacrylamide with controlled molecular weight for fracturing in low permeability oil reservoirs. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	12
135	Investigation on a novel photo-responsive system formed by N -methyl- N -cetylpyrrolidinium bromide and ortho -methoxycinnamic. <i>Journal of Molecular Liquids</i> , 2016, 223, 329-334.	2.3	12
136	Investigation on Polymer Reutilization Mechanism of Salt-Tolerant Modified Starch on Offshore Oilfield. <i>Energy & Fuels</i> , 2016, 30, 5585-5592.	2.5	12
137	Experimental study of acrylamide monomer polymer gel for water plugging in low temperature and high salinity reservoir. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2948-2959.	1.2	12
138	CO ₂ -responsive zwitterionic copolymer for effective emulsification and facile demulsification of crude heavy oil. <i>Journal of Molecular Liquids</i> , 2021, 325, 115166.	2.3	12
139	Aggregation Behavior of Long-Chain Piperidinium Ionic Liquids in Ethylammonium Nitrate. <i>Molecules</i> , 2014, 19, 20157-20169.	1.7	11
140	Micelle formation by amine-based CO ₂ -responsive surfactant of imidazoline type in an aqueous solution. <i>Journal of Molecular Liquids</i> , 2018, 268, 875-881.	2.3	11
141	Giant surfactant-stabilized N ₂ -foam for enhanced oil recovery after water flooding. <i>RSC Advances</i> , 2019, 9, 31551-31562.	1.7	11
142	The experimental study of silica nanoparticles strengthened polymer gel system. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 298-305.	1.3	11
143	Formulation and performance evaluation of polymer-thickened supercritical CO ₂ fracturing fluid. <i>Journal of Petroleum Science and Engineering</i> , 2021, 201, 108474.	2.1	11
144	Biomimetic functional hydrogel particles with enhanced adhesion characteristics for applications in fracture conformance control. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 482-491.	2.9	11

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145	The spontaneous imbibition mechanisms for enhanced oil recovery by gel breaking fluid of clean fracturing fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129568.	2.3	11
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