

Cai li Dai

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210
papers

3,299
citations

30
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44
g-index

221
ext. papers

4,333
ext. citations

4.1
avg, IF

5.67
L-index

#	Paper	IF	Citations
210	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	4.4	108
209	Reducing surfactant adsorption on rock by silica nanoparticles for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2017 , 153, 283-287	4.4	91
208	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	3.7	89
207	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	5.1	72
206	Spontaneous Imbibition Investigation of Self-Dispersing Silica Nanofluids for Enhanced Oil Recovery in Low-Permeability Cores. <i>Energy & Fuels</i> , 2017 , 31, 2663-2668	4.1	68
205	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	5.1	68
204	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	6	67
203	Smart mobility control agent for enhanced oil recovery during CO ₂ flooding in ultra-low permeability reservoirs. <i>Fuel</i> , 2019 , 241, 442-450	7.1	67
202	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	4.4	62
201	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	4.4	57
200	Study on a Novel Cross-Linked Polymer Gel Strengthened with Silica Nanoparticles. <i>Energy & Fuels</i> , 2017 , 31, 9152-9161	4.1	55
199	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	7.1	54
198	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	4.4	53
197	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	3.6	52
196	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	6.3	49
195	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	4.1	47
194	A novel strengthened dispersed particle gel for enhanced oil recovery application. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 41, 175-182	6.3	46

193	Study on formation of gels formed by polymer and zirconium acetate. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 392-398	2.3	44
192	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	6.3	44
191	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	7.1	40
190	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	7.1	40
189	Investigation of Novel Triple-Responsive Wormlike Micelles. <i>Langmuir</i> , 2017 , 33, 4319-4327	4	38
188	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	5.1	38
187	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, n/a-n/a	2.9	38
186	Investigation on Preparation and Profile Control Mechanisms of the Dispersed Particle Gels (DPG) Formed from PhenolFormaldehyde Cross-linked Polymer Gel. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6284-6292	3.9	38
185	Dispersed Particle Gel-Strengthened Polymer/Surfactant as a Novel Combination Flooding System for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2018 , 32, 11317-11327	4.1	38
184	Reutilization of Fracturing Flowback Fluids in Surfactant Flooding for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2015 , 29, 2304-2311	4.1	33
183	A Novel Nanofluid Based on Fluorescent Carbon Nanoparticles for Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12464-12470	3.9	32
182	Experimental Study on the Stabilization Mechanisms of CO2 Foams by Hydrophilic Silica Nanoparticles. <i>Energy & Fuels</i> , 2018 , 32, 3709-3715	4.1	31
181	Preparation of dispersed particle gel (DPG) through a simple high speed shearing method. <i>Molecules</i> , 2012 , 17, 14484-9	4.8	31
180	The first study of surface modified silica nanoparticles in pressure-decreasing application. <i>RSC Advances</i> , 2015 , 5, 61838-61845	3.7	29
179	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, n/a-n/a	2.9	29
178	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	4.4	28
177	Adsorption behavior of cocamidopropyl betaine under conditions of high temperature and high salinity. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	28
176	Investigation on Asphaltene Structures during Venezuela Heavy Oil Hydrocracking under Various Hydrogen Pressures. <i>Energy & Fuels</i> , 2013 , 27, 3692-3698	4.1	28

175	Oil detachment mechanism in CO ₂ flooding from silica surface: Molecular dynamics simulation. <i>Chemical Engineering Science</i> , 2017 , 164, 17-22	4.4	27
174	Precisely Tailoring Bubble Morphology in Microchannel by Nanoparticles Self-assembly. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3707-3713	3.9	27
173	Preparation and solution performance for the amphiphilic polymers with different hydrophobic groups. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	25
172	A Study on Preparation and Stabilizing Mechanism of Hydrophobic Silica Nanofluids. <i>Materials</i> , 2018 , 11,	3.5	25
171	Investigation on bubble snap-off in 3-D pore-throat micro-structures. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 54, 69-74	6.3	24
170	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	4.4	24
169	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	4.6	24
168	Design and Study of a Novel Thermal-Resistant and Shear-Stable Amphoteric Polyacrylamide in High-Salinity Solution. <i>Polymers</i> , 2017 , 9,	4.5	24
167	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	6.3	23
166	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,	2.6	23
165	Correlated Rectification Transport in Ultranarrow Charged Nanocones. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 435-439	6.4	22
164	Impairment mechanism of thickened supercritical carbon dioxide fracturing fluid in tight sandstone gas reservoirs. <i>Fuel</i> , 2018 , 211, 60-66	7.1	22
163	Investigation of the profile control mechanisms of dispersed particle gel. <i>PLoS ONE</i> , 2014 , 9, e100471	3.7	22
162	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	2.4	21
161	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, 7817-26	3.6	21
160	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	4.4	21
159	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	14.7	20
158	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	4.4	20

157	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, 1076-81	4.8	20
156	Can More Nanoparticles Induce Larger Viscosities of Nanoparticle-Enhanced Wormlike Micellar System (NEWMS)?. <i>Materials</i> , 2017 , 10,	3.5	20
155	Synthesis and Evaluation of Two Gas-Wetting Alteration Agents for a Shale Reservoir. <i>Energy & Fuels</i> , 2018 , 32, 1515-1524	4.1	19
154	A novel CO ₂ and pressure responsive viscoelastic surfactant fluid for fracturing. <i>Fuel</i> , 2018 , 229, 79-87	7.1	19
153	Wettability Alteration Study of Supercritical CO ₂ Fracturing Fluid on Low Permeability Oil Reservoir. <i>Energy & Fuels</i> , 2017 , 31, 13364-13373	4.1	19
152	The Study of a Novel Nanoparticle-Enhanced Wormlike Micellar System. <i>Nanoscale Research Letters</i> , 2017 , 12, 431	5	19
151	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	3.1	19
150	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	3.7	19
149	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	5.1	19
148	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	4.1	18
147	Synergistic effect of pH-responsive wormlike micelles based on a simple amphiphile. <i>Soft Matter</i> , 2016 , 12, 4549-56	3.6	18
146	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	5.1	18
145	CO ₂ -responsive smart wormlike micelles based on monomer and pseudogemini surfactant. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 60, 348-354	6.3	17
144	Stability Mechanism of Nitrogen Foam in Porous Media with Silica Nanoparticles Modified by Cationic Surfactants. <i>Langmuir</i> , 2018 , 34, 8015-8023	4	17
143	Development and evaluation of a novel seawater-based viscoelastic fracturing fluid system. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 183, 106408	4.4	17
142	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	4.1	17
141	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	3.7	17
140	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	5.1	17

139	Characteristics and displacement mechanisms of the dispersed particle gel soft heterogeneous compound flooding system. <i>Petroleum Exploration and Development</i> , 2018 , 45, 481-490	4.5	17
138	Oil extraction mechanism in CO ₂ flooding from rough surface: Molecular dynamics simulation. <i>Applied Surface Science</i> , 2019 , 494, 80-86	6.7	16
137	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	5.1	16
136	Study of a Novel Self-Thickening Polymer for Improved Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 9667-9674	3.9	15
135	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	5.1	15
134	Assembly of Ultralight Dual Network Graphene Aerogel with Applications for Selective Oil Absorption. <i>Langmuir</i> , 2020 , 36, 13698-13707	4	15
133	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	5.1	14
132	Thermal-resistant, shear-stable and salt-tolerant polyacrylamide/surface-modified graphene oxide composite. <i>Journal of Materials Science</i> , 2019 , 54, 14752-14762	4.3	14
131	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,	2.9	14
130	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	6.4	14
129	CO ₂ -controllable smart nanostructured fluids in a pseudo Gemini surfactant system. <i>Journal of Molecular Liquids</i> , 2019 , 274, 133-139	6	14
128	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	4.1	13
127	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	1.9	13
126	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	5.1	13
125	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	8.5	13
124	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	5.1	13
123	Permeability evolution study after breaking of friction reducer in near fracture matrix of tightgas reservoir. <i>Fuel</i> , 2017 , 204, 63-70	7.1	12
122	The effect of hydroxyl on the solution behavior of a quaternary ammonium gemini surfactant. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16047-16056	3.6	12

121	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	2.4	12
120	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	2.4	12
119	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	4.4	12
118	Gated Water Transport through Graphene Nanochannels: From Ionic Coulomb Blockade to Electroosmotic Pump. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17523-17529	3.8	12
117	Interfacial characteristics and the stability mechanism of a dispersed particle gel (DPG) three-phase foam. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112425	6	12
116	Investigation on Polymer Reutilization Mechanism of Salt-Tolerant Modified Starch on Offshore Oilfield. <i>Energy & Fuels</i> , 2016 , 30, 5585-5592	4.1	11
115	Rheological characterizations and molecular dynamics simulations of self-assembly in an anionic/cationic surfactant mixture. <i>Soft Matter</i> , 2016 , 12, 6058-66	3.6	11
114	Micelle-to-vesicle transition induced by Cyclodextrin in mixed catanionic surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 498, 1-6	5.1	11
113	Study of micelle formation by fluorocarbon surfactant N-(2-hydroxypropyl)perfluorooctane amide in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 9922-8	3.4	11
112	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	2.2	11
111	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	6	11
110	Solid-like film formed by nano-silica self-assembly at oil/water interface. <i>Chemical Engineering Science</i> , 2019 , 195, 51-61	4.4	11
109	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	3.7	10
108	Multi-Responsive Wormlike Micelles Based on N-alkyl-N-Methylpiperidinium Bromide Cationic Surfactant. <i>Journal of Surfactants and Detergents</i> , 2015 , 18, 739-746	1.9	10
107	Evaluation method and treatment effectiveness analysis of anti-water blocking agent. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 33, 1374-1380	4.6	10
106	Study on a Novel Gelled Foam for Conformance Control in High Temperature and High Salinity Reservoirs. <i>Energies</i> , 2018 , 11, 1364	3.1	10
105	Aggregation behavior of long-chain piperidinium ionic liquids in ethylammonium nitrate. <i>Molecules</i> , 2014 , 19, 20157-69	4.8	10
104	The investigation of a new moderate water shutoff agent: Cationic polymer and anionic polymer. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	10

103	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	2.3	10
102	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	3.7	10
101	Research on a New Profile Control Agent: Dispersed Particle Gel 2011 ,		10
100	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	5.1	10
99	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	5.1	9
98	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	6	9
97	Effects of structural properties of alcohol molecules on decomposition of natural gas hydrates: A molecular dynamics study. <i>Fuel</i> , 2020 , 268, 117322	7.1	9
96	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,	3.5	9
95	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	4.4	9
94	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	6	9
93	Phase behavior of a nonaqueous ternary microemulsion containing ethylammonium nitrate, TX-100, and cyclohexane. <i>Colloid and Polymer Science</i> , 2015 , 293, 1475-1481	2.4	8
92	A smart recyclable VES fluid for high temperature and high pressure fracturing. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 190, 107097	4.4	8
91	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	3.7	8
90	Construction and performance evaluation of a highly efficient mixed foaming system. <i>RSC Advances</i> , 2015 , 5, 27978-27985	3.7	8
89	Investigation on the phase behaviors of aqueous surfactant two-phase systems in a mixture of N-dodecyl-N-methylpiperidinium bromide (C12MDB) and sodium dodecyl sulfate (SDS). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 468, 322-326	5.1	8
88	CO ₂ -responsive zwitterionic copolymer for effective emulsification and facile demulsification of crude heavy oil. <i>Journal of Molecular Liquids</i> , 2021 , 325, 115166	6	8
87	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	6	7
86	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	6	7

85	Giant surfactant-stabilized N-foam for enhanced oil recovery after water flooding.. <i>RSC Advances</i> , 2019 , 9, 31551-31562	3.7	7
84	Investigation on flow characteristic of viscoelasticity fluids in pore-throat structure. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 174, 821-832	4.4	7
83	The effect of supercritical CO2 fracturing fluid retention-induced permeability alteration of tight oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 171, 1123-1132	4.4	7
82	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	9.3	7
81	Studies on the synthesis, surface activity and the ability to form pH-regulated wormlike micelles with surfactant containing carboxyl group. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113182	6	6
80	Core-Shell Nanohydrogels with Programmable Swelling for Conformance Control in Porous Media. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34217-34225	9.5	6
79	Micelle formation by amine-based CO2-responsive surfactant of imidazoline type in an aqueous solution. <i>Journal of Molecular Liquids</i> , 2018 , 268, 875-881	6	6
78	The mechanism difference between CO and pH stimuli for a dual responsive wormlike micellar system. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 19900-19905	3.6	6
77	Highly Efficient Nano Boron Crosslinker for Low-Polymer Loading Fracturing Fluid System 2017 ,		6
76	Study of the formation and solution properties of worm-like micelles formed using both N-hexadecyl-N-methylpiperidinium bromide-based cationic surfactant and anionic surfactant. <i>PLoS ONE</i> , 2014 , 9, e110155	3.7	6
75	The construction of anhydride-modified silica nanoparticles (AMSNPs) strengthened wormlike micelles based on strong electrostatic and hydrogen bonding interactions. <i>Journal of Molecular Liquids</i> , 2019 , 277, 372-379	6	6
74	Study on the Reducing Injection Pressure Regulation of Hydrophobic Carbon Nanoparticles. <i>Langmuir</i> , 2020 , 36, 3989-3996	4	6
73	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	2.9	6
72	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	1.6	6
71	Dynamic imbibition with aid of surfactant in tight oil fracture network model. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 193, 107393	4.4	5
70	Synthesis and application of nonionic polyacrylamide with controlled molecular weight for fracturing in low permeability oil reservoirs. <i>Journal of Applied Polymer Science</i> , 2014 , 132, n/a-n/a	2.9	5
69	Tuning the self-assembly of surfactants by the confinement of carbon nanotube arrays: a cornucopia of lamellar phase variants. <i>Nanoscale</i> , 2015 , 7, 6069-74	7.7	5
68	Dynamic cross-linking mechanism of acid gel fracturing fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 607, 125471	5.1	5

67	Formulation and performance evaluation of polymer-thickened supercritical CO ₂ fracturing fluid. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 201, 108474	4.4	5
66	The experimental study of silica nanoparticles strengthened polymer gel system. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 298-305	1.5	5
65	Effect of Silica Nanoparticles on Wormlike Micelles with Different Entanglement Degrees. <i>Journal of Surfactants and Detergents</i> , 2019 , 22, 587-595	1.9	4
64	Mechanism of the Wettability Impact on Surfactant Imbibition in Dodecane-Saturated Tight Sandstone. <i>Energy & Fuels</i> , 2020 , 34, 6862-6870	4.1	4
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