

# Yujun Feng

## List of Publications by Citations

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164  
papers

5,928  
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41  
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178  
ext. papers

6,877  
ext. citations

5.2  
avg, IF

6.31  
L-index

#	Paper	IF	Citations
164	Oil/water separation with selective superantiwetting/superwetting surface materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2328-38	16.4	861
163	Smart wormlike micelles. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 7174-203	58.5	352
162	CO <sub>2</sub> -switchable viscoelastic fluids based on a pseudogemini surfactant. <i>Langmuir</i> , <b>2013</b> , 29, 4187-92	4	176
161	pH-switchable wormlike micelles. <i>Chemical Communications</i> , <b>2010</b> , 46, 9028-30	5.8	169
160	Interaction between proteins and cationic gemini surfactant. <i>Biomacromolecules</i> , <b>2007</b> , 8, 708-12	6.9	149
159	Hydrophobically associating polyacrylamides and their partially hydrolyzed derivatives prepared by post-modification. 2. Properties of non-hydrolyzed polymers in pure water and brine. <i>Polymer</i> , <b>2005</b> , 46, 9283-9295	3.9	136
158	Amination of activated carbon for enhancing phenol adsorption: Effect of nitrogen-containing functional groups. <i>Applied Surface Science</i> , <b>2014</b> , 293, 299-305	6.7	134
157	Wormlike micelles and solution properties of a C22-tailed amidosulfobetaine surfactant. <i>Langmuir</i> , <b>2010</b> , 26, 7783-91	4	133
156	Hydrophobically associating polyacrylamides and their partially hydrolyzed derivatives prepared by post-modification. 1. Synthesis and characterization. <i>Polymer</i> , <b>2002</b> , 43, 2055-2064	3.9	130
155	CO <sub>2</sub> -switchable wormlike micelles. <i>Chemical Communications</i> , <b>2013</b> , 49, 4902-4	5.8	125
154	CO <sub>2</sub> -Responsive polymer materials. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 12-23	4.9	120
153	Thermo-switchable surfactant gel. <i>Chemical Communications</i> , <b>2011</b> , 47, 7191-3	5.8	113
152	Temperature-Driven Planar Chirality Switching of a Pillar[5]arene-Based Molecular Universal Joint. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6869-6873	16.4	103
151	Aqueous Hybrids of Silica Nanoparticles and Hydrophobically Associating Hydrolyzed Polyacrylamide Used for EOR in High-Temperature and High-Salinity Reservoirs. <i>Energies</i> , <b>2014</b> , 7, 3858-3871	3.7	101
150	Smart wormlike micelles switched by CO <sub>2</sub> and air. <i>Soft Matter</i> , <b>2013</b> , 9, 6217	3.6	99
149	Wormlike micelles formed by sodium erucate in the presence of a tetraalkylammonium hydrotrope. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6893-902	3.4	98
148	CO(2) -responsive "smart" single-walled carbon nanotubes. <i>Advanced Materials</i> , <b>2013</b> , 25, 584-90	24	94

147	Thermally induced structural transitions from fluids to hydrogels with pH-switchable anionic wormlike micelles. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 319-28	9.3	85
146	A novel smart polymer responsive to CO <sub>2</sub> . <i>Chemical Communications</i> , <b>2011</b> , 47, 9348-50	5.8	82
145	Comparative Studies on Enhanced Oil Recovery: Thermoviscosifying Polymer Versus Polyacrylamide. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2479-2487	4.1	76
144	pH-Tunable wormlike micelles based on an ultra-long-chain "pseudo" gemini surfactant. <i>Soft Matter</i> , <b>2015</b> , 11, 4614-20	3.6	68
143	CO <sub>2</sub> -Responsive microemulsion: reversible switching from an apparent single phase to near-complete phase separation. <i>Green Chemistry</i> , <b>2016</b> , 18, 392-396	10	67
142	Thermoviscosifying polymer used for enhanced oil recovery: rheological behaviors and core flooding test. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 391-401	2.4	67
141	Aggregation behaviors of gelatin with cationic gemini surfactant at air/water interface. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 345-50	7.9	59
140	Effects of NaCl on steady rheological behaviour in aqueous solutions of hydrophobically modified polyacrylamide and its partially hydrolyzed analogues prepared by post-modification. <i>Polymer International</i> , <b>2002</b> , 51, 939-947	3.3	54
139	Empirical correlations between Krafft temperature and tail length for amidosulfobetaine surfactants in the presence of inorganic salt. <i>Langmuir</i> , <b>2012</b> , 28, 1175-81	4	53
138	Switching wormlike micelles of selenium-containing surfactant using redox reaction. <i>Soft Matter</i> , <b>2015</b> , 11, 7469-73	3.6	50
137	Enhancing rheological properties of hydrophobically associative polyacrylamide aqueous solutions by hybridizing with silica nanoparticles. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	48
136	Green Anionic wormlike micelles induced by choline. <i>RSC Advances</i> , <b>2012</b> , 2, 3396	3.7	48
135	Rheological Properties of Thermoviscosifying Polymers in High-temperature and High-salinity Environments. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1194-1200	2.3	47
134	CO <sub>2</sub> -induced smart viscoelastic fluids based on mixtures of sodium erucate and triethylamine. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 447, 173-81	9.3	46
133	pH-Switchable and self-healable hydrogels based on ketone type acylhydrazone dynamic covalent bonds. <i>Soft Matter</i> , <b>2017</b> , 13, 7371-7380	3.6	46
132	Biodegradability enhancement of coking wastewater by catalytic wet air oxidation using aminated activated carbon as catalyst. <i>Chemical Engineering Journal</i> , <b>2012</b> , 198-199, 45-51	14.7	46
131	Vegetable-Derived Long-Chain Surfactants Synthesized via a Green Route. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 75-79	8.3	46
130	CO <sub>2</sub> -driven vesicle to micelle regulation of amphiphilic copolymer: random versus block strategy. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4756-4763	4.9	45

129	Amidosulfobetaine surfactant gels with shear banding transitions. <i>Soft Matter</i> , <b>2010</b> , 6, 6065	3.6	45
128	Effect of a Hydrophilic Head Group on Krafft Temperature, Surface Activities and Rheological Behaviors of Erucyl Amidobetaines. <i>Journal of Surfactants and Detergents</i> , <b>2014</b> , 17, 295-301	1.9	43
127	Synthesis and Surface Activities of Amidobetaine Surfactants with Ultra-long Unsaturated Hydrophobic Chains. <i>Journal of Surfactants and Detergents</i> , <b>2012</b> , 15, 657-661	1.9	42
126	Novel biodegradable flocculating agents prepared by phosphate modification of Konjac. <i>Carbohydrate Polymers</i> , <b>2007</b> , 67, 566-571	10.3	42
125	Stimuli-responsive polymer wormlike micelles. <i>Progress in Polymer Science</i> , <b>2019</b> , 89, 108-132	29.6	42
124	CO <sub>2</sub> -responsive anionic wormlike micelles based on natural erucic acid. <i>Green Materials</i> , <b>2014</b> , 2, 95-103	3.2	41
123	Dilational rheological properties of gemini surfactant 1,2-ethane bis(dimethyl dodecyl ammonium bromide) at air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 299, 117-123	5.1	40
122	High-concentration silver colloid stabilized by a cationic gemini surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 429, 98-105	5.1	39
121	Effect of SiO <sub>2</sub> Nanoparticles on Wax Crystallization and Flow Behavior of Model Crude Oil. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6563-6568	3.9	39
120	CO <sub>2</sub> -switchable multi-compartment micelles with segregated corona. <i>Soft Matter</i> , <b>2014</b> , 10, 6387-91	3.6	37
119	CO <sub>2</sub> -sensitive foams for mobility control and channeling blocking in enhanced WAG process. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 102, 234-243	5.5	36
118	Light-Switchable Single-Walled Carbon Nanotubes Based on Host-Guest Chemistry. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5010-5018	15.6	36
117	CO <sub>2</sub> -Induced Tunable and Reversible Surface Wettability of Honeycomb Structured Porous Films for Cell Adhesion. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500623	4.6	36
116	Efficient degradation of fulvic acids in water by catalytic ozonation with CeO <sub>2</sub> /AC. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1402-1409	3.5	34
115	Association and effective hydrodynamic thickness of hydrophobically associating polyacrylamide through porous media. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 1837-1843	2.9	34
114	Wormlike micelles versus water-soluble polymers as rheology-modifiers: similarities and differences. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 24458-24466	3.6	33
113	Comparative Study on Enhancing Oil Recovery under High Temperature and High Salinity: Polysaccharides Versus Synthetic Polymer. <i>ACS Omega</i> , <b>2019</b> , 4, 10620-10628	3.9	31
112	Oil solubilization in sodium dodecylbenzenesulfonate micelles: New insights into surfactant enhanced oil recovery. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 569, 219-228	9.3	31

111	Single-component wormlike micellar system formed by a carboxylbetaine surfactant with C22 saturated tail. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 436, 71-79	5.1	31
110	Effect of inorganic salts on viscosifying behavior of a thermoassociative water-soluble terpolymer based on 2-acrylamido-methylpropane sulfonic acid. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 4041-4048	2.8	30
109	Temperature-Driven Planar Chirality Switching of a Pillar[5]arene-Based Molecular Universal Joint. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6973-6977	3.6	28
108	CO <sub>2</sub> -induced reversible morphology transition from giant worms to polymersomes assembled from a block-random segmented copolymer. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 2900-2908	4.9	28
107	Synthesis and Properties of Alkylbetaine Zwitterionic Gemini Surfactants. <i>Journal of Surfactants and Detergents</i> , <b>2010</b> , 13, 51-57	1.9	27
106	Aging mechanism of unsaturated long-chain amidosulfobetaine worm fluids at high temperature. <i>Soft Matter</i> , <b>2011</b> , 7, 4485	3.6	26
105	Visualizing in-situ emulsification in porous media during surfactant flooding: A microfluidic study. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 578, 629-640	9.3	25
104	Macroporous monoliths with pH-induced switchable wettability for recyclable oil separation and recovery. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 534, 183-194	9.3	25
103	CO-Triggered microreactions in liquid marbles. <i>Chemical Communications</i> , <b>2018</b> , 54, 9119-9122	5.8	24
102	Giant Microgels with CO-Induced On-Off, Selective, and Recyclable Adsorption for Anionic Dyes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38073-38083	9.5	24
101	Preparation and antimicrobial properties of gemini surfactant-supported triiodide complex system. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2116-23	9.5	23
100	Synthesis and Aggregation Behaviors of Well-Defined Thermo-responsive Pentablock Terpolymers With Tunable LCST. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1489-1498	2.6	23
99	Novel biodegradable flocculating agents prepared by grafting polyacrylamide to Konjac. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 2527-2536	2.9	23
98	Solvent-Driven Formation of Worm-Like Micelles Assembled from a CO <sub>2</sub> -Responsive Triblock Copolymer. <i>Langmuir</i> , <b>2015</b> , 31, 8756-63	4	22
97	CO-switchable foams stabilized by a long-chain viscoelastic surfactant. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 523, 65-74	9.3	22
96	Functionalization of multi-walled carbon nanotubes with thermo-responsive azide-terminated poly(N-isopropylacrylamide) via click reactions. <i>Molecules</i> , <b>2013</b> , 18, 4599-612	4.8	22
95	Comparative study on interaction of bovine serum albumin with dissymmetric and symmetric gemini surfactant by spectral method. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 225-230	2.4	22
94	Dual dynamic bonds enable biocompatible and tough hydrogels with fast self-recoverable, self-healable and injectable properties. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124282	14.7	21

93	Synthesis and surface properties of PDMS $\beta$ crylate emulsion with gemini surfactant as co-emulsifier. <i>Colloid and Polymer Science</i> , <b>2007</b> , 285, 923-930	2.4	21
92	Direct visualization of microstructures in hydrophobically modified polyacrylamide aqueous solution by environmental scanning electron microscopy. <i>Polymer International</i> , <b>2002</b> , 51, 931-938	3.3	21
91	Adsorption of dissymmetric cationic gemini surfactants at silica/water interface. <i>Surface Science</i> , <b>2007</b> , 601, 1988-1995	1.8	19
90	Functionalization of single-walled carbon nanotubes with thermo-responsive poly(N-isopropylacrylamide): effect of the polymer architecture. <i>RSC Advances</i> , <b>2016</b> , 6, 37953-37964	3.7	19
89	Wormlike Micelles of a Cationic Surfactant in Polar Organic Solvents: Extending Surfactant Self-Assembly to New Systems and Subzero Temperatures. <i>Langmuir</i> , <b>2019</b> , 35, 12782-12791	4	18
88	Study on Associative Polymerizable Inverse Microemulsion. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2008</b> , 45, 372-380	2.2	18
87	Thermoviscosifying Smart Polymers for Oil and Gas Production: State of the Art. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1941-1955	3.2	18
86	CO <sub>2</sub> -Breathing Polymer Assemblies via One-Pot Sequential RAFT Dispersion Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800291	4.8	17
85	Net Contribution of Hydrophobic Association to the Thickening Power of Hydrophobically Modified Polyelectrolytes Prepared by Micellar Polymerization. <i>Macromolecules</i> , <b>2020</b> , 53, 1326-1337	5.5	16
84	Insights into the relationship between CO <sub>2</sub> switchability and basicity: examples of melamine and its derivatives. <i>Langmuir</i> , <b>2014</b> , 30, 9911-9	4	16
83	A novel thermoviscosifying water-soluble polymer: Synthesis and aqueous solution properties. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, NA-NA	2.9	16
82	Effect of counterion size on wormlike micelles formed by a C22-tailed anionic surfactant. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 508-514	6	16
81	CO <sub>2</sub> -responsive polyacrylamide microspheres with interpenetrating networks. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 497, 249-257	9.3	15
80	Enhancing oil recovery from low-permeability reservoirs with a self-adaptive polymer: A proof-of-concept study. <i>Fuel</i> , <b>2019</b> , 251, 136-146	7.1	15
79	Organocatalytic enantioselective Michael addition of a kojic acid derivative to nitro olefins. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 2950-4	3.9	15
78	Laboratory Study on the Potential EOR Use of HPAM/VES Hybrid in High-Temperature and High-Salinity Oil Reservoirs. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-8	2.3	15
77	A New Cationic Gemini Surfactant: Synthesis and Surface Activities. <i>Journal of Surfactants and Detergents</i> , <b>2011</b> , 14, 73-76	1.9	15
76	A Facile Route towards the Preparation of Ultra-Long-Chain Amidosulfobetaine Surfactants. <i>Synlett</i> , <b>2009</b> , 2009, 2655-2658	2.2	15

75	CO <sub>2</sub> -Induced Reversible Dispersion of Graphene by a Melamine Derivative. <i>Langmuir</i> , <b>2015</b> , 31, 12260-7	4	14
74	Retention Behaviors of Hydrophobically Associating Polyacrylamide Prepared via Inverse Microemulsion Polymerization Through Porous Media. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 602-607	2.2	14
73	Stimuli-responsive microemulsions: State-of-the-art and future prospects. <i>Current Opinion in Colloid and Interface Science</i> , <b>2020</b> , 49, 27-41	7.6	12
72	CO <sub>2</sub> -Driven reversible wettability in a reactive hierarchically patterned bio-inspired honeycomb film. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3751-3757	4.9	11
71	Micellar Aggregation Behavior of Alkylaryl Sulfonate Surfactants for Enhanced Oil Recovery. <i>Molecules</i> , <b>2019</b> , 24,	4.8	11
70	Thermoviscosifying polymers based on polyether prepared from inverse emulsion polymerization. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46696	2.9	11
69	Condensate Oil-Tolerant Foams Stabilized by an Anionic-Sulfobetaine Surfactant Mixture. <i>ACS Omega</i> , <b>2019</b> , 4, 1738-1747	3.9	10
68	Synthesis and aqueous solution properties of homologous gemini surfactants with different head groups. <i>Open Chemistry</i> , <b>2007</b> , 5, 620-634	1.6	10
67	Effect of nitrogen doping on the catalytic activity of activated carbon and distribution of oxidation products in catalytic wet oxidation of phenol. <i>Canadian Journal of Chemical Engineering</i> , <b>2017</b> , 95, 1518-1525	2.3	9
66	Modified acrylic-based superabsorbents with hydrophobic monomers: synthesis, characterization and swelling behaviors. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 897-905	2.7	9
65	Hydrophobically Associating Polyacrylamides Prepared by Inverse Suspension Polymerization: Synthesis, Characterization and Aqueous Solution Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 358-367	2.2	9
64	Direct formation of hydrophilic honeycomb film by self-assembly in breath figure templating of hydrophobic polylactacid/ionic surfactant complexes. <i>Soft Matter</i> , <b>2019</b> , 15, 5052-5059	3.6	8
63	Cryogenic wormlike micelles. <i>Soft Matter</i> , <b>2019</b> , 15, 2511-2516	3.6	8
62	Dispersion of single-walled carbon nanotubes in aqueous solution with a thermo-responsive pentablock terpolymer. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 281-289	2.4	8
61	A Novel Thermoviscosifying Water-Soluble Polymer for Enhancing Oil Recovery from High-Temperature and High-Salinity Oil Reservoirs. <i>Advanced Materials Research</i> , <b>2011</b> , 306-307, 654-657	0.5	8
60	Synthesis, characterization and X-ray crystal structures of lithium coordination polymer from cyclobutane-1,1-dicarboxylic acid. <i>Inorganic Chemistry Communication</i> , <b>2007</b> , 10, 77-79	3.1	8
59	Directed Self-Assembly in "Breath Figure" Templating of Melamine-Based Amphiphilic Copolymers: Effect of Hydrophilic End-Chain on Honeycomb Film Formation and Wetting. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 425-433	4.8	8
58	Oppositely Charged Polyelectrolyte Complexes for High-Salinity Hydrofracking Fluid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18488-18497	3.9	7

57	Cryogenic viscoelastic surfactant fluids: Fabrication and application in a subzero environment. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 551, 89-100	9.3	7
56	Flower-Like Multicompartment Micelles with Janus-Core Self-Assembled from Fluorocarbon-Terminated Pluronics. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700558	2.6	7
55	The Thermoviscosifying Behavior of Water-Soluble Polymer Based on Graft Polymerization of Pluronic F127 with Acrylamide and 2-Acrylamido-2-methylpropane Sulfonic Acid Sodium Salt. <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
54	In-Situ Formation of Viscoelastic Wormlike Micelles in Mixtures of Non-Surface-Active Compounds. <i>Journal of Surfactants and Detergents</i> , <b>2015</b> , 18, 189-198	1.9	7
53	Organocatalytic Synthesis of Enantioenriched $\beta$ -Arylsplitomicins. <i>Synlett</i> , <b>2012</b> , 23, 796-800	2.2	7
52	Shear Banding Transition of Wormlike Micelles Formed by a C22-Tailed Cationic Surfactant. <i>Acta Chimica Sinica</i> , <b>2012</b> , 70, 1551	3.3	7
51	Synthesis and self-assembly of ABC linear triblock copolymers to target CO <sub>2</sub> -responsive multicompartment micelles. <i>RSC Advances</i> , <b>2016</b> , 6, 86728-86735	3.7	7
50	Effect of residual chemicals on wormlike micelles assembled from a C-tailed cationic surfactant. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 91-98	9.3	6
49	Correlating surface activity with structural and environmental parameters for alkylamidodisulfobetaine surfactants. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 957-963	2.4	6
48	CO <sub>2</sub> -Induced Morphological Transition of Co-Assemblies from Block-Random Segmented Polymers. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700437	4.8	6
47	CO <sub>2</sub> -switchable polymer-hybrid silver nanoparticles and their gas-tunable catalytic activity. <i>RSC Advances</i> , <b>2017</b> , 7, 49777-49786	3.7	6
46	Oligomeric cationic surfactants prepared from surfmers via ATRP: Synthesis and surface activities. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 101-110	2.4	6
45	CO <sub>2</sub> -Triggered ON/OFF Wettability Switching on Bioinspired Polylactic Acid Porous Films for Controllable Bioadhesion. <i>Biomacromolecules</i> , <b>2021</b> , 22, 1721-1729	6.9	6
44	Micellar solubilization of petroleum fractions by heavy alkylbenzene sulfonate surfactant. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 329, 115519	6	6
43	A CO <sub>2</sub> -switchable amidine monomer: synthesis and characterization. <i>Designed Monomers and Polymers</i> , <b>2017</b> , 20, 363-367	3.1	5
42	Polyether-Based Thermoviscosifying Polymers for Enhanced Oil Recovery: Emulsion versus Powder. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2824-2831	4.1	5
41	ANALYSIS OF PHENOLS AND OXIDATION INTERMEDIATES IN COKING WASTEWATER BY HPLC. <i>Journal of the Chilean Chemical Society</i> , <b>2018</b> , 63, 4032-4035	2.5	5
40	CO <sub>2</sub> switchable hollow nanospheres. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 522, 10-19	9.3	4



39	Deep insights into the hydrolysis of N,N-dialkylaminoethyl methacrylates in aqueous solution with <sup>1</sup> H NMR spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 914-923	2.6	4
38	Gas-Induced Reversible Dispersion/Aggregation of Graphene. <i>ChemNanoMat</i> , <b>2015</b> , 1, 438-444	3.5	4
37	Swollen Surfactant Micelles: Properties and Applications. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2019</b> , 35, 816-828	3.8	4
36	Enhancing Oil Recovery by Low Concentration of Alkylaryl Sulfonate Surfactant without Ultralow Interfacial Tension. <i>Journal of Surfactants and Detergents</i> , <b>2021</b> , 24, 669-681	1.9	4
35	Dependence of intrinsic viscosity and molecular size on molecular weight of partially hydrolyzed polyacrylamide. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50850	2.9	4
34	Smart graphene dispersion stabilized by a CO <sub>2</sub> -removable polymer. <i>RSC Advances</i> , <b>2016</b> , 6, 79943-79951	3.7	4
33	Enhancing oil recovery from high-temperature and high-salinity reservoirs with smart thermoviscosifying polymers: A laboratory study. <i>Fuel</i> , <b>2021</b> , 288, 119777	7.1	4
32	Hydrophobically Associating Polymer Water-in-Oil Emulsions Used in Multi-pad Fracking for Tight Oil Reservoir: The First Example in China <b>2017</b> ,		3
31	Photoinitiated TERP Emulsion Polymerization: A New Member of the Large Family of Preparation Approaches for CO <sub>2</sub> -Switchable Latexes. <i>Macromolecules</i> , <b>2020</b> , 53, 6018-6023	5.5	3
30	Synthesis and Aqueous Solution Properties of Polyoxyethylene Surfactants with Ultra-Long Unsaturated Hydrophobic Chains. <i>Journal of Dispersion Science and Technology</i> , <b>2013</b> , 34, 504-510	1.5	3
29	Solution Association Characterization of Hydrophobically Associating Polyacrylamide Obtained from Produced Fluids. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 423-428 <sup>2.2</sup>		3
28	Smart Honeycomb-Patterned Porous Films: Fabrications, Responsive Properties, and Applications. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2019</b> , 35, 1341-1356	3.8	3
27	Hydrophilic modification of methylcellulose to obtain thermoviscosifying polymers without macro-phase separation. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117792	10.3	3
26	Thermo- and CO <sub>2</sub> -triggered swelling polymer microgels for reducing water-cut during CO <sub>2</sub> flooding. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48305	2.9	3
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24	Swelling behaviours of styrene- <i>b</i> -isoprene- <i>b</i> -styrene triblock copolymers in supercritical methane. <i>Plastics, Rubber and Composites</i> , <b>2018</b> , 47, 365-372	1.5	2
23	Hydrolysable preformed gels for conformance control in oilwells: Properties and degradation. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45413	2.9	2
22	Rheology and phase behavior of thermo-reversible pentablock terpolymer hydrogel. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 1335-1342	2.6	2

21	Synthesis and monolayer film of a series of new twin-tailed gemini cationic surfactants at the air/water interface. <i>Open Chemistry</i> , <b>2008</b> , 6, 477-481	1.6	2
20	Wormlike micelles formed by ultra-long-chain nonionic surfactant. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 1295-1304	2.4	2
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18	Smart viscoelastic anion polyelectrolyte fluids crosslinked by CO <sub>2</sub> . <i>Journal of Molecular Liquids</i> , <b>2021</b> , 325, 114656	6	2
17	Smart thermoviscosifying polymer for improving drag reduction in slick-water hydrofracking. <i>Fuel</i> , <b>2020</b> , 278, 118408	7.1	1
16	Preparation and stabilization of silver nanoparticles by a thermo-responsive pentablock terpolymer. <i>Polymer Science - Series B</i> , <b>2013</b> , 55, 634-642	0.8	1
15	Synthesis and evaluation of a composite crosslinked copolymer as a particulate fluid diversion agent. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 4429-4433	2.9	1
14	In situ crosslinked weak gels with ultralong and tunable gelation times for improving oil recovery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134350	14.7	1
13	Thermo- and CO <sub>2</sub> -triggered viscosifying of aqueous copolymer solutions for gas channeling control during water-alternating-CO <sub>2</sub> flooding. <i>Fuel</i> , <b>2021</b> , 291, 120171	7.1	1
12	Deliquification of Low-Productivity Natural Gas Wells with In Situ Generated Foams and Heat. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9873-9882	4.1	1
11	Reversible Stability of Emulsion and Polymer Latex Controlled by Oligochitosan and CO <sub>2</sub> . <i>Polymers</i> , <b>2018</b> , 10,	4.5	1
10	Hydrophobically modified melamine-formaldehyde sponge used for conformance control and water shutoff during oil production. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51416	2.9	1
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2	Smart Nanotubes: Light-Switchable Single-Walled Carbon Nanotubes Based on Host-Guest Chemistry (Adv. Funct. Mater. 40/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5009-5009	15.6	
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