Jian-zhong Jiang

List of Publications by Citations

54 papers	1,308 citations	20 h-index	35 g-index
58 ext. papers	1,609 ext. citations	4.8 avg, IF	4.91 L-index

#	Paper	IF	Citations
54	Switchable pickering emulsions stabilized by silica nanoparticles hydrophobized in situ with a switchable surfactant. *Angewandte Chemie - International Edition*, **2013**, 52, 12373-6	16.4	130
53	pH-Responsive Pickering Emulsions Stabilized by Silica Nanoparticles in Combination with a Conventional Zwitterionic Surfactant. *Langmuir*, **2017**, 33, 2296-2305	4	102
52	Switchable Pickering emulsions stabilized by silica nanoparticles hydrophobized in situ with a conventional cationic surfactant. *Langmuir*, **2015**, 31, 3301-7	4	97
51	Pickering Emulsions Responsive to CO2/N2 and Light Dual Stimuli at Ambient Temperature. *Langmuir*, **2016**, 32, 8668-75	4	66
50	Thermoresponsive Pickering Emulsions Stabilized by Silica Nanoparticles in Combination with Alkyl Polyoxyethylene Ether Nonionic Surfactant. *Langmuir*, **2017**, 33, 5724-5733	4	61
49	Switchable Pickering Emulsions Stabilized by Silica Nanoparticles Hydrophobized In Situ with a Switchable Surfactant. *Angewandte Chemie*, **2013**, 125, 12599-12602	3.6	51
48	Responsive aqueous foams stabilised by silica nanoparticles hydrophobised in situ with a switchable surfactant. *Soft Matter*, **2014**, 10, 9739-45	3.6	49
47	Responsive Aqueous Foams Stabilized by Silica Nanoparticles Hydrophobized in Situ with a Conventional Surfactant. *Langmuir*, **2015**, 31, 12937-43	4	47
46	Novel Oil-in-Water Emulsions Stabilised by Ionic Surfactant and Similarly Charged Nanoparticles at Very Low Concentrations. *Angewandte Chemie - International Edition*, **2018**, 57, 7738-7742	16.4	47
45	Photoresponsive Foams Generated by a Rigid Surfactant Derived from Dehydroabietic Acid. *Langmuir*, **2017**, 33, 7908-7916	4	44
44	Synthesis of Didodecylmethylcarboxyl Betaine and Its Application in Surfactant–Polymer Flooding. *Journal of Surfactants and Detergents*, **2012**, 15, 685	1.9	44
43	Biphasic biocatalysis using a CO2-switchable Pickering emulsion. *Green Chemistry*, **2019**, 21, 4062-4068	10	39
42	CO2/N2 triggered switchable Pickering emulsions stabilized by alumina nanoparticles in combination with a conventional anionic surfactant. *RSC Advances*, **2017**, 7, 29742-29751	3.7	30
41	A New Type of Sulfobetaine Surfactant with Double Alkyl Polyoxyethylene Ether Chains for Enhanced Oil Recovery. *Journal of Surfactants and Detergents*, **2016**, 19, 967-977	1.9	29
40	Merging visible-light photoredox and micellar catalysis: arylation reactions with anilines nitrosated in situ. *Catalysis Science and Technology*, **2018**, 8, 3728-3732	5.5	29
39	Switchable Oil-in-Water Emulsions Stabilized by Like-Charged Surfactants and Particles at Very Low Concentrations. *Langmuir*, **2019**, 35, 4058-4067	4	27
38	Synthesis of N-(3-Oxapropanoxyl)dodecanamide and its Application in Surfactant-Polymer Flooding. *Journal of Surfactants and Detergents*, **2011**, 14, 317-324	1.9	26

37	Responsive, switchable wormlike micelles for CO/N and redox dual stimuli based on selenium-containing surfactants. *Soft Matter*, **2017**, 13, 6458-6464	3.6	26
36	Novel Oil-in-Water Emulsions Stabilised by Ionic Surfactant and Similarly Charged Nanoparticles at Very Low Concentrations. *Angewandte Chemie*, **2018**, 130, 7864-7868	3.6	23
35	Synthesis of CdS nanoparticles in switchable surfactant reverse micelles. *Chemical Communications*, **2013**, 49, 1912-4	5.8	22
34	Smart worm-like micelles responsive to CO/N and light dual stimuli. *Soft Matter*, **2017**, 13, 2727-2732	3.6	20
33	Smart foams based on dual stimuli-responsive surfactant. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 513, 287-291	5.1	20
32	New Series of Double-Chain Single-Head Nonionic Surfactants: 1,3-Dialkyl Glyceryl Ether Ethoxylates for Surfactant□Polymer Flooding. *Energy & Fuels*, **2017**, 31, 3821-3829	4.1	19
31	Redox-Responsive Pickering Emulsions Stabilized by Silica Nanoparticles and Ferrocene Surfactants at a Very Low Concentration. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15904-15912	8.3	19
30	Structure and stabilization mechanism of diesel oil-in-water emulsions stabilized solely by either positively or negatively charged nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 573, 30-39	5.1	18
29	Performances of Guerbet Alcohol Ethoxylates for Surfactant□Polymer Flooding Free of Alkali. *Energy & Fuels*, **2017**, 31, 9319-9327	4.1	18
28	Dioctyl Glyceryl Ether Ethoxylates as Surfactants for Surfactant□Polymer Flooding. *Energy & Fuels*, **2016**, 30, 5425-5431	4.1	17
27	Light and CO/N dual stimuli-responsive wormlike micelles based on a zwitterionic surfactant and an azobenzene surfactant. *Soft Matter*, **2018**, 14, 773-779	3.6	16
26	Dual stimuli-responsive wormlike micelles base on cationic azobenzene surfactant and sodium azophenol. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 543, 155-162	5.1	13
25	Charge-Reversible Surfactant-Induced Transformation Between Oil-in-Dispersion Emulsions and Pickering Emulsions. *Angewandte Chemie - International Edition*, **2021**, 60, 11793-11798	16.4	13
24	A New Series of Double-Chain Single-Head Sulfobetaine Surfactants Derived from 1,3-Dialkyl Glyceryl Ether for Reducing Crude Oil/Water Interfacial Tension. *Journal of Surfactants and Detergents*, **2019**, 22, 47-60	1.9	13
23	Heterogeneous Cyanation Reaction of Aryl Halides Catalyzed by a Reusable Palladium Schiff Base Complex in Water. *Catalysis Letters*, **2013**, 143, 1195-1199	2.8	12
22	Palladium nanoparticles anchored on amphiphilic Janus-type cellulose nanocrystals for Pickering interfacial catalysis. *Chemical Communications*, **2020**, 56, 9396-9399	5.8	12
21	Pickering emulsions of alumina nanoparticles and bola-type selenium surfactant yield a fully recyclable aqueous phase. *Green Chemistry*, **2020**, 22, 5470-5475	10	10
20	Redox-Responsive Oil-In-Dispersion Emulsions Stabilized by Similarly Charged Ferrocene Surfactants and Alumina Nanoparticles. *Langmuir*, **2020**, 36, 14589-14596	4	9

19	Behavior of Smart Surfactants in Stabilizing pH-Responsive Emulsions. *Angewandte Chemie - International Edition*, **2021**, 60, 5235-5239	16.4	9
18	Morphology and size control of calcium carbonate crystallized in a reverse micelle system with switchable surfactants. *RSC Advances*, **2015**, 5, 80216-80219	3.7	8
17	Improving performances of double-chain single-head surfactants for SP flooding by combining with conventional anionic surfactants. *Journal of Dispersion Science and Technology*, **2018**, 39, 130-137	1.5	8
16	Transition between a Pickering Emulsion and an Oil-in-Dispersion Emulsion Costabilized by Alumina Nanoparticles and a Cationic Surfactant. *Langmuir*, **2020**, 36, 15543-15551	4	8
15	Surface and interfacial properties of 1,3-dialkyl glyceryl ether hydroxypropyl sulfonates as surfactants for enhanced oil recovery. *Journal of Dispersion Science and Technology*, **2018**, 39, 1335-1343	1.5	8
14	Amphiphilic cellulose supported PdNi alloy nanoparticles towards biofuel upgrade under mild conditions. *Catalysis Communications*, **2019**, 122, 43-46	3.2	6
13	Synthesis of a new sulfobetaine surfactant with double long alkyl chains and its performances in surfactant-polymer flooding. *Journal of Dispersion Science and Technology*, **2018**, 39, 1185-1191	1.5	6
12	Inhibiting hydrophobization of sandstones via adsorption of alkyl carboxyl betaines in SP flooding by using gentle alkali. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 535, 75-82	5.1	6
11	A redox-responsive organogel based on a selenium-containing low molecular mass gelator. *New Journal of Chemistry*, **2020**, 44, 24-28	3.6	5
10	pH and Redox Dual-Stimulated Wormlike Micelles Based on Cystamine and Conventional Anionic Surfactant. *Langmuir*, **2019**, 35, 15242-15248	4	4
9	Regioselective Nitration of Phenols in O/W Microemulsion by NaNO3 and Dilute Sulfuric Acid. *Journal of Dispersion Science and Technology*, **2014**, 35, 524-527	1.5	4
8	Charge-Reversible Surfactant-Induced Transformation Between Oil-in-Dispersion Emulsions and Pickering Emulsions. *Angewandte Chemie*, **2021**, 133, 11899-11904	3.6	4
7	Conversion of bile salts from inferior emulsifier to efficient smart emulsifier assisted by negatively charged nanoparticles at low concentrations. *Chemical Science*, **2021**, 12, 11845-11850	9.4	4
6	pH-Responsive Behavior of Pickering Emulsions Stabilized by a Selenium-Containing Surfactant and Alumina Nanoparticles. *Langmuir*, **2021**, 37, 10683-10691	4	4
5	Regioselective Nitration of Phenols by NaNO3 in Microemulsion. *Journal of Dispersion Science and Technology*, **2010**, 32, 125-127	1.5	2
4	CO2-switchable oil-in-dispersion emulsions stabilized by tertiary amine surfactant and alumina particles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 641, 128541	5.1	1
3	Behavior of Smart Surfactants in Stabilizing pH-Responsive Emulsions. *Angewandte Chemie*, **2021**, 133, 5295-5299	3.6	0
2	Facile synthesis of mesoporous silica by CO2/N2 switchable templates using a convenient compound. *RSC Advances*, **2017**, 7, 25066-25069	3.7	

1	Redox and pH dual-stimuli responsive wormlike micelles based on CTAB and sodium dithiodibenzoate. *Journal of Dispersion Science and Technology*,1-9	1.5