

Jian-zhong Jiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	CO ₂ -switchable oil-in-dispersion emulsions stabilized by tertiary amine surfactant and alumina particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128541	5.1	1
53	Charge-Reversible Surfactant-Induced Transformation Between Oil-in-Dispersion Emulsions and Pickering Emulsions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11793-11798	16.4	13
52	Charge-Reversible Surfactant-Induced Transformation Between Oil-in-Dispersion Emulsions and Pickering Emulsions. <i>Angewandte Chemie</i> , 2021 , 133, 11899-11904	3.6	4
51	Behavior of Smart Surfactants in Stabilizing pH-Responsive Emulsions. <i>Angewandte Chemie</i> , 2021 , 133, 5295-5299	3.6	0
50	Behavior of Smart Surfactants in Stabilizing pH-Responsive Emulsions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5235-5239	16.4	9
49	Conversion of bile salts from inferior emulsifier to efficient smart emulsifier assisted by negatively charged nanoparticles at low concentrations. <i>Chemical Science</i> , 2021 , 12, 11845-11850	9.4	4
48	pH-Responsive Behavior of Pickering Emulsions Stabilized by a Selenium-Containing Surfactant and Alumina Nanoparticles. <i>Langmuir</i> , 2021 , 37, 10683-10691	4	4
47	Redox-Responsive Oil-In-Dispersion Emulsions Stabilized by Similarly Charged Ferrocene Surfactants and Alumina Nanoparticles. <i>Langmuir</i> , 2020 , 36, 14589-14596	4	9
46	Transition between a Pickering Emulsion and an Oil-in-Dispersion Emulsion Costabilized by Alumina Nanoparticles and a Cationic Surfactant. <i>Langmuir</i> , 2020 , 36, 15543-15551	4	8
45	A redox-responsive organogel based on a selenium-containing low molecular mass gelator. <i>New Journal of Chemistry</i> , 2020 , 44, 24-28	3.6	5
44	Pickering emulsions of alumina nanoparticles and bola-type selenium surfactant yield a fully recyclable aqueous phase. <i>Green Chemistry</i> , 2020 , 22, 5470-5475	10	10
43	Palladium nanoparticles anchored on amphiphilic Janus-type cellulose nanocrystals for Pickering interfacial catalysis. <i>Chemical Communications</i> , 2020 , 56, 9396-9399	5.8	12
42	Redox-Responsive Pickering Emulsions Stabilized by Silica Nanoparticles and Ferrocene Surfactants at a Very Low Concentration. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15904-15912	8.3	19
41	Biphasic biocatalysis using a CO ₂ -switchable Pickering emulsion. <i>Green Chemistry</i> , 2019 , 21, 4062-4068	10	39
40	Structure and stabilization mechanism of diesel oil-in-water emulsions stabilized solely by either positively or negatively charged nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 573, 30-39	5.1	18
39	Amphiphilic cellulose supported PdNi alloy nanoparticles towards biofuel upgrade under mild conditions. <i>Catalysis Communications</i> , 2019 , 122, 43-46	3.2	6
38	pH and Redox Dual-Stimulated Wormlike Micelles Based on Cystamine and Conventional Anionic Surfactant. <i>Langmuir</i> , 2019 , 35, 15242-15248	4	4

37	Switchable Oil-in-Water Emulsions Stabilized by Like-Charged Surfactants and Particles at Very Low Concentrations. <i>Langmuir</i> , 2019 , 35, 4058-4067	4	27
36	A New Series of Double-Chain Single-Head Sulfobetaine Surfactants Derived from 1,3-Dialkyl Glyceryl Ether for Reducing Crude Oil/Water Interfacial Tension. <i>Journal of Surfactants and Detergents</i> , 2019 , 22, 47-60	1.9	13
35	Novel Oil-in-Water Emulsions Stabilised by Ionic Surfactant and Similarly Charged Nanoparticles at Very Low Concentrations. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7738-7742	16.4	47
34	Dual stimuli-responsive wormlike micelles base on cationic azobenzene surfactant and sodium azophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 543, 155-162	5.1	13
33	Light and CO/N dual stimuli-responsive wormlike micelles based on a zwitterionic surfactant and an azobenzene surfactant. <i>Soft Matter</i> , 2018 , 14, 773-779	3.6	16
32	Novel Oil-in-Water Emulsions Stabilised by Ionic Surfactant and Similarly Charged Nanoparticles at Very Low Concentrations. <i>Angewandte Chemie</i> , 2018 , 130, 7864-7868	3.6	23
31	Improving performances of double-chain single-head surfactants for SP flooding by combining with conventional anionic surfactants. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 130-137	1.5	8
30	Synthesis of a new sulfobetaine surfactant with double long alkyl chains and its performances in surfactant-polymer flooding. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1185-1191	1.5	6
29	Surface and interfacial properties of 1,3-dialkyl glyceryl ether hydroxypropyl sulfonates as surfactants for enhanced oil recovery. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1335-1343	1.5	8
28	Merging visible-light photoredox and micellar catalysis: arylation reactions with anilines nitrosated in situ. <i>Catalysis Science and Technology</i> , 2018 , 8, 3728-3732	5.5	29
27	Smart worm-like micelles responsive to CO/N and light dual stimuli. <i>Soft Matter</i> , 2017 , 13, 2727-2732	3.6	20
26	pH-Responsive Pickering Emulsions Stabilized by Silica Nanoparticles in Combination with a Conventional Zwitterionic Surfactant. <i>Langmuir</i> , 2017 , 33, 2296-2305	4	102
25	CO ₂ /N ₂ triggered switchable Pickering emulsions stabilized by alumina nanoparticles in combination with a conventional anionic surfactant. <i>RSC Advances</i> , 2017 , 7, 29742-29751	3.7	30
24	Thermoresponsive Pickering Emulsions Stabilized by Silica Nanoparticles in Combination with Alkyl Polyoxyethylene Ether Nonionic Surfactant. <i>Langmuir</i> , 2017 , 33, 5724-5733	4	61
23	New Series of Double-Chain Single-Head Nonionic Surfactants: 1,3-Dialkyl Glyceryl Ether Ethoxylates for Surfactant Polymer Flooding. <i>Energy & Fuels</i> , 2017 , 31, 3821-3829	4.1	19
22	Photoresponsive Foams Generated by a Rigid Surfactant Derived from Dehydroabiatic Acid. <i>Langmuir</i> , 2017 , 33, 7908-7916	4	44
21	Performances of Guerbet Alcohol Ethoxylates for Surfactant Polymer Flooding Free of Alkali. <i>Energy & Fuels</i> , 2017 , 31, 9319-9327	4.1	18
20	Facile synthesis of mesoporous silica by CO ₂ /N ₂ switchable templates using a convenient compound. <i>RSC Advances</i> , 2017 , 7, 25066-25069	3.7	

19	Smart foams based on dual stimuli-responsive surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 513, 287-291	5.1	20
18	Inhibiting hydrophobization of sandstones via adsorption of alkyl carboxyl betaines in SP flooding by using gentle alkali. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 535, 75-82	5.1	6
17	Responsive, switchable wormlike micelles for CO ₂ /N ₂ and redox dual stimuli based on selenium-containing surfactants. <i>Soft Matter</i> , 2017 , 13, 6458-6464	3.6	26
16	Pickering Emulsions Responsive to CO ₂ /N ₂ and Light Dual Stimuli at Ambient Temperature. <i>Langmuir</i> , 2016 , 32, 8668-75	4	66
15	Diocetyl Glyceryl Ether Ethoxylates as Surfactants for Surfactant-Polymer Flooding. <i>Energy & Fuels</i> , 2016 , 30, 5425-5431	4.1	17
14	A New Type of Sulfobetaine Surfactant with Double Alkyl Polyoxyethylene Ether Chains for Enhanced Oil Recovery. <i>Journal of Surfactants and Detergents</i> , 2016 , 19, 967-977	1.9	29
13	Switchable Pickering emulsions stabilized by silica nanoparticles hydrophobized in situ with a conventional cationic surfactant. <i>Langmuir</i> , 2015 , 31, 3301-7	4	97
12	Morphology and size control of calcium carbonate crystallized in a reverse micelle system with switchable surfactants. <i>RSC Advances</i> , 2015 , 5, 80216-80219	3.7	8
11	Responsive Aqueous Foams Stabilized by Silica Nanoparticles Hydrophobized in Situ with a Conventional Surfactant. <i>Langmuir</i> , 2015 , 31, 12937-43	4	47
10	Regioselective Nitration of Phenols in O/W Microemulsion by NaNO ₃ and Dilute Sulfuric Acid. <i>Journal of Dispersion Science and Technology</i> , 2014 , 35, 524-527	1.5	4
9	Responsive aqueous foams stabilised by silica nanoparticles hydrophobised in situ with a switchable surfactant. <i>Soft Matter</i> , 2014 , 10, 9739-45	3.6	49
8	Synthesis of CdS nanoparticles in switchable surfactant reverse micelles. <i>Chemical Communications</i> , 2013 , 49, 1912-4	5.8	22
7	Heterogeneous Cyanation Reaction of Aryl Halides Catalyzed by a Reusable Palladium Schiff Base Complex in Water. <i>Catalysis Letters</i> , 2013 , 143, 1195-1199	2.8	12
6	Switchable pickering emulsions stabilized by silica nanoparticles hydrophobized in situ with a switchable surfactant. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12373-6	16.4	130
5	Switchable Pickering Emulsions Stabilized by Silica Nanoparticles Hydrophobized In Situ with a Switchable Surfactant. <i>Angewandte Chemie</i> , 2013 , 125, 12599-12602	3.6	51
4	Synthesis of Didodecylmethylcarboxyl Betaine and Its Application in Surfactant-Polymer Flooding. <i>Journal of Surfactants and Detergents</i> , 2012 , 15, 685	1.9	44
3	Synthesis of N-(3-Oxapropanoxyl)dodecanamide and its Application in Surfactant-Polymer Flooding. <i>Journal of Surfactants and Detergents</i> , 2011 , 14, 317-324	1.9	26
2	Regioselective Nitration of Phenols by NaNO ₃ in Microemulsion. <i>Journal of Dispersion Science and Technology</i> , 2010 , 32, 125-127	1.5	2

- 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