

Dejun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,590
citations

304602

22
h-index

302012

39
g-index

49
all docs

49
docs citations

49
times ranked

2320
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexavalent chromium removal from aqueous solution by adsorption on aluminum magnesium mixed hydroxide. <i>Water Research</i> , 2009, 43, 3067-3075.	5.3	263
2	An efficient hydrogen evolution catalyst composed of palladium phosphorous sulphide ($\text{PdP}_{0.33}\text{S}_{1.67}$) and twin nanocrystal $\text{Zn}_{0.5}\text{Cd}_{0.5}\text{S}$ solid solution with both homo- and hetero-junctions. <i>Energy and Environmental Science</i> , 2017, 10, 225-235.	15.6	169
3	Adsorption of p-nitrophenol from aqueous solutions using nanographite oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 464, 78-88.	2.3	126
4	Nanoemulsion formation by the phase inversion temperature method using polyoxypropylene surfactants. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 177-184.	5.0	78
5	Adjuvants and delivery systems based on polymeric nanoparticles for mucosal vaccines. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118731.	2.6	73
6	Highly effective emulsification/demulsification with a CO_2 -switchable superamphiphile. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 198-204.	5.0	65
7	Effective removal of emulsified oil from oily wastewater using surfactant-modified sepiolite. <i>Applied Clay Science</i> , 2018, 157, 227-236.	2.6	56
8	Applications of polymer-based nanoparticles in vaccine field. <i>Nanotechnology Reviews</i> , 2019, 8, 143-155.	2.6	54
9	Swelling Inhibition by Polyglycols in Montmorillonite Dispersions. <i>Journal of Dispersion Science and Technology</i> , 2004, 25, 63-66.	1.3	53
10	pH Switchable Emulsions Based on Dynamic Covalent Surfactants. <i>Langmuir</i> , 2017, 33, 3040-3046.	1.6	51
11	CO_2 -responsive aqueous foams stabilized by pseudogemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 381-388.	5.0	49
12	CO_2 -responsive O/W microemulsions prepared using a switchable superamphiphile assembled by electrostatic interactions. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 595-604.	5.0	45
13	Lamellar phase in colloidal suspensions of positively charged LDHs platelets. <i>Soft Matter</i> , 2005, 1, 428.	1.2	42
14	Fabrication of chitosan/magnetite-graphene oxide composites as a novel bioadsorbent for adsorption and detoxification of Cr(VI) from aqueous solution. <i>Scientific Reports</i> , 2018, 8, 15397.	1.6	41
15	Influence of Emulsification Process on the Properties of Pickering Emulsions Stabilized by Layered Double Hydroxide Particles. <i>Langmuir</i> , 2015, 31, 4619-4626.	1.6	39
16	Dynamic Covalent Silica Nanoparticles for pH-Switchable Pickering Emulsions. <i>Langmuir</i> , 2018, 34, 5798-5806.	1.6	38
17	A fatty acid solvent of switchable miscibility. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 645-651.	5.0	35
18	CO_2 -responsive surfactants with tunable switching pH. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 185-195.	5.0	35

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19	Temperature and CO ₂ Dual-Responsive Pickering Emulsions Using Jeffamine M2005-Modified Cellulose Nanocrystals. <i>Langmuir</i> , 2019, 35, 13663-13670.	1.6	32
20	Effect of cetyltrimethylammonium bromide addition on the emulsions stabilized by montmorillonite. <i>Colloid and Polymer Science</i> , 2014, 292, 441-447.	1.0	26
21	Removal of ampicillin sodium in solution using activated carbon adsorption integrated with H ₂ O ₂ oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 623-628.	1.6	25
22	Surface Decorating of CH ₃ NH ₃ PbBr ₃ Nanoparticles with the Chemically Adsorbed Perylenetetracarboxylic Diimide. <i>Langmuir</i> , 2016, 32, 3294-3299.	1.6	25
23	Methyl-grafted silica nanoparticle stabilized water-in-oil Pickering emulsions with low-temperature stability. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 501-509.	5.0	20
24	High temperature stable W/O emulsions prepared with in-situ hydrophobically modified rodlike sepiolite. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 378-384.	5.0	17
25	pH-Responsive Nanoemulsions Based on a Dynamic Covalent Surfactant. <i>Nanomaterials</i> , 2021, 11, 1390.	1.9	15
26	CO ₂ responsive emulsions stabilized with fatty acid soaps in NaCl brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 571, 134-141.	2.3	14
27	Rapid removal and recovery of emulsified oil from ASP produced water using in situ formed magnesium hydroxide. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 539-548.	1.2	13
28	Hospitalization Due to Asthma Exacerbation: A China Asthma Research Network (CARN) Retrospective Study in 29 Provinces Across Mainland China. <i>Allergy, Asthma and Immunology Research</i> , 2020, 12, 485.	1.1	13
29	Viscosity reduction of extra-heavy oil using toluene in water emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 560, 252-259.	2.3	8
30	Dynamic Covalent Nanoparticles for Acid-Responsive Nonaqueous Pickering Emulsions. <i>Langmuir</i> , 2021, 37, 6632-6640.	1.6	7
31	Stress proteins, nonribosomal peptide synthetases, and polyketide synthases regulate carbon sources-mediated bio-demulsifying mechanisms of nitrate-reducing bacterium <i>Gordonia</i> sp. TD-4. <i>Journal of Hazardous Materials</i> , 2022, 422, 126900.	6.5	7
32	Bio-augmentation with dissimilatory nitrate reduction to ammonium (DNRA) driven sulfide-oxidizing bacteria enhances the durability of nitrate-mediated souring control. <i>Water Research</i> , 2022, 219, 118556.	5.3	7
33	Superwetting TiO ₂ -decorated single-walled carbon nanotube composite membrane for highly efficient oil-in-water emulsion separation. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2054-2063.	1.2	6
34	Effect of liquid paraffin on the stability of aqueous foam in the presence and absence of electrolytes. <i>Colloid and Polymer Science</i> , 2010, 288, 1271-1280.	1.0	5
35	Cd ²⁺ -Counterion-Assisted Synthesis of Uniform CdS Nanospheres Capped with the Anionic Surfactant Sodium dodecylsulfate. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 76-83.	1.3	5
36	Aggregation and deposition of in situ formed colloidal particles in the presence of polyelectrolytes. <i>Soft Matter</i> , 2017, 13, 1539-1547.	1.2	5

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37	Combined effects of polymer/surfactant mixtures on dynamic interfacial properties. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 489-501.	0.8	5
38	Microheterogeneity and CO ₂ Switchability of N,N-Dimethylcyclohexylamine-Water Binary Mixtures. Journal of Physical Chemistry B, 2019, 123, 3096-3102.	1.2	5
39	Experimental Study of Gravitation Effects on Liquid Crystal Phase Transitions in Polydisperse Aqueous Suspensions of Mg ₂ Al Layered Double Hydroxide. Microgravity Science and Technology, 2016, 28, 95-100.	0.7	4
40	Fabrication of Magnetite-Graphene Oxide/MgAl-Layered Double Hydroxide Composites for Efficient Removal of Emulsified Oils from Various Oil-in-Water Emulsions. Journal of Chemical & Engineering Data, 2018, , .	1.0	4
41	Mechanism of high temperature induced destabilization of nonpolar organoclay suspension. Journal of Colloid and Interface Science, 2019, 555, 53-63.	5.0	3
42	Changes of flooding reagents' properties under simulated high temperature/pressure conditions in oil reservoirs and their impact on emulsion stability. RSC Advances, 2019, 9, 16044-16048.	1.7	2
43	Effective treatment of simulated ASP flooding produced water by modified perlite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 634, 127952.	2.3	2
44	Efficient remediation of crude oil-contaminated soil using a solvent/surfactant system. , 0, .		1
45	Utilization Phase Transition Component Method to Prepare Specially Functionalized Nanoemulsion by Adding Resveratrol/Phenethyl Resorcinol Mixed Active Components and Application in Free Radicals Removal. Journal of Nanoscience and Nanotechnology, 2020, 20, 7769-7774.	0.9	1
46	Associations between comorbidities and annual incidence plus frequency of asthma exacerbation hospitalisation during the past year: data from CARN study. BMC Pulmonary Medicine, 2022, 22, .	0.8	1
47	Study and Application of Positive Sol Drilling Fluid. , 1995, , .		0
48	Spontaneous Nanotube Formation in Aqueous Mixture of Cationic Surfactant and Anionic Flat Compound. Journal of Dispersion Science and Technology, 2011, 32, 667-671.	1.3	0
49	Time-Dependent Structural Transitions in Ternary Mixture of TTAB/PBSS/TX-100. Soft Materials, 2014, 12, 352-358.	0.8	0