Weihong Qiao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9099837/publications.pdf

Version: 2024-02-01

65 papers	1,358 citations	361413 20 h-index	377865 34 g-index
65 all docs	65 docs citations	65 times ranked	1589 citing authors

#	Article	IF	Citations
1	Mussel-inspired degradable antibacterial polydopamine/silica nanoparticle for rapid hemostasis. Biomaterials, 2018, 179, 83-95.	11.4	170
2	A highly efficient, in situ wet-adhesive dextran derivative sponge for rapid hemostasis. Biomaterials, 2019, 205, 23-37.	11.4	160
3	Dynamic interfacial tension behavior of the novel surfactant solutions and Daqing crude oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 294, 191-202.	4.7	63
4	Effective wound dressing based on Poly (vinyl alcohol)/Dextran-aldehyde composite hydrogel. International Journal of Biological Macromolecules, 2019, 132, 1098-1105.	7.5	58
5	Synthesis and Surface Properties of a pH-Regulated and pH-Reversible Anionic Gemini Surfactant. Langmuir, 2014, 30, 8258-8267.	3.5	54
6	A multifunctional lipid that forms contrast-agent liposomes with dual-control release capabilities for precise MRI-guided drug delivery. Biomaterials, 2019, 221, 119412.	11.4	53
7	Solubility of n-alkanes in supercritical CO2 at diverse temperature and pressure. Journal of CO2 Utilization, 2015, 9, 29-38.	6.8	46
8	Interfacial tension behavior of double long-chain 1,3,5-triazine surfactants for enhanced oil recovery. Fuel, 2012, 96, 220-225.	6.4	44
9	Synthesis of carbamate-linked lipids for gene delivery. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3147-3150.	2.2	43
10	Efficient antibacterial dextran-montmorillonite composite sponge for rapid hemostasis with wound healing. International Journal of Biological Macromolecules, 2020, 160, 1130-1143.	7.5	40
11	Effects of silica nanoparticles and polymers on foam stability with sodium dodecylbenzene sulfonate in waterâ€“liquid paraffin oil emulsions at high temperatures. Journal of Molecular Liquids, 2017, 241, 1069-1078.	4.9	38
12	Synthesis and characterization of a series of carbamate-linked cationic lipids for gene delivery. Lipids, 2005, 40, 839-848.	1.7	35
13	Enhanced intercellular release of anticancer drug by using nano-sized catanionic vesicles of doxorubicin hydrochloride and gemini surfactants. Journal of Molecular Liquids, 2018, 259, 398-410.	4.9	35
14	Synthesis and Properties of a Series of CO₂ Switchable Surfactants with Imidazoline Group. Journal of Surfactants and Detergents, 2012, 15, 533-539.	2.1	31
15	Vesicles from pH-regulated reversible gemini amino-acid surfactants as nanocapsules for delivery. Colloids and Surfaces B: Biointerfaces, 2016, 146, 523-531.	5.0	26
16	Unusual pH-regulated surface adsorption and aggregation behavior of a series of asymmetric gemini amino-acid surfactants. Soft Matter, 2015, 11, 2577-2585.	2.7	25
17	Solubility of Nonionic Hydrocarbon Surfactants with Different Hydrophobic Tails in Supercritical CO₂. Journal of Chemical & Engineering Data, 2015, 60, 2469-2476.	1.9	24
18	A Traceable, Sequential Multistageâ€Targeting Nanoparticles Combining Chemo/Chemodynamic Therapy for Enhancing Antitumor Efficacy. Advanced Functional Materials, 2021, 31, 2101432.	14.9	24

#	Article	IF	Citations
19	The Relationship Between the Structure and Properties of Amino Acid Surfactants Based on Glycine and Serine. Journal of Surfactants and Detergents, 2013, 16, 821-828.	2.1	22
20	Interaction and binding efficiency of cationic drug chlorpheniramine maleate â€“ anionic amino acid gemini surfactants mixture as media for the synthesis of silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 686-695.	4.7	21
21	A Multifunctional Lipid Incorporating Active Targeting and Dual-Control Release Capabilities for Precision Drug Delivery. ACS Applied Materials & Interfaces, 2020, 12, 70-85.	8.0	21
22	CO₂/N₂ Triggered Switchable Surfactants with Imidazole Group. Journal of Surfactants and Detergents, 2014, 17, 383-390.	2.1	20
23	Synthesis of single and double long-chain 1,3,5-triazine amphoteric surfactants and their surface activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 612-617.	4.7	16
24	Synthesis and Properties of Three Series Amino Acid Surfactants. Tenside, Surfactants, Detergents, 2012, 49, 161-166.	1.2	16
25	Hydroxylâ€modified cationic lipids with a carbamate linkage as gene delivery vehicles. European Journal of Lipid Science and Technology, 2013, 115, 483-489.	1.5	15
26	A traceable, GSH/pH dual-responsive nanoparticles with spatiotemporally controlled multiple drugs release ability to enhance antitumor efficacy. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111866.	5.0	14
27	Synthesis and surface activity properties of symmetric double chains alkylbetaine surfactants derived from s-triazine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 45-50.	4.7	12
28	Carbamate-linked cationic lipids for gene delivery. Bioorganic and Medicinal Chemistry, 2008, 16, 995-1005.	3.0	11
29	Synthesis and Surface Activity of Guerbet Betaine Surfactants with Ethylene Oxide Groups. Tenside, Surfactants, Detergents, 2012, 49, 252-255.	1.2	11
30	Physicochemical Interactions of Chlorpheniramine Maleate with Sodium Deoxycholate in Aqueous Solution. Journal of Surfactants and Detergents, 2018, 21, 879-887.	2.1	11
31	Synthesis of switchable amphipathic molecules triggered by CO₂ through carbonylâ€amine condensation. European Journal of Lipid Science and Technology, 2011, 113, 841-847.	1.5	10
32	Thermo- and pH- dual responsive inorganic-organic hybrid hydrogels with tunable luminescence. Science China Chemistry, 2018, 61, 328-335.	8.2	10
33	Endogenous reactive oxygen species burst induced and spatiotemporally controlled multiple drug release by traceable nanoparticles for enhancing antitumor efficacy. Biomaterials Science, 2021, 9, 4968-4983.	5.4	10
34	Selective Synthesis of Carbon Nanorings via Asymmetric Intramicellar Phase-Transition-Induced Tip-to-Tip Assembly. ACS Central Science, 2021, 7, 1493-1499.	11.3	10
35	An MRI-guided targeting dual-responsive drug delivery system for liver cancer therapy. Journal of Colloid and Interface Science, 2021, 603, 783-798.	9.4	10
36	pHâ€Responsive and CO₂â€responsive vesicles can be formed by Nâ€decylimidazole. European Journal of Lipid Science and Technology, 2015, 117, 1673-1678.	1.5	9

#	Article	IF	Citations
37	Synthesis of a Series of Anionic Surfactants Derived from NP and their Properties as Emulsifiers for Reducing Viscosity of Highly Viscous Oil via Formation of O/W Emulsions. Journal of Surfactants and Detergents, 2016, 19, 979-987.	2.1	9
38	Synthesis and evaluation of mono- and multi-hydroxyl low toxicity pH-sensitive cationic lipids for drug delivery. European Journal of Pharmaceutical Sciences, 2019, 133, 69-78.	4.0	9
39	O-nitrobenzyl liposomes with dual-responsive release capabilities for drug delivery. Journal of Molecular Liquids, 2021, 334, 116016.	4.9	9
40	Magnetic Resonance Imaging-Guided Multi-Stimulus-Responsive Drug Delivery Strategy for Personalized and Precise Cancer Treatment. ACS Applied Materials & Interfaces, 2021, 13, 50716-50732.	8.0	9
41	Sensitive and precise visually guided drug delivery nanoplatform with dual activation of pH and light. Acta Biomaterialia, 2022, 141, 374-387.	8.3	9
42	Design and Surface/Interfacial Properties of Asymmetric Triazine Carboxyl Betaine Surfactants. Journal of Surfactants and Detergents, 2014, 17, 629-636.	2.1	8
43	Gd-DTPA-dialkylamine derivatives: Synthesis and self-assembled behaviors for T1-enhanced magnetic resonance imaging and drug carriers. Journal of Molecular Liquids, 2018, 268, 77-86.	4.9	7
44	Interaction of doxorubicin hydrochloride in the presence of, mixed aggregate of ibuprofen sodium and cationic lipid. Journal of Molecular Liquids, 2020, 313, 113451.	4.9	7
45	Biomimetic hydroxyapate/polydopamine composites with good biocompatibility and efficiency for uncontrolled bleeding. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1876-1892.	3.4	7
46	Light Triggered Coâ€Assembly of Photocleavable Copolymers and Polyoxometalates with Enhanced Photoluminescence. Macromolecular Rapid Communications, 2017, 38, 1600550.	3.9	6
47	Synthesis and Characterization of Amphiphilic Gd(III) Complexes: Gdâ€ĐTPAâ€ĐBA. Journal of Surfactants and Detergents, 2018, 21, 601-607.	2.1	6
48	Anisamide-modified dual-responsive drug delivery system with MRI capacity for cancer targeting therapy. Journal of Molecular Liquids, 2021, 340, 116889.	4.9	6
49	Synthesis and Characterization of a Novel Series of Cationic Fumaric Polymerizable Emulsifiers. Journal of Surfactants and Detergents, 2011, 14, 37-41.	2.1	5
50	Reversible Control of Spacing in Charged Lamellar Membrane Hydrogels by Hydrophobically Mediated Tethering with Symmetric and Asymmetric Double-End-Anchored Poly(ethylene glycol)s. ACS Applied Materials & Interfaces, 2018, 10, 44152-44162.	8.0	5
51	Triple-responsive targeted hybrid liposomes with high MRI performance for tumor diagnosis and therapy. Materials Chemistry Frontiers, 2021, 5, 6226-6243.	5.9	5
52	MRI-FI-guided superimposed stimulus-responsive co-assembled liposomes for optimizing transmembrane drug delivery pathways and improving cancer efficacy. Applied Materials Today, 2022, 26, 101368.	4.3	5
53	Synthesis of Siloxane Polyether Surfactants and Their Solubility in Supercritical CO₂. Journal of Surfactants and Detergents, 2017, 20, 453-458.	2.1	4
54	A sequential multistage-targeted nanoparticles for MR imaging and efficient chemo/chemodynamic synergistic therapy of liver cancer. Applied Materials Today, 2021, 24, 101147.	4.3	4

#	Article	IF	Citations
55	Spontaneous Vesicle Formation in Mixtures of Quaternary Ammonium Compounds with Carbamate and Sodium Dodecylbenzene Sulfonate. Journal of Surfactants and Detergents, 2015, 18, 171-178.	2.1	3
56	Assembly of Building Blocks by Double-End-Anchored Polymers in the Dilute Regime Mediated by Hydrophobic Interactions at Controlled Distances. ACS Applied Materials & Interfaces, 2020, 12, 45728-45743.	8.0	3
57	Performance Improvement of Cleaning Formulations for the Exterior Surface of <scp>Highâ€Speed</scp> Trains. Journal of Surfactants and Detergents, 2021, 24, 99-109.	2.1	3
58	Synthesis and Characterization of Carbamateâ€Linked Cationic Lipids with Hydroxyethyl Group. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 2121-2125.	1.9	2
59	Synthesis and Characterization of Novel Cationic Lipids Derived from Thio Galactose. Journal of Surfactants and Detergents, 2014, 17, 261-268.	2.1	2
60	Effects of non-ionic surfactants on the material exchange between crude oil and scCO2. Journal of Molecular Liquids, 2018, 269, 23-28.	4.9	2
61	Structural Effects of Nonionic Surfactants on Their Ability to Reduce the Dissolution Pressures of Heavy Hydrocarbons in Supercritical CO₂. Journal of Surfactants and Detergents, 2018, 21, 509-522.	2.1	2
62	Series of High Magnetic Resonance-Guided Photoinduced Nanodelivery Systems for Precisely Improving the Efficiency of Cancer Therapy. ACS Applied Materials & Interfaces, 2022, 14, 20616-20627.	8.0	2
63	Cleaning Efficiency of Aminoâ€Acid Surfactants with Polyoxyethylene Ether and Isopropanol in Liquid Carbon Dioxide. Journal of Surfactants and Detergents, 2018, 21, 723-731.	2.1	1
64	Vesicle formed by Nâ€²â€²dodecylâ€N,Nâ€dimethylacetamidine and tuned by CO₂ and alkali. European Journal of Lipid Science and Technology, 2014, 116, 961-967.	1.5	0
65	Synthesis of asymmetrically dihydrophobic chain poly(ethylene glycol) lipids for long circulation and membrane fusion. Journal of Surfactants and Detergents, 0, , .	2.1	0