

# Weihong Qiao

## List of Publications by Year in descending order

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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	MRI-FI-guided superimposed stimulus-responsive co-assembled liposomes for optimizing transmembrane drug delivery pathways and improving cancer efficacy. <i>Applied Materials Today</i> , 2022, 26, 101368.	4.3	5
2	Sensitive and precise visually guided drug delivery nanoplatfrom with dual activation of pH and light. <i>Acta Biomaterialia</i> , 2022, 141, 374-387.	8.3	9
3	Series of High Magnetic Resonance-Guided Photoinduced Nanodelivery Systems for Precisely Improving the Efficiency of Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 20616-20627.	8.0	2
4	Performance Improvement of Cleaning Formulations for the Exterior Surface of High-speed Trains. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 99-109.	2.1	3
5	Triple-responsive targeted hybrid liposomes with high MRI performance for tumor diagnosis and therapy. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6226-6243.	5.9	5
6	Endogenous reactive oxygen species burst induced and spatiotemporally controlled multiple drug release by traceable nanoparticles for enhancing antitumor efficacy. <i>Biomaterials Science</i> , 2021, 9, 4968-4983.	5.4	10
7	A Traceable, Sequential Multistage-Targeting Nanoparticles Combining Chemo/Chemodynamic Therapy for Enhancing Antitumor Efficacy. <i>Advanced Functional Materials</i> , 2021, 31, 2101432.	14.9	24
8	Biomimetic hydroxyapatite/polydopamine composites with good biocompatibility and efficiency for uncontrolled bleeding. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1876-1892.	3.4	7
9	O-nitrobenzyl liposomes with dual-responsive release capabilities for drug delivery. <i>Journal of Molecular Liquids</i> , 2021, 334, 116016.	4.9	9
10	Selective Synthesis of Carbon Nanorings via Asymmetric Intracellular Phase-Transition-Induced Tip-to-Tip Assembly. <i>ACS Central Science</i> , 2021, 7, 1493-1499.	11.3	10
11	A traceable, GSH/pH dual-responsive nanoparticles with spatiotemporally controlled multiple drugs release ability to enhance antitumor efficacy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111866.	5.0	14
12	A sequential multistage-targeted nanoparticles for MR imaging and efficient chemo/chemodynamic synergistic therapy of liver cancer. <i>Applied Materials Today</i> , 2021, 24, 101147.	4.3	4
13	Anisamide-modified dual-responsive drug delivery system with MRI capacity for cancer targeting therapy. <i>Journal of Molecular Liquids</i> , 2021, 340, 116889.	4.9	6
14	An MRI-guided targeting dual-responsive drug delivery system for liver cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 783-798.	9.4	10
15	Magnetic Resonance Imaging-Guided Multi-Stimulus-Responsive Drug Delivery Strategy for Personalized and Precise Cancer Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50716-50732.	8.0	9
16	A Multifunctional Lipid Incorporating Active Targeting and Dual-Control Release Capabilities for Precision Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 70-85.	8.0	21
17	Assembly of Building Blocks by Double-End-Anchored Polymers in the Dilute Regime Mediated by Hydrophobic Interactions at Controlled Distances. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45728-45743.	8.0	3
18	Interaction of doxorubicin hydrochloride in the presence of, mixed aggregate of ibuprofen sodium and cationic lipid. <i>Journal of Molecular Liquids</i> , 2020, 313, 113451.	4.9	7

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19	Efficient antibacterial dextran-montmorillonite composite sponge for rapid hemostasis with wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 1130-1143.	7.5	40
20	A multifunctional lipid that forms contrast-agent liposomes with dual-control release capabilities for precise MRI-guided drug delivery. <i>Biomaterials</i> , 2019, 221, 119412.	11.4	53
21	A highly efficient, in situ wet-adhesive dextran derivative sponge for rapid hemostasis. <i>Biomaterials</i> , 2019, 205, 23-37.	11.4	160
22	Synthesis and evaluation of mono- and multi-hydroxyl low toxicity pH-sensitive cationic lipids for drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 69-78.	4.0	9
23	Effective wound dressing based on Poly (vinyl alcohol)/Dextran-aldehyde composite hydrogel. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1098-1105.	7.5	58
24	Enhanced intercellular release of anticancer drug by using nano-sized cationic vesicles of doxorubicin hydrochloride and gemini surfactants. <i>Journal of Molecular Liquids</i> , 2018, 259, 398-410.	4.9	35
25	Thermo- and pH- dual responsive inorganic-organic hybrid hydrogels with tunable luminescence. <i>Science China Chemistry</i> , 2018, 61, 328-335.	8.2	10
26	Reversible Control of Spacing in Charged Lamellar Membrane Hydrogels by Hydrophobically Mediated Tethering with Symmetric and Asymmetric Double-End-Anchored Poly(ethylene glycol)s. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44152-44162.	8.0	5
27	Cleaning Efficiency of Amino Acid Surfactants with Polyoxyethylene Ether and Isopropanol in Liquid Carbon Dioxide. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 723-731.	2.1	1
28	Mussel-inspired degradable antibacterial polydopamine/silica nanoparticle for rapid hemostasis. <i>Biomaterials</i> , 2018, 179, 83-95.	11.4	170
29	Gd-DTPA-dialkylamine derivatives: Synthesis and self-assembled behaviors for T1-enhanced magnetic resonance imaging and drug carriers. <i>Journal of Molecular Liquids</i> , 2018, 268, 77-86.	4.9	7
30	Physicochemical Interactions of Chlorpheniramine Maleate with Sodium Deoxycholate in Aqueous Solution. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 879-887.	2.1	11
31	Effects of non-ionic surfactants on the material exchange between crude oil and scCO <sub>2</sub> . <i>Journal of Molecular Liquids</i> , 2018, 269, 23-28.	4.9	2
32	Synthesis and Characterization of Amphiphilic Gd(III) Complexes: Gd-DTPA-BA. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 601-607.	2.1	6
33	Structural Effects of Nonionic Surfactants on Their Ability to Reduce the Dissolution Pressures of Heavy Hydrocarbons in Supercritical CO <sub>2</sub> . <i>Journal of Surfactants and Detergents</i> , 2018, 21, 509-522.	2.1	2
34	Synthesis of Siloxane Polyether Surfactants and Their Solubility in Supercritical CO <sub>2</sub> . <i>Journal of Surfactants and Detergents</i> , 2017, 20, 453-458.	2.1	4
35	Interaction and binding efficiency of cationic drug chlorpheniramine maleate with anionic amino acid gemini surfactants mixture as media for the synthesis of silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 686-695.	4.7	21
36	Effects of silica nanoparticles and polymers on foam stability with sodium dodecylbenzene sulfonate in water-in-oil emulsions at high temperatures. <i>Journal of Molecular Liquids</i> , 2017, 241, 1069-1078.	4.9	38

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37	Light Triggered Co-Assembly of Photocleavable Copolymers and Polyoxometalates with Enhanced Photoluminescence. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600550.	3.9	6
38	Vesicles from pH-regulated reversible gemini amino-acid surfactants as nanocapsules for delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 523-531.	5.0	26
39	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. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 979-987.	2.1	9
40	pH-Responsive and CO <sub>2</sub> -responsive vesicles can be formed by N-dodecylimidazole. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1673-1678.	1.5	9
41	Solubility of Nonionic Hydrocarbon Surfactants with Different Hydrophobic Tails in Supercritical CO <sub>2</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 2469-2476.	1.9	24
42	Unusual pH-regulated surface adsorption and aggregation behavior of a series of asymmetric gemini amino-acid surfactants. <i>Soft Matter</i> , 2015, 11, 2577-2585.	2.7	25
43	Solubility of n-alkanes in supercritical CO <sub>2</sub> at diverse temperature and pressure. <i>Journal of CO<sub>2</sub> Utilization</i> , 2015, 9, 29-38.	6.8	46
44	Spontaneous Vesicle Formation in Mixtures of Quaternary Ammonium Compounds with Carbamate and Sodium Dodecylbenzene Sulfonate. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 171-178.	2.1	3
45	Synthesis and Characterization of Novel Cationic Lipids Derived from Thio Galactose. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 261-268.	2.1	2
46	Design and Surface/Interfacial Properties of Asymmetric Triazine Carboxyl Betaine Surfactants. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 629-636.	2.1	8
47	Vesicle formed by N-dodecyl-N,N-dimethylacetamide and tuned by CO <sub>2</sub> and alkali. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 961-967.	1.5	0
48	Synthesis and Surface Properties of a pH-Regulated and pH-Reversible Anionic Gemini Surfactant. <i>Langmuir</i> , 2014, 30, 8258-8267.	3.5	54
49	CO <sub>2</sub> /N <sub>2</sub> Triggered Switchable Surfactants with Imidazole Group. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 383-390.	2.1	20
50	The Relationship Between the Structure and Properties of Amino Acid Surfactants Based on Glycine and Serine. <i>Journal of Surfactants and Detergents</i> , 2013, 16, 821-828.	2.1	22
51	Hydroxyl-modified cationic lipids with a carbamate linkage as gene delivery vehicles. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 483-489.	1.5	15
52	Synthesis and Properties of Three Series Amino Acid Surfactants. <i>Tenside, Surfactants, Detergents</i> , 2012, 49, 161-166.	1.2	16
53	Synthesis and Surface Activity of Guerbet Betaine Surfactants with Ethylene Oxide Groups. <i>Tenside, Surfactants, Detergents</i> , 2012, 49, 252-255.	1.2	11
54	Synthesis and surface activity properties of symmetric double chains alkylbetaine surfactants derived from s-triazine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 405, 45-50.	4.7	12

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55	Synthesis and Properties of a Series of CO <sub>2</sub> Switchable Surfactants with Imidazoline Group. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 533-539.	2.1	31
56	Synthesis and Characterization of Carbamate-Linked Cationic Lipids with Hydroxyethyl Group. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 2121-2125.	1.9	2
57	Interfacial tension behavior of double long-chain 1,3,5-triazine surfactants for enhanced oil recovery. <i>Fuel</i> , 2012, 96, 220-225.	6.4	44
58	Synthesis and Characterization of a Novel Series of Cationic Fumaric Polymerizable Emulsifiers. <i>Journal of Surfactants and Detergents</i> , 2011, 14, 37-41.	2.1	5
59	Synthesis of switchable amphipathic molecules triggered by CO <sub>2</sub> through carbonyl-amine condensation. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 841-847.	1.5	10
60	Synthesis of single and double long-chain 1,3,5-triazine amphoteric surfactants and their surface activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 612-617.	4.7	16
61	Carbamate-linked cationic lipids for gene delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 995-1005.	3.0	11
62	Dynamic interfacial tension behavior of the novel surfactant solutions and Daqing crude oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 191-202.	4.7	63
63	Synthesis of carbamate-linked lipids for gene delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3147-3150.	2.2	43
64	Synthesis and characterization of a series of carbamate-linked cationic lipids for gene delivery. <i>Lipids</i> , 2005, 40, 839-848.	1.7	35
65	Synthesis of asymmetrically dihydrophobic chain poly(ethylene glycol) lipids for long circulation and membrane fusion. <i>Journal of Surfactants and Detergents</i> , 0, , .	2.1	0