

# Aihua Zou

## List of Publications by Year in descending order

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30  
papers

1,021  
citations

394421

19  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in structural design of lipid-based nanoparticle carriers for delivery of macromolecular drugs, phytochemicals and anti-tumor agents. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 331-345.	14.7	173
2	pH Responsiveness of Hexosomes and Cubosomes for Combined Delivery of <i>Brucea javanica</i> Oil and Doxorubicin. <i>Langmuir</i> , 2019, 35, 14532-14542.	3.5	79
3	Baicalin loaded in folate-PEG modified liposomes for enhanced stability and tumor targeting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 74-82.	5.0	73
4	Sterically stabilized spongosomes for multidrug delivery of anticancer nanomedicines. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7734-7744.	5.8	68
5	Self-assembly of mitochondria-specific peptide amphiphiles amplifying lung cancer cell death through targeting the VDAC1-hexokinase-II complex. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4706-4716.	5.8	63
6	Self-assembled stable sponge-type nanocarriers for <i>Brucea javanica</i> oil delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 310-319.	5.0	50
7	Micellization Activity of the Natural Lipopeptide [Glu <sub>1</sub> , Asp <sub>5</sub> ] Surfactin-C15 in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2712-2718.	2.6	48
8	Construction and Characterization of a Novel Sustained-Release Delivery System for Hydrophobic Pesticides Using Biodegradable Polydopamine-Based Microcapsules. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6262-6268.	5.2	39
9	Preparation of a novel sustained-release system for pyrethroids by using metal-organic frameworks (MOFs) nanoparticle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125266.	4.7	39
10	Doxorubicin hydrochloride-oleic acid conjugate loaded nanostructured lipid carriers for tumor specific drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 95-103.	5.0	38
11	Preparation of an Environmentally Friendly Formulation of the Insecticide Nicotine Hydrochloride through Encapsulation in Chitosan/Tripolyphosphate Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1067-1074.	5.2	37
12	In situ phase transition of microemulsions for parenteral injection yielding lyotropic liquid crystalline carriers of the antitumor drug bufalin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 217-225.	5.0	33
13	Interaction of a biosurfactant, Surfactin with a cationic Gemini surfactant in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2016, 481, 201-209.	9.4	29
14	Mitochondrial Voltage-Dependent Anion Channel-Hexokinase-II Complex-Targeted Strategy for Melanoma Inhibition Using Designed Multiblock Peptide Amphiphiles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35281-35293.	8.0	28
15	Construction and characterization of a temperature-responsive nanocarrier for imidacloprid based on mesoporous silica nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111464.	5.0	27
16	Interaction between the Natural Lipopeptide [Glu <sub>1</sub> , Asp <sub>5</sub> ] Surfactin-C15 and Hemoglobin in Aqueous Solution. <i>Biomacromolecules</i> , 2010, 11, 593-599.	5.4	26
17	Polydopamine as the Antigen Delivery Nanocarrier for Enhanced Immune Response in Tumor Immunotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2330-2342.	5.2	23
18	Fe <sub>3</sub> O <sub>4</sub> Magnetic Cores Coated with Metal-Organic Framework Shells as Collectable Composite Nanoparticle Vehicles for Sustained Release of the Pesticide Imidacloprid. <i>ACS Applied Nano Materials</i> , 2021, 4, 5864-5870.	5.0	23

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19	Brucea javanica oil-loaded nanostructure lipid carriers (BJO NLCs): Preparation, characterization and in vitro evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 312-319.	4.7	22
20	Folate receptor targeted bufalin/ $\beta$ -cyclodextrin supramolecular inclusion complex for enhanced solubility and anti-tumor efficiency of bufalin. <i>Materials Science and Engineering C</i> , 2017, 78, 609-618.	7.3	22
21	Eco-friendly Water-Based $\beta$ -Cyhalothrin Polydopamine Microcapsule Suspension with High Adhesion on Leaf for Reducing Pesticides Loss. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12549-12557.	5.2	20
22	Insights into the Interactions among Surfactin, Betaines, and PAM: Surface Tension, Small-Angle Neutron Scattering, and Small-Angle X-ray Scattering Study. <i>Langmuir</i> , 2014, 30, 3363-3372.	3.5	19
23	Single-Molecule Study of Peptides with the Same Amino Acid Composition but Different Sequences by Using an Aerolysin Nanopore. <i>ChemBioChem</i> , 2020, 21, 2467-2473.	2.6	14
24	A Lipidated Peptide with Mitochondrial Membrane Localization in Human A549 Lung Cells: From Enhanced Cell-Penetrating Properties to Biological Activity Mechanism. <i>ACS Applied Bio Materials</i> , 2021, 4, 8277-8290.	4.6	11
25	Hyaluronic acid-coated liposome for active targeting on CD44 expressing tumors. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	9
26	Interaction Between Surfactin and Bovine Serum Albumin. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 48-55.	2.4	4
27	Loading Psoralen into liposomes to enhance its stimulatory effect on the proliferation and differentiation of mouse calvarias osteoblasts. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 1531-1538.	2.4	2
28	Effect of $\beta$ -Cyhalothrin-Loaded Polydopamine Microcapsule Suspensions on Stress Defenses in the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . <i>ACS Agricultural Science and Technology</i> , 2021, 1, 303-311.	2.3	1
29	Effect of Shiga Toxin on Inhomogeneous Biological Membrane Structure Determined by Small-Angle Scattering. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6965.	2.5	1
30	Nanoscale Interfacial Activity of the Natural Lipopeptide, [Asp <sup>1</sup> , Glu <sup>5</sup> ] Surfactin $\beta$ 16, and DMPC in Mixed Monolayer. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2869-2873.	4.9	0