Yu Zhao

List of Publications by Year in descending order

69 papers	2,836 citations	159585 30 h-index	182427 51 g-index
69 all docs	69 docs citations	69 times ranked	3967 citing authors

#	Article	IF	Citations
1	Functional Silver Nanoparticle as a Benign Antimicrobial Agent That Eradicates Antibiotic-Resistant Bacteria and Promotes Wound Healing. ACS Applied Materials & Interfaces, 2016, 8, 25798-25807.	8.0	167
2	Advanced bioactive nanomaterials for biomedical applications. Exploration, 2021, 1, .	11.0	156
3	A Biomimetic Nonâ€Antibiotic Approach to Eradicate Drugâ€Resistant Infections. Advanced Materials, 2019, 31, e1806024.	21.0	131
4	Single Continuous Near-Infrared Laser-Triggered Photodynamic and Photothermal Ablation of Antibiotic-Resistant Bacteria Using Effective Targeted Copper Sulfide Nanoclusters. ACS Applied Materials & Interfaces, 2017, 9, 30470-30479.	8.0	128
5	Multistage Delivery Nanoparticle Facilitates Efficient CRISPR/dCas9 Activation and Tumor Growth Suppression In Vivo. Advanced Science, 2019, 6, 1801423.	11.2	128
6	PolyCOFs: A New Class of Freestanding Responsive Covalent Organic Framework Membranes with High Mechanical Performance. ACS Central Science, 2019, 5, 1352-1359.	11.3	126
7	Nanocomposites Inhibit the Formation, Mitigate the Neurotoxicity, and Facilitate the Removal of Î²-Amyloid Aggregates in Alzheimerâ€™s Disease Mice. Nano Letters, 2019, 19, 674-683.	9.1	124
8	Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals. Advanced Materials, 2019, 31, e1805148.	21.0	123
9	Near-Infrared Light-Activated Thermosensitive Liposomes as Efficient Agents for Photothermal and Antibiotic Synergistic Therapy of Bacterial Biofilm. ACS Applied Materials & Interfaces, 2018, 10, 14426-14437.	8.0	121
10	Dualâ€Locking Nanoparticles Disrupt the PDâ€1/PDâ€L1 Pathway for Efficient Cancer Immunotherapy. Advanced Materials, 2019, 31, e1905751.	21.0	95
11	Dual functionalized brain-targeting nanoinhibitors restrain temozolomide-resistant glioma via attenuating EGFR and MET signaling pathways. Nature Communications, 2020, 11, 594.	12.8	87
12	Virus-like nanoparticle as a co-delivery system to enhance efficacy of CRISPR/Cas9-based cancer immunotherapy. Biomaterials, 2020, 258, 120275.	11.4	81
13	Oncoprotein HBXIP Modulates Abnormal Lipid Metabolism and Growth of Breast Cancer Cells by Activating the LXRs/SREBP-1c/FAS Signaling Cascade. Cancer Research, 2016, 76, 4696-4707.	0.9	71
14	Block versus Random Amphiphilic Glycopolymer Nanopaticles as Glucose-Responsive Vehicles. Biomacromolecules, 2015, 16, 3345-3356.	5.4	65
15	Functional Silver Nanocomposites as Broad-Spectrum Antimicrobial and Biofilm-Disrupting Agents. ACS Applied Materials & Interfaces, 2017, 9, 16834-16847.	8.0	62
16	Macrocyclicâ€Amphiphileâ€Based Selfâ€Assembled Nanoparticles for Ratiometric Delivery of Therapeutic Combinations to Tumors. Advanced Materials, 2021, 33, e2007719.	21.0	61
17	In situ cross-linked polysaccharide hydrogel as extracellular matrix mimics for antibiotics delivery. Carbohydrate Polymers, 2014, 105, 63-69.	10.2	58
18	In Situ Modification of the Tumor Cell Surface with Immunomodulating Nanoparticles for Effective Suppression of Tumor Growth in Mice. Advanced Materials, 2019, 31, e1902542.	21.0	58

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19	The oncoprotein HBXIP enhances migration of breast cancer cells through increasing filopodia formation involving MEKK2/ERK1/2/Capn4 signaling. Cancer Letters, 2014, 355, 288-296.	7.2	49
20	BODIPY-based macromolecular photosensitizer with cation-enhanced antibacterial activity. Polymer Chemistry, 2015, 6, 302-310.	3.9	47
21	Phosphorylcholine-Based Polymer Encapsulated Chitosan Nanoparticles Enhance the Penetration of Antimicrobials in a Staphylococcal Biofilm. ACS Macro Letters, 2019, 8, 651-657.	4.8	46
22	NanoRNP Overcomes Tumor Heterogeneity in Cancer Treatment. Nano Letters, 2019, 19, 7662-7672.	9.1	45
23	Water-soluble BODIPY-conjugated glycopolymers as fluorescent probes for live cell imaging. Polymer Chemistry, 2013, 4, 5743.	3.9	44
24	Structureâ€“Activity Relationship of Membrane-Targeting Cationic Ligands on a Silver Nanoparticle Surface in an Antibiotic-Resistant Antibacterial and Antibiofilm Activity Assay. ACS Applied Materials & Interfaces, 2017, 9, 13837-13848.	8.0	43
25	Mn(<scp>ii</scp>) tags for DEER distance measurements in proteins via Câ€“S attachment. Dalton Transactions, 2015, 44, 20812-20816.	3.3	42
26	Synthesis, Insecticidal, and Acaricidal Activities of Novel 2-Aryl-pyrrole Derivatives Containing Ester Groups. Journal of Agricultural and Food Chemistry, 2008, 56, 10176-10182.	5.2	40
27	A Water-Soluble Galactose-Decorated Cationic Photodynamic Therapy Agent Based on BODIPY to Selectively Eliminate Biofilm. Biomacromolecules, 2018, 19, 141-149.	5.4	39
28	Recent Advances in Self-assembled Nano-therapeutics. Chinese Journal of Polymer Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	35
29	Bioinspired Heteromultivalent Ligand-Decorated Nanotherapeutic for Enhanced Photothermal and Photodynamic Therapy of Antibiotic-Resistant Bacterial Pneumonia. ACS Applied Materials & Interfaces, 2019, 11, 39648-39661.	8.0	35
30	An Acid-Triggered Degradable and Fluorescent Nanoscale Drug Delivery System with Enhanced Cytotoxicity to Cancer Cells. Biomacromolecules, 2015, 16, 2444-2454.	5.4	34
31	Glycomimetic-Conjugated Photosensitizer for Specific Pseudomonas aeruginosa Recognition and Targeted Photodynamic Therapy. Bioconjugate Chemistry, 2018, 29, 3222-3230.	3.6	29
32	Multivalent polymerâ€“Au nanocomposites with cationic surfaces displaying enhanced antimicrobial activity. Polymer Chemistry, 2014, 5, 3038-3044.	3.9	28
33	Synthesis, Crystal Structure, and Insecticidal Activity of Novel N-Alkyloxyoxalyl Derivatives of 2-Arylpyrrole. Journal of Agricultural and Food Chemistry, 2008, 56, 7326-7332.	5.2	27
34	Design, Synthesis and Biological Activities of Novel Anthranilic Diamide Insecticide Containing Trifluoroethyl Ether. Chinese Journal of Chemistry, 2012, 30, 1748-1758.	4.9	27
35	Encapsulated DNase improving the killing efficiency of antibiotics in staphylococcal biofilms. Journal of Materials Chemistry B, 2020, 8, 4395-4401.	5.8	27
36	Coassembly of Macrocyclic Amphiphiles for Anti-Î²-Amyloid Therapy of Alzheimerâ€™s Disease. CCS Chemistry, 2021, 3, 2485-2497.	7.8	26

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37	Lipid metabolism enzyme 5-LOX and its metabolite LTB4 are capable of activating transcription factor NF-Î²B in hepatoma cells. Biochemical and Biophysical Research Communications, 2012, 418, 647-651.	2.1	25
38	COF-inspired fabrication of two-dimensional polyoxometalate based open frameworks for biomimetic catalysis. Nanoscale, 2020, 12, 21218-21224.	5.6	25
39	Calixareneâ€Embedded Nanoparticles for Interferenceâ€Free Geneâ€“Drug Combination Cancer Therapy. Small, 2021, 17, e2006223.	10.0	24
40	Antibacterial amphiphiles based on Îµ-polylysine: synthesis, mechanism of action, and cytotoxicity. RSC Advances, 2015, 5, 69325-69333.	3.6	19
41	Stapled Liposomes Enhance Crossâ€Priming of Radioâ€Immunotherapy. Advanced Materials, 2022, 34, e2107161.	21.0	19
42	Multifunctional Nanomodulators Regulate Multiple Pathways To Enhance Antitumor Immunity. ACS Applied Bio Materials, 2020, 3, 4635-4642.	4.6	15
43	Neuroprotective Nanoscavenger Induces Coaggregation of Î²-Amyloid and Facilitates Its Clearance in Alzheimerâ€™s Disease Brain. CCS Chemistry, 2021, 3, 2316-2330.	7.8	15
44	Bi-specific macrophage nano-engager for cancer immunotherapy. Nano Today, 2021, 41, 101313.	11.9	15
45	An Antibody-like Polymeric Nanoparticle Removes Intratumoral Galectin-1 to Enhance Antitumor T-Cell Responses in Cancer Immunotherapy. ACS Applied Materials & Interfaces, 2021, 13, 22159-22168.	8.0	14
46	Design, Synthesis and Insecticidal Activities of Novel Nâ€Oxalyl Derivatives of Neonicotinoid Compound. Chinese Journal of Chemistry, 2010, 28, 475-479.	4.9	13
47	Hierarchical design of a polymeric nanovehicle for efficient tumor regression and imaging. Nanoscale, 2016, 8, 9318-9327.	5.6	13
48	Spatial Distribution Control of Antimicrobial Peptides through a Novel Polymeric Carrier for Safe and Efficient Cancer Treatment. Advanced Materials, 2022, 34, e2201945.	21.0	13
49	Synthesis, Crystal Structure, and Biological Activity of Novel Anthranilic Diamide Insecticide Containing Propargyl Ether Group. Journal of Heterocyclic Chemistry, 2016, 53, 1036-1045.	2.6	12
50	Stable and rigid DTPA-like paramagnetic tags suitable for in vitro and in situ protein NMR analysis. Journal of Biomolecular NMR, 2018, 70, 77-92.	2.8	11
51	A biodegradable and fluorescent nanovehicle with enhanced selective uptake by tumor cells. Polymer Chemistry, 2015, 6, 6529-6542.	3.9	10
52	Synthesis, crystal structure and biological activity of novel anthranilic diamide insecticide containing alkyl ether group. Molecular Diversity, 2012, 16, 711-725.	3.9	9
53	Cargoâ€Templated Crosslinked Polymer Nanocapsules and Their Biomedical Applications. Advanced NanoBiomed Research, 2021, 1, 2000078.	3.6	9
54	Immune modulating nanoparticles depleting tumor-associated macrophages to enhance immune checkpoint blockade therapy. Chemical Engineering Journal, 2022, 435, 134779.	12.7	9

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55	A Noncovalent Photoswitch for Photochemical Regulation of Enzymatic Activity. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
56	Thiazolium-derivative functionalized silver nanocomposites for suppressing bacterial resistance and eradicating biofilms. New Journal of Chemistry, 2018, 42, 1316-1325.	2.8	8
57	Tailoring a Nanochaperone to Regulate Î±â€Synuclein Assembly. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
58	Synthesis and biological activity of novel anthranilic diamides containing N-substituted arylmethylene moieties. Chemical Research in Chinese Universities, 2013, 29, 1134-1139.	2.6	6
59	Design, syntheses and biological activities of novel anthranilic diamide insecticides containing N-pyridylpyrazole. Chemical Research in Chinese Universities, 2013, 29, 51-56.	2.6	5
60	Nonabsorbable polysaccharide-functionalized polyethylenimine for inhibiting lipid absorption. Carbohydrate Polymers, 2018, 197, 57-65.	10.2	5
61	Self-assembled nanochaperones enable the disaggregation of amyloid insulin fibrils. Science China Chemistry, 2022, 65, 353-362.	8.2	4
62	A Noncovalent Photoswitch for Photochemical Regulation of Enzymatic Activity. Angewandte Chemie, 2022, 134, .	2.0	4
63	Synthesis, crystal structure and biological activity of a novel anthranilic diamide insecticide containing allyl ether. Research on Chemical Intermediates, 2013, 39, 3071-3088.	2.7	3
64	Synthesis, insecticidal activities and structureâ€“activity relationship study of dual chiral sulfilimines. Molecular Diversity, 2017, 21, 915-923.	3.9	3
65	Metalâ€“Organic Frameworks: Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals (Adv. Mater. 2/2019). Advanced Materials, 2019, 31, 1970012.	21.0	2
66	Polymeric Nanomedicine. , 2019, , 233-267.		1
67	Tailoring a Nanochaperone to Regulate Î±â€Synuclein Assembly. Angewandte Chemie, 0, , .	2.0	1
68	Nanocomposites Facilitate the Removal of AÎ² Fibrils for Neuroprotection. Chemical Research in Chinese Universities, 0, , 1.	2.6	1
69	â€œSpear and Shield in Oneâ€•Nanochaperone Enables Protein to Navigate Multiple Biological Barriers for Enhanced Tumor Synergistic Therapy. Biomaterials Science, 0, , .	5.4	1