

Zhiliang Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	2,370 citations	21 h-index	40 g-index
40 ext. papers	2,704 ext. citations	10.1 avg, IF	5.03 L-index

#	Paper	IF	Citations
40	Superoxide dismutase-loaded porous polymersomes as highly efficient antioxidant nanoparticles targeting synovium for osteoarthritis therapy.. <i>Biomaterials</i> , 2022 , 283, 121437	15.6	3
39	Superoxide Dismutase-Loaded Nanoparticles Attenuate Myocardial Ischemia-Reperfusion Injury and Protect Against Chronic Adverse Ventricular Remodeling. <i>Advanced Therapeutics</i> , 2021 , 4, 2100036	4.9	4
38	Phospholipase A inhibitor-loaded micellar nanoparticles attenuate inflammation and mitigate osteoarthritis progression. <i>Science Advances</i> , 2021 , 7,	14.3	8
37	Inner filter effect-modulated ratiometric fluorescence aptasensor based on competition strategy for zearalenone detection in cereal crops: Using mitoxantrone as quencher of CdTe QDs@SiO. <i>Food Chemistry</i> , 2021 , 349, 129171	8.5	14
36	Magnetic Nanoparticles 2021 , 679-698		0
35	Targeting cartilage EGFR pathway for osteoarthritis treatment. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	15
34	Phospholipase A Inhibitor-Loaded Phospholipid Micelles Abolish Neuropathic Pain. <i>ACS Nano</i> , 2020 , 14, 8103-8115	16.7	6
33	Indocyanine Green-Coated Polycaprolactone Micelles for Fluorescence Imaging of Tumors. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2344-2349	4.1	5
32	Use of Oppositely Polarized External Magnets To Improve the Accumulation and Penetration of Magnetic Nanocarriers into Solid Tumors. <i>ACS Nano</i> , 2020 , 14, 142-152	16.7	32
31	Combined fluorescence-guided surgery and photodynamic therapy for glioblastoma multiforme using cyanine and chlorin nanocluster. <i>Journal of Neuro-Oncology</i> , 2020 , 149, 243-252	4.8	5
30	Lattice -Mismatch-Induced Ultrastable 1T-Phase MoS-Pd/Au for Plasmon-Enhanced Hydrogen Evolution. <i>Nano Letters</i> , 2019 , 19, 2758-2764	11.5	64
29	Chlorin e6-Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Nanoclusters as a Theranostic Agent for Dual-Mode Imaging and Photodynamic Therapy. <i>Scientific Reports</i> , 2019 , 9, 2613	4.9	46
28	Dextran-Benzoporphyrin Derivative (BPD) Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Micelles for T-Weighted Magnetic Resonance Imaging and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2974-2981	6.3	21
27	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Co-MoS. <i>Nano-Micro Letters</i> , 2019 , 11, 102	19.5	59
26	Combining 3D graphene-like screen-printed carbon electrode with methylene blue-loaded liposomal nanoprobe for phospholipase A detection. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 255-260	11.8	3
25	Protoporphyrin IX (PpIX)-Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Nanoclusters for Magnetic Resonance Imaging and Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1707030	15.6	62
24	Stabilized monolayer 1T MoS embedded in CoOOH for highly efficient overall water splitting. <i>Nanoscale</i> , 2018 , 10, 12330-12336	7.7	28

23	Radiofrequency-Triggered Drug Release from Nanoliposomes with Millimeter-Scale Resolution Using a Superimposed Static Gating Field. <i>Small</i> , 2018 , 14, e1802563	11	26
22	Site-Specific Labeling of Cyanine and Porphyrin Dye-Stabilized Nanoemulsions with Affibodies for Cellular Targeting. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13550-13553	16.4	10
21	Improved Photodynamic Therapy Efficacy of Protoporphyrin IX-Loaded Polymeric Micelles Using Erlotinib Pretreatment. <i>Biomacromolecules</i> , 2017 , 18, 1836-1844	6.9	32
20	Superoxide Dismutase-Loaded Porous Polymersomes as Highly Efficient Antioxidants for Treating Neuropathic Pain. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700500	10.1	32
19	Signal-off impedimetric immunosensor for the detection of Escherichia coli O157:H7. <i>Scientific Reports</i> , 2016 , 6, 19806	4.9	32
18	Self-Targeted Polysaccharide Prodrug Suppresses Orthotopic Hepatoma. <i>Molecular Pharmaceutics</i> , 2016 , 13, 4231-4235	5.6	21
17	Quantum dot cluster (QDC)-loaded phospholipid micelles as a FRET probe for phospholipase A detection. <i>RSC Advances</i> , 2016 , 6, 15895-15899	3.7	5
16	Magnetic Relaxation Switch Detecting Boric Acid or Borate Ester through One-Pot Synthesized Poly(vinyl alcohol) Functionalized Nanomagnetic Iron Oxide. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16837-41	9.5	9
15	PLA2-responsive and SPIO-loaded phospholipid micelles. <i>Chemical Communications</i> , 2015 , 51, 12313-5	5.8	9
14	A simple method for the synthesis of porous polymeric vesicles and their application as MR contrast agents. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9277-9284	7.3	15
13	A multifunctional nanoplatform for imaging, radiotherapy, and the prediction of therapeutic response. <i>Small</i> , 2015 , 11, 834-43	11	48
12	A pH-Responsive Drug-Delivery Platform Based on Glycol Chitosan-Coated Liposomes. <i>Small</i> , 2015 , 11, 4870-4	11	89
11	Gold-loaded polymeric micelles for computed tomography-guided radiation therapy treatment and radiosensitization. <i>ACS Nano</i> , 2014 , 8, 104-12	16.7	170
10	Stabilized porous liposomes with encapsulated Gd-labeled dextran as a highly efficient MRI contrast agent. <i>Chemical Communications</i> , 2014 , 50, 2502-4	5.8	19
9	Facile method for the site-specific, covalent attachment of full-length IgG onto nanoparticles. <i>Small</i> , 2014 , 10, 3354-63	11	38
8	Monitoring phospholipase A ₂ activity with Gd-encapsulated phospholipid liposomes. <i>Scientific Reports</i> , 2014 , 4, 6958	4.9	17
7	Multifunctional nanoparticles: cost versus benefit of adding targeting and imaging capabilities. <i>Science</i> , 2012 , 338, 903-10	33.3	1033
6	Simultaneous quantification of tumor uptake for targeted and nontargeted liposomes and their encapsulated contents by ICPMS. <i>Analytical Chemistry</i> , 2012 , 84, 7578-82	7.8	3

5	Improved tumor targeting of polymer-based nanovesicles using polymer-lipid blends. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2021-9	6.3	75
4	Gadolinium-Conjugated Dendrimer Nanoclusters as a Tumor-Targeted T1 Magnetic Resonance Imaging Contrast Agent. <i>Angewandte Chemie</i> , 2010 , 122, 356-360	3.6	13
3	Gadolinium-conjugated dendrimer nanoclusters as a tumor-targeted T1 magnetic resonance imaging contrast agent. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 346-50	16.4	165
2	An intein-mediated site-specific click conjugation strategy for improved tumor targeting of nanoparticle systems. <i>Small</i> , 2010 , 6, 2460-8	11	52
1	Paramagnetic porous polymersomes. <i>Langmuir</i> , 2008 , 24, 8169-73	4	82