

Zhiliang Cheng

List of Publications by Year in descending order

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39
papers

3,030
citations

236612

25
h-index

301761

39
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40
all docs

40
docs citations

40
times ranked

5876
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Nanoparticles: Cost Versus Benefit of Adding Targeting and Imaging Capabilities. <i>Science</i> , 2012, 338, 903-910.	6.0	1,166
2	Gold-Loaded Polymeric Micelles for Computed Tomography-Guided Radiation Therapy Treatment and Radiosensitization. <i>ACS Nano</i> , 2014, 8, 104-112.	7.3	193
3	Gadolinium- ϵ -Conjugated Dendrimer Nanoclusters as a Tumor-Targeted γ Magnetic Resonance Imaging Contrast Agent. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 346-350.	7.2	173
4	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Co ϵ MoS ϵ . <i>Nano-Micro Letters</i> , 2019, 11, 102.	14.4	114
5	A pH-Responsive Drug-Delivery Platform Based on Glycol Chitosan- ϵ -Coated Liposomes. <i>Small</i> , 2015, 11, 4870-4874.	5.2	107
6	Lattice -Mismatch-Induced Ultrastable 1T-Phase MoS ϵ -Pd/Au for Plasmon-Enhanced Hydrogen Evolution. <i>Nano Letters</i> , 2019, 19, 2758-2764.	4.5	98
7	Paramagnetic Porous Polymersomes. <i>Langmuir</i> , 2008, 24, 8169-8173.	1.6	91
8	Improved Tumor Targeting of Polymer-Based Nanovesicles Using Polymer- ϵ -Lipid Blends. <i>Bioconjugate Chemistry</i> , 2011, 22, 2021-2029.	1.8	85
9	Protoporphyrin IX (PpIX)- ϵ -Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Nanoclusters for Magnetic Resonance Imaging and Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1707030.	7.8	84
10	Targeting cartilage EGFR pathway for osteoarthritis treatment. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	83
11	Chlorin ϵ 6-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.	1.6	74
12	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.	7.3	59
13	An Intein- ϵ -Mediated Site- ϵ -Specific Click Conjugation Strategy for Improved Tumor Targeting of Nanoparticle Systems. <i>Small</i> , 2010, 6, 2460-2468.	5.2	57
14	A Multifunctional Nanoplatform for Imaging, Radiotherapy, and the Prediction of Therapeutic Response. <i>Small</i> , 2015, 11, 834-843.	5.2	54
15	Signal-off impedimetric immunosensor for the detection of Escherichia coli O157:H7. <i>Scientific Reports</i> , 2016, 6, 19806.	1.6	47
16	Facile Method for the Site- ϵ -Specific, Covalent Attachment of Full- ϵ -Length IgG onto Nanoparticles. <i>Small</i> , 2014, 10, 3354-3363.	5.2	45
17	Improved Photodynamic Therapy Efficacy of Protoporphyrin IX-Loaded Polymeric Micelles Using Erlotinib Pretreatment. <i>Biomacromolecules</i> , 2017, 18, 1836-1844.	2.6	44
18	Superoxide Dismutase- ϵ -Loaded Porous Polymersomes as Highly Efficient Antioxidants for Treating Neuropathic Pain. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700500.	3.9	41

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19	Dextran-Benzoporphyrin Derivative (BPD) Coated Superparamagnetic Iron Oxide Nanoparticle (SPION) Micelles for T ₂ -Weighted Magnetic Resonance Imaging and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2019, 30, 2974-2981.	1.8	35
20	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 ₂ . <i>Food Chemistry</i> , 2021, 349, 129171.	4.2	35
21	Superoxide dismutase-loaded porous polymersomes as highly efficient antioxidant nanoparticles targeting synovium for osteoarthritis therapy. <i>Biomaterials</i> , 2022, 283, 121437.	5.7	34
22	Stabilized monolayer 1T MoS ₂ embedded in CoOOH for highly efficient overall water splitting. <i>Nanoscale</i> , 2018, 10, 12330-12336.	2.8	33
23	Phospholipase A ₂ inhibitor-loaded micellar nanoparticles attenuate inflammation and mitigate osteoarthritis progression. <i>Science Advances</i> , 2021, 7, .	4.7	33
24	Radiofrequency-Triggered Drug Release from Nanoliposomes with Millimeter-Scale Resolution Using a Superimposed Static Gating Field. <i>Small</i> , 2018, 14, e1802563.	5.2	30
25	Self-Targeted Polysaccharide Prodrug Suppresses Orthotopic Hepatoma. <i>Molecular Pharmaceutics</i> , 2016, 13, 4231-4235.	2.3	26
26	Stabilized porous liposomes with encapsulated Gd-labeled dextran as a highly efficient MRI contrast agent. <i>Chemical Communications</i> , 2014, 50, 2502.	2.2	22
27	Monitoring Phospholipase A ₂ Activity with Gd-encapsulated Phospholipid Liposomes. <i>Scientific Reports</i> , 2014, 4, 6958.	1.6	22
28	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.	2.9	17
29	Phospholipase A ₂ Inhibitor-Loaded Phospholipid Micelles Abolish Neuropathic Pain. <i>ACS Nano</i> , 2020, 14, 8103-8115.	7.3	16
30	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.	1.4	15
31	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.	6.6	14
32	PLA-responsive and SPIO-loaded phospholipid micelles. <i>Chemical Communications</i> , 2015, 51, 12313-12315.	2.2	13
33	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, 16837-16841.	4.0	12
34	Indocyanine Green-Coated Polycaprolactone Micelles for Fluorescence Imaging of Tumors. <i>ACS Applied Bio Materials</i> , 2020, 3, 2344-2349.	2.3	12
35	Combining 3D graphene-like screen-printed carbon electrode with methylene blue-loaded liposomal nanoprobe for phospholipase A ₂ detection. <i>Biosensors and Bioelectronics</i> , 2019, 126, 255-260.	5.3	11
36	Superoxide Dismutase-Loaded Nanoparticles Attenuate Myocardial Ischemia-Reperfusion Injury and Protect against Chronic Adverse Ventricular Remodeling. <i>Advanced Therapeutics</i> , 2021, 4, 2100036.	1.6	10

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37	Quantum dot cluster (QDC)-loaded phospholipid micelles as a FRET probe for phospholipase A2 detection. RSC Advances, 2016, 6, 15895-15899.	1.7	7
38	Simultaneous Quantification of Tumor Uptake for Targeted and Nontargeted Liposomes and Their Encapsulated Contents by ICPMS. Analytical Chemistry, 2012, 84, 7578-7582.	3.2	3
39	Magnetic Nanoparticles. , 2021, , 679-698.		1