

Zachary Stephen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,996
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

4031
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetite nanoparticles for medical MR imaging. <i>Materials Today</i> , 2011, 14, 330-338.	14.2	360
2	PEG-Mediated Synthesis of Highly Dispersive Multifunctional Superparamagnetic Nanoparticles: Their Physicochemical Properties and Function <i>in Vivo</i> . <i>ACS Nano</i> , 2010, 4, 2402-2410.	14.6	250
3	Tumor-targeted drug delivery and MRI contrast enhancement by chlorotoxin-conjugated iron oxide nanoparticles. <i>Nanomedicine</i> , 2008, 3, 495-505.	3.3	172
4	Targeting of Primary Breast Cancers and Metastases in a Transgenic Mouse Model Using Rationally Designed Multifunctional SPIONs. <i>ACS Nano</i> , 2012, 6, 2591-2601.	14.6	167
5	Temozolomide Nanoparticles for Targeted Glioblastoma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6674-6682.	8.0	161
6	Redox-Responsive Magnetic Nanoparticle for Targeted Convection-Enhanced Delivery of ^{67}Cu -Benzylguanine to Brain Tumors. <i>ACS Nano</i> , 2014, 8, 10383-10395.	14.6	157
7	Theranostic Nanoparticles for RNA-Based Cancer Treatment. <i>Accounts of Chemical Research</i> , 2019, 52, 1496-1506.	15.6	111
8	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. <i>Journal of Controlled Release</i> , 2012, 162, 233-241.	9.9	83
9	3D Porous Chitosan-Alginate Scaffolds as an In Vitro Model for Evaluating Nanoparticle-Mediated Tumor Targeting and Gene Delivery to Prostate Cancer. <i>Biomacromolecules</i> , 2015, 16, 3362-3372.	5.4	62
10	Iron-Oxide-Based Nanovector for Tumor Targeted siRNA Delivery in an Orthotopic Hepatocellular Carcinoma Xenograft Mouse Model. <i>Small</i> , 2016, 12, 477-487.	10.0	58
11	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to ^{137}Cs irradiation. <i>Molecular Oncology</i> , 2015, 9, 1071-1080.	4.6	57
12	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6320-6328.	8.0	55
13	Hexanoyl-Chitosan-PEG Copolymer Coated Iron Oxide Nanoparticles for Hydrophobic Drug Delivery. <i>ACS Macro Letters</i> , 2015, 4, 403-407.	4.8	44
14	Chitosan-Coated Iron Oxide Nanoparticles for Molecular Imaging and Drug Delivery. <i>Advances in Polymer Science</i> , 2011, , 163-184.	0.8	37
15	Glypican-3 Targeting of Liver Cancer Cells Using Multifunctional Nanoparticles. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00048.	1.4	37
16	Mesoporous carbon nanoshells for high hydrophobic drug loading, multimodal optical imaging, controlled drug release, and synergistic therapy. <i>Nanoscale</i> , 2017, 9, 1434-1442.	5.6	35
17	Nanoparticle Biokinetics in Mice and Nonhuman Primates. <i>ACS Nano</i> , 2017, 11, 9514-9524.	14.6	35
18	Microfluidic Synthesis of Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 2113.	4.1	33

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19	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. <i>Cancer Research</i> , 2019, 79, 4776-4786.	0.9	28
20	Paclitaxel-Loaded Iron Oxide Nanoparticles for Targeted Breast Cancer Therapy. <i>Advanced Therapeutics</i> , 2019, 2, 1900081.	3.2	19
21	In Vivo Safety Evaluation of Polyarginine Coated Magnetic Nanovectors. <i>Molecular Pharmaceutics</i> , 2013, 10, 4099-4106.	4.6	15
22	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. <i>Bioconjugate Chemistry</i> , 2017, 28, 194-202.	3.6	15
23	A highly selective iron oxide-based imaging nanoparticle for long-term monitoring of drug-induced tumor cell apoptosis. <i>Biomaterials Science</i> , 2021, 9, 471-481.	5.4	5