Zachary Stephen

List of Publications by Year
in descending order

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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	A highly selective iron oxide-based imaging nanoparticle for long-term monitoring of drug-induced tumor cell apoptosis. Biomaterials Science, 2021, 9, 471-481.	5.4	5
2	Microfluidic Synthesis of Iron Oxide Nanoparticles. Nanomaterials, 2020, 10, 2113.	4.1	33
3	Theranostic Nanoparticles for RNA-Based Cancer Treatment. Accounts of Chemical Research, 2019, 52, 1496-1506.	15.6	111
4	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. Cancer Research, 2019, 79, 4776-4786.	0.9	28
5	Paclitaxelâ€Loaded Iron Oxide Nanoparticles for Targeted Breast Cancer Therapy. Advanced Therapeutics, 2019, 2, 1900081.	3.2	19
6	Mesoporous carbon nanoshells for high hydrophobic drug loading, multimodal optical imaging, controlled drug release, and synergistic therapy. Nanoscale, 2017, 9, 1434-1442.	5.6	35
7	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. Bioconjugate Chemistry, 2017, 28, 194-202.	3.6	15
8	Nanoparticle Biokinetics in Mice and Nonhuman Primates. ACS Nano, 2017, 11, 9514-9524.	14.6	35
9	Iron-Oxide-Based Nanovector for Tumor Targeted siRNA Delivery in an Orthotopic Hepatocellular Carcinoma Xenograft Mouse Model. Small, 2016, 12, 477-487.	10.0	58
10	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. ACS Applied Materials & Interfaces, 2016, 8, 6320-6328.	8.0	55
11	Temozolomide Nanoparticles for Targeted Glioblastoma Therapy. ACS Applied Materials & Interfaces, 2015, 7, 6674-6682.	8.0	161
12	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to Î³â€irradiation. Molecular Oncology, 2015, 9, 1071-1080.	4.6	57
13	Hexanoyl-Chitosan-PEG Copolymer Coated Iron Oxide Nanoparticles for Hydrophobic Drug Delivery. ACS Macro Letters, 2015, 4, 403-407.	4.8	44
14	3D Porous Chitosanâ€“Alginate Scaffolds as an In Vitro Model for Evaluating Nanoparticle-Mediated Tumor Targeting and Gene Delivery to Prostate Cancer. Biomacromolecules, 2015, 16, 3362-3372.	5.4	62
15	Redox-Responsive Magnetic Nanoparticle for Targeted Convection-Enhanced Delivery of O⁶-Benzylguanine to Brain Tumors. ACS Nano, 2014, 8, 10383-10395.	14.6	157
16	In Vivo Safety Evaluation of Polyarginine Coated Magnetic Nanovectors. Molecular Pharmaceutics, 2013, 10, 4099-4106.	4.6	15
17	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. Journal of Controlled Release, 2012, 162, 233-241.	9.9	83
18	Targeting of Primary Breast Cancers and Metastases in a Transgenic Mouse Model Using Rationally Designed Multifunctional SPIONs. ACS Nano, 2012, 6, 2591-2601.	14.6	167

#	Article	IF	Citations
19	Chitosan-Coated Iron Oxide Nanoparticles for Molecular Imaging and Drug Delivery. Advances in Polymer Science, 2011, , 163-184.	0.8	37
20	Glypican-3 Targeting of Liver Cancer Cells Using Multifunctional Nanoparticles. Molecular Imaging, 2011, 10, 7290.2010.00048.	1.4	37
21	Magnetite nanoparticles for medical MR imaging. Materials Today, 2011, 14, 330-338.	14.2	360
22	PEG-Mediated Synthesis of Highly Dispersive Multifunctional Superparamagnetic Nanoparticles: Their Physicochemical Properties and Function In Vivo. ACS Nano, 2010, 4, 2402-2410.	14.6	250
23	Tumor-targeted drug delivery and MRI contrast enhancement by chlorotoxin-conjugated iron oxide nanoparticles. Nanomedicine, 2008, 3, 495-505.	3.3	172