Song Shen

List of Publications by Year
in descending order

50	2,030	257450	243625
papers	citations	24 h-index	44 g-index

51	51	51	3368
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. Angewandte Chemie - International Edition, 2017, 56, 8801-8804.	13.8	179
2	A Eutectic Mixture of Natural Fatty Acids Can Serve as the Gating Material for Nearâ€Infraredâ€Triggered Drug Release. Advanced Materials, 2017, 29, 1703702.	21.0	159
3	CMCTS stabilized Fe3O4 particles with extremely low toxicity as highly efficient near-infrared photothermal agents for in vivo tumor ablation. Nanoscale, 2013, 5, 8056.	5.6	147
4	Coreâ€“shell structured Fe3O4@TiO2-doxorubicin nanoparticles for targeted chemo-sonodynamic therapy of cancer. International Journal of Pharmaceutics, 2015, 486, 380-388.	5.2	137
5	A multifunctional mesoporous silica nanocomposite for targeted delivery, controlled release of doxorubicin and bioimaging. Colloids and Surfaces B: Biointerfaces, 2013, 110, 138-147.	5.0	108
6	Dual-core@shell-structured Fe₃O₄â€“NaYF₄@TiO₂nanocomposites as a magnetic targeting drug carrier for bioimaging and combined chemo-sonodynamic therapy. Journal of Materials Chemistry B, 2014, 2, 5775-5784.	5.8	84
7	Hybrid nanoparticles for drug delivery and bioimaging: Mesoporous silica nanoparticles functionalized with carboxyl groups and a near-infrared fluorescent dye. Journal of Colloid and Interface Science, 2013, 395, 306-314.	9.4	81
8	Combination cancer treatment through photothermally controlled release of selenous acid from gold nanocages. Biomaterials, 2018, 178, 517-526.	11.4	79
9	Synthesis of CaO₂ Nanocrystals and Their Spherical Aggregates with Uniform Sizes for Use as a Biodegradable Bacteriostatic Agent. Small, 2019, 15, e1902118.	10.0	77
10	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. RSC Advances, 2016, 6, 9328-9337.	3.6	69
11	Reversible Thermochromic Nanoparticles Composed of a Eutectic Mixture for Temperature-Controlled Photothermal Therapy. Nano Letters, 2020, 20, 2137-2143.	9.1	69
12	Effect of magnetic nanoparticles size on rheumatoid arthritis targeting and photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2018, 170, 224-232.	5.0	61
13	Engineered nanoparticles disguised as macrophages for trapping lipopolysaccharide and preventing endotoxemia. Biomaterials, 2019, 189, 60-68.	11.4	60
14	Near-infrared light-responsive nanoparticles with thermosensitive yolk-shell structure for multimodal imaging and chemo-photothermal therapy of tumor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1607-1616.	3.3	56
15	Bypassing multidrug resistance in human breast cancer cells with lipid/polymer particle assemblies. International Journal of Nanomedicine, 2012, 7, 187.	6.7	49
16	Negative-charge-functionalized mesoporous silica nanoparticles as drug vehicles targeting hepatocellular carcinoma. International Journal of Pharmaceutics, 2014, 474, 223-31.	5.2	46
17	Magnetic liposomes for light-sensitive drug delivery and combined photothermalâ€“chemotherapy of tumors. Journal of Materials Chemistry B, 2019, 7, 1096-1106.	5.8	43
18	Ultrasmall iron oxide nanoparticles cause significant toxicity by specifically inducing acute oxidative stress to multiple organs. Particle and Fibre Toxicology, 2022, 19, 24.	6.2	42

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19	Ultrasound triggered drug delivery for mitochondria targeted sonodynamic therapy. Journal of Drug Delivery Science and Technology, 2017, 39, 501-507.	3.0	41
20	Azo-functionalized Fe3O4 nanoparticles: a near-infrared light triggered drug delivery system for combined therapy of cancer with low toxicity. Journal of Materials Chemistry B, 2016, 4, 3660-3669.	5.8	40
21	Reconstitution of Lowâ€Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. Angewandte Chemie - International Edition, 2017, 56, 10399-10402.	13.8	39
22	Magnetic thermosensitive micelles with upper critical solution temperature for NIR triggered drug release. Biomaterials Science, 2019, 7, 2134-2143.	5.4	37
23	PEGylated doxorubicin cloaked nano-graphene oxide for dual-responsive photochemical therapy. International Journal of Pharmaceutics, 2019, 557, 66-73.	5.2	37
24	Alginate/chitosan microcapsules for in-situ delivery of the protein, interleukin-1 receptor antagonist (IL-1Ra), for the treatment of dextran sulfate sodium (DSS)-induced colitis in a mouse model. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 137, 112-121.	4.3	34
25	Remotely controlled drug release based on iron oxide nanoparticles for specific therapy of cancer. Colloids and Surfaces B: Biointerfaces, 2017, 152, 440-448.	5.0	26
26	Appropriate Size of Fe₃O₄ Nanoparticles for Cancer Therapy by Ferroptosis. ACS Applied Bio Materials, 2022, 5, 1692-1699.	4.6	22
27	Development of a successive targeting liposome with multiâ€ligand for efficient targeting gene delivery. Journal of Gene Medicine, 2011, 13, 290-301.	2.8	20
28	Enhanced antitumor efficacy and attenuated cardiotoxicity of doxorubicin in combination with lycopene liposomes. Journal of Liposome Research, 2020, 30, 37-44.	3.3	20
29	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. Angewandte Chemie, 2017, 129, 8927-8930.	2.0	19
30	Enhancing the tactile and near-infrared sensing capabilities of electrospun PVDF nanofibers with the use of gold nanocages. Journal of Materials Chemistry C, 2018, 6, 10263-10269.	5.5	18
31	Ultra-small Fe3O4 nanoparticles for nuclei targeting drug delivery and photothermal therapy. Journal of Drug Delivery Science and Technology, 2020, 58, 101782.	3.0	18
32	Ultrasound responsive self-assembled micelles loaded with hypocrellin for cancer sonodynamic therapy. International Journal of Pharmaceutics, 2021, 608, 121052.	5.2	18
33	What potential do magnetic iron oxide nanoparticles have for the treatment of rheumatoid arthritis?. Nanomedicine, 2019, 14, 927-930.	3.3	10
34	CaO2/Fe3O4 nanocomposites for oxygen-independent generation of radicals and cancer therapy. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111803.	5.0	10
35	Tumor Exosome-Mimicking Iron Oxide Nanoparticles for Near Infrared-Responsive Drug Delivery. ACS Applied Nano Materials, 2022, 5, 996-1002.	5.0	10
36	Polymer nanoparticles regulate macrophage repolarization for antitumor treatment. Chemical Communications, 2021, 57, 6919-6922.	4.1	9

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37	Erythrocyte Membrane Coated Fe₃O₄ Nanoparticles for Near Infrared Light Responsive Drug Delivery. Chemistry Letters, 2019, 48, 1414-1416.	1.3	8
38	Doxorubicin-loaded Fe3O4@SiO2 Nanoparticles as Magnetic Targeting Agents for Combined Photothermal-chemotherapy of Cancer. Chemistry Letters, 2015, 44, 858-860.	1.3	7
39	Ultrasound-guided Tumor Sonodynamic Therapy Based on Sonosensitizer Liposome. Chemistry Letters, 2016, 45, 1304-1306.	1.3	7
40	Concise Nanoplatform of Phycocyanin Nanoparticle Loaded with Docetaxel for Synergetic Chemo-sonodynamic Antitumor Therapy. ACS Applied Bio Materials, 2021, 4, 7176-7185.	4.6	7
41	Micropatterned Polymer Nanorod Forests and Their Use for Dual Drug Loading and Regulation of Cell Adhesion. ACS Applied Materials & Interfaces, 2016, 8, 34194-34197.	8.0	6
42	Reconstitution of Lowâ€Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. Angewandte Chemie, 2017, 129, 10535-10538.	2.0	6
43	A smart material built upon the photo-thermochromic effect and its use for managing indoor temperature. Chemical Communications, 2021, 57, 8628-8631.	4.1	4
44	One-Step Fabrication of Multifunctional PLGA-HMME-DTX@MnO2 Nanoparticles for Enhanced Chemo-Sonodynamic Antitumor Treatment. International Journal of Nanomedicine, 0, Volume 17, 2577-2591.	6.7	4
45	Fe₃O₄@TiO₂ Nanocomposites for Magnetic Targeting Sonodynamic Therapy of Cancer. Key Engineering Materials, 0, 636, 129-132.	0.4	2
46	Facile synthesis of ultrasmall magnesium peroxide nanoparticles for antibacterial applications. Materials Letters, 2021, 302, 130380.	2.6	2
47	Oxygen-independent Free Radicals Induced by Photothermal Effect of Fe₃O₄ for Hypoxic Cancer Therapy. Chemistry Letters, 2022, 51, 633-635.	1.3	2
48	Phycocyanin Nanoparticle as a Novel Sonosensitizer for Tumor Sonodynamic Therapy of Michigan Cancer Foundation-7 Cells In Vitro. Journal of Nanoscience and Nanotechnology, 2021, 21, 3035-3040.	0.9	1
49	RÃ¼cktitelbild: A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells (Angew. Chem. 30/2017). Angewandte Chemie, 2017, 129, 9030-9030.	2.0	0
50	Lipid Nanoparticles for the Controlled Generation of Free Radicals and Effective Treatment of Hypoxic Cancer. Chemistry Letters, 2020, 49, 817-819.	1.3	0