Jin Xie

List of Publications by Year
in descending order

93 papers	13,582 citations	31902 53 h-index	39575 94 g-index
100 all docs	100 docs citations	100 times ranked	18595 citing authors

#	Article	IF	Citations
1	Nanoscintillator-Based X-Ray-Induced Photodynamic Therapy. Methods in Molecular Biology, 2022, 2394, 811-822.	0.4	4
2	7â€Dehydrocholesterol Encapsulated Polymeric Nanoparticles As a Radiationâ€Responsive Sensitizer for Enhancing Radiation Therapy. Small, 2022, , 2200710.	5.2	4
3	Radiodynamic therapy with CsI(na)@MgO nanoparticles and 5-aminolevulinic acid. Journal of Nanobiotechnology, 2022, 20, .	4.2	3
4	FAPâ€Targeted Photodynamic Therapy Mediated by Ferritin Nanoparticles Elicits an Immune Response against Cancer Cells and Cancer Associated Fibroblasts. Advanced Functional Materials, 2021, 31, 2007017.	7.8	37
5	Ultrasmall Gd@Cdots as a radiosensitizing agent for non-small cell lung cancer. Nanoscale, 2021, 13, 9252-9263.	2.8	11
6	Multiplexed labeling of cellular proteins with split fluorescent protein tags. Communications Biology, 2021, 4, 257.	2.0	13
7	Cell-typeâ€“specific, multicolor labeling of endogenous proteins with split fluorescent protein tags in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
8	Nanoconjugates to enhance PDT-mediated cancer immunotherapy by targeting the indoleamine-2,3-dioxygenase pathway. Journal of Nanobiotechnology, 2021, 19, 182.	4.2	23
9	Image-guided selection of Gd@C-dots as sensitizers to improve radiotherapy of non-small cell lung cancer. Journal of Nanobiotechnology, 2021, 19, 284.	4.2	16
10	A Novel PET Probe for Brown Adipose Tissue Imaging in Rodents. Molecular Imaging and Biology, 2020, 22, 675-684.	1.3	8
11	Acridine Orange Encapsulated Mesoporous Manganese Dioxide Nanoparticles to Enhance Radiotherapy. Bioconjugate Chemistry, 2020, 31, 82-92.	1.8	27
12	Affibody-Modified Gd@C-Dots with Efficient Renal Clearance for Enhanced MRI of EGFR Expression in Non-Small-Cell Lung Cancer . International Journal of Nanomedicine, 2020, Volume 15, 4691-4703.	3.3	9
13	Nanoparticle Phototherapy in the Era of Cancer Immunotherapy. Trends in Chemistry, 2020, 2, 1082-1095.	4.4	23
14	Ultrathin gold nanowires to enhance radiation therapy. Journal of Nanobiotechnology, 2020, 18, 131.	4.2	15
15	Barium tungstate nanoparticles to enhance radiation therapy against cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102230.	1.7	7
16	3Dâ€Nanostructured Scaffolds: Gravity Drawing of Microâ€•and Nanofibers for Additive Manufacturing of Wellâ€Organized 3Dâ€Nanostructured Scaffolds (Small 11/2020). Small, 2020, 16, 2070056.	5.2	0
17	Gravity Drawing of Microâ€•and Nanofibers for Additive Manufacturing of Wellâ€Organized 3Dâ€Nanostructured Scaffolds. Small, 2020, 16, 1907422.	5.2	7
18	Nanoparticles Encapsulating Nitrosylated Maytansine To Enhance Radiation Therapy. ACS Nano, 2020, 14, 1468-1481.	7.3	69

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19	Nanoparticles to mediate Xâ€rayâ€induced photodynamic therapy and Cherenkov radiation photodynamic therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1541.	3.3	79
20	Gd-encapsulated carbonaceous dots for accurate characterization of tumor vessel permeability in magnetic resonance imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102074.	1.7	6
21	Monodisperse nanoparticles for catalysis and nanomedicine. Nanoscale, 2019, 11, 18946-18967.	2.8	61
22	NaCl Nanoparticles as a Cancer Therapeutic. Advanced Materials, 2019, 31, e1904058.	11.1	74
23	Tumor antigen-independent and cell size variation-inclusive enrichment of viable circulating tumor cells. Lab on A Chip, 2019, 19, 1860-1876.	3.1	43
24	Wet/Sonoâ€Chemical Synthesis of Enzymatic Twoâ€Dimensional MnO₂ Nanosheets for Synergistic Catalysisâ€Enhanced Phototheranostics. Advanced Materials, 2019, 31, e1900401.	11.1	139
25	Breaking the Depth Dependence by Nanotechnologyâ€Enhanced Xâ€Rayâ€Excited Deep Cancer Theranostics. Advanced Materials, 2019, 31, e1806381.	11.1	125
26	LiF@SiO2 nanocapsules for controlled lithium release and osteoarthritis treatment. Nano Research, 2018, 11, 5751-5760.	5.8	8
27	High-efficiency oxygen reduction to hydrogen peroxide catalysed by oxidized carbon materials. Nature Catalysis, 2018, 1, 156-162.	16.1	1,120
28	Acidity/Reducibility Dual-Responsive Hollow Mesoporous Organosilica Nanoplatforms for Tumor-Specific Self-Assembly and Synergistic Therapy. ACS Nano, 2018, 12, 12269-12283.	7.3	86
29	Nanoparticleâ€Laden Macrophages for Tumorâ€Tropic Drug Delivery. Advanced Materials, 2018, 30, e1805557.	11.1	143
30	Photosensitizer-Encapsulated Ferritins Mediate Photodynamic Therapy against Cancer-Associated Fibroblasts and Improve Tumor Accumulation of Nanoparticles. Molecular Pharmaceutics, 2018, 15, 3595-3599.	2.3	55
31	Gadoliniumâ€Encapsulated Graphene Carbon Nanotheranostics for Imagingâ€Guided Photodynamic Therapy. Advanced Materials, 2018, 30, e1802748.	11.1	135
32	Multi-parameter MRI to investigate vasculature modulation and photo-thermal ablation combination therapy against cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2179-2189.	1.7	4
33	Surface impact on nanoparticle-based magnetic resonance imaging contrast agents. Theranostics, 2018, 8, 2521-2548.	4.6	149
34	Protein-Adsorbed Magnetic-Nanoparticle-Mediated Assay for Rapid Detection of Bacterial Antibiotic Resistance. Bioconjugate Chemistry, 2017, 28, 890-896.	1.8	14
35	Rethinking cancer nanotheranostics. Nature Reviews Materials, 2017, 2, .	23.3	860
36	Biocompatible and label-free separation of cancer cells from cell culture lines from white blood cells in ferrofluids. Lab on A Chip, 2017, 17, 2243-2255.	3.1	55

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37	Protein Nanocage Mediated Fibroblast-Activation Protein Targeted Photoimmunotherapy To Enhance Cytotoxic T Cell Infiltration and Tumor Control. Nano Letters, 2017, 17, 862-869.	4.5	167
38	LiGa₅O₈:Cr-based theranostic nanoparticles for imaging-guided X-ray induced photodynamic therapy of deep-seated tumors. Materials Horizons, 2017, 4, 1092-1101.	6.4	128
39	Light-Mediated Deep-Tissue Theranostics. Theranostics, 2016, 6, 2292-2294.	4.6	12
40	X-Ray Induced Photodynamic Therapy: A Combination of Radiotherapy and Photodynamic Therapy. Theranostics, 2016, 6, 2295-2305.	4.6	171
41	Gd Carbon Dots: Mesoporous Silica as Nanoreactors to Prepare Gd-Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties (Adv. Funct. Mater. 22/2016). Advanced Functional Materials, 2016, 26, 4036-4036.	7.8	4
42	Mesoporous Silica as Nanoreactors to Prepare Gdâ€Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties. Advanced Functional Materials, 2016, 26, 3973-3982.	7.8	58
43	Monitoring of the tumor response to nano-graphene oxide-mediated photothermal/photodynamic therapy by diffusion-weighted and BOLD MRI. Nanoscale, 2016, 8, 10152-10159.	2.8	50
44	Red Blood Cellâ€Facilitated Photodynamic Therapy for Cancer Treatment. Advanced Functional Materials, 2016, 26, 1757-1768.	7.8	167
45	Diffusion-Weighted Magnetic Resonance Imaging for Therapy Response Monitoring and Early Treatment Prediction of Photothermal Therapy. ACS Applied Materials & Interfaces, 2016, 8, 5137-5147.	4.0	44
46	Gd and Eu Co-Doped Nanoscale Metalâ€“Organic Framework as a T1â€“T2 Dual-Modal Contrast Agent for Magnetic Resonance Imaging. Tomography, 2016, 2, 179-187.	0.8	25
47	Casein-Coated Fe₅C₂ Nanoparticles with Superior r₂ Relaxivity for Liver-Specific Magnetic Resonance Imaging. Theranostics, 2015, 5, 1225-1232.	4.6	33
48	Molecular Magnetic Resonance Imaging of Angiogenesis In Vivo using Polyvalent Cyclic RGD-Iron Oxide Microparticle Conjugates. Theranostics, 2015, 5, 515-529.	4.6	54
49	Folic acid conjugated ferritins as photosensitizer carriers for photodynamic therapy. Nanoscale, 2015, 7, 10330-10333.	2.8	30
50	Nanoscintillator-Mediated X-ray Inducible Photodynamic Therapy for In Vivo Cancer Treatment. Nano Letters, 2015, 15, 2249-2256.	4.5	312
51	Photostimulable Near-Infrared Persistent Luminescent Nanoprobes for Ultrasensitive and Longitudinal Deep-Tissue Bio-Imaging. Theranostics, 2014, 4, 1112-1122.	4.6	104
52	Gdâ€Encapsulated Carbonaceous Dots with Efficient Renal Clearance for Magnetic Resonance Imaging. Advanced Materials, 2014, 26, 6761-6766.	11.1	151
53	Composite magnetic nanoparticles: Synthesis and cancer-related applications. Chinese Physics B, 2014, 23, 117504.	0.7	2
54	Fe₅C₂ Nanoparticles with High MRI Contrast Enhancement for Tumor Imaging. Small, 2014, 10, 1245-1249.	5.2	58

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55	Iron oxide nanoparticle encapsulated diatoms for magnetic delivery of small molecules to tumors. Nanoscale, 2014, 6, 2073.	2.8	70
56	Ferritins as nanoplatforms for imaging and drug delivery. Expert Opinion on Drug Delivery, 2014, 11, 1913-1922.	2.4	49
57	Tumor Vasculature Targeted Photodynamic Therapy for Enhanced Delivery of Nanoparticles. ACS Nano, 2014, 8, 6004-6013.	7.3	218
58	Nanoparticles for improving cancer diagnosis. Materials Science and Engineering Reports, 2013, 74, 35-69.	14.8	94
59	Ferritin Nanocages To Encapsulate and Deliver Photosensitizers for Efficient Photodynamic Therapy against Cancer. ACS Nano, 2013, 7, 6988-6996.	7.3	246
60	Ferritin nanocages: great potential as clinically translatable drug delivery vehicles?. Nanomedicine, 2013, 8, 1555-1557.	1.7	26
61	Photostimulated near-infrared persistent luminescence as a new optical read-out from Cr3+-doped LiGa5O8. Scientific Reports, 2013, 3, 1554.	1.6	388
62	RGD-Modified Apoferritin Nanoparticles for Efficient Drug Delivery to Tumors. ACS Nano, 2013, 7, 4830-4837.	7.3	308
63	Label-Free Luminescent Mesoporous Silica Nanoparticles for Imaging and Drug Delivery. Theranostics, 2013, 3, 650-657.	4.6	85
64	Polyaspartic Acid Coated Iron Oxide Nanoprobes for PET/MRI Imaging. Methods in Molecular Biology, 2013, 1025, 225-235.	0.4	9
65	Molecular Imaging in Early Detection of Cancer. , 2012, , 951-978.		2
66	Development of Manganese-Based Nanoparticles as Contrast Probes for Magnetic Resonance Imaging. Theranostics, 2012, 2, 45-54.	4.6	123
67	Magnetic Nanoparticle-Based Theranostics. Theranostics, 2012, 2, 122-124.	4.6	78
68	Back Cover: Sticky Nanoparticles: A Platform for siRNA Delivery by a Bis(zinc(II)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (dipicolyla Angewandte Chemie - International Edition, 2012, 51, 558-558.	7.2	1
69	Chimeric ferritin nanocages-based imaging probes. , 2011, , .		0
70	Manipulating the Power of an Additional Phase: A Flower-like Auâ^'Fe₃O₄ Optical Nanosensor for Imaging Protease Expressions In vivo. ACS Nano, 2011, 5, 3043-3051.	7.3	98
71	Surface-Engineered Magnetic Nanoparticle Platforms for Cancer Imaging and Therapy. Accounts of Chemical Research, 2011, 44, 883-892.	7.6	520
72	HSA Coated Iron Oxide Nanoparticles as Drug Delivery Vehicles for Cancer Therapy. Molecular Pharmaceutics, 2011, 8, 1669-1676.	2.3	195

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73	Chimeric Ferritin Nanocages for Multiple Function Loading and Multimodal Imaging. Nano Letters, 2011, 11, 814-819.	4.5	240
74	Polyaspartic acid coated manganese oxide nanoparticles for efficient liver MRI. Nanoscale, 2011, 3, 4943.	2.8	38
75	Hybrid Ferritin Nanoparticles as Activatable Probes for Tumor Imaging. Angewandte Chemie - International Edition, 2011, 50, 1569-1572.	7.2	105
76	Nanoparticle-based theranostic agents. Advanced Drug Delivery Reviews, 2010, 62, 1064-1079.	6.6	1,235
77	PET/NIRF/MRI triple functional iron oxide nanoparticles. Biomaterials, 2010, 31, 3016-3022.	5.7	456
78	Ultrasmall Nearâ€Infrared Nonâ€cadmium Quantum Dots for in vivo Tumor Imaging. Small, 2010, 6, 256-261.	5.2	174
79	HSA coated MnO nanoparticles with prominent MRI contrast for tumor imaging. Chemical Communications, 2010, 46, 6684.	2.2	132
80	Human serum albumin coated iron oxide nanoparticles for efficient celllabeling. Chemical Communications, 2010, 46, 433-435.	2.2	112
81	Effects of Nanoparticle Size on Cellular Uptake and Liver MRI with Polyvinylpyrrolidone-Coated Iron Oxide Nanoparticles. ACS Nano, 2010, 4, 7151-7160.	7.3	417
82	Peptides and Peptide Hormones for Molecular Imaging and Disease Diagnosis. Chemical Reviews, 2010, 110, 3087-3111.	23.0	300
83	Triblock copolymer coated iron oxide nanoparticle conjugate for tumor integrin targeting. Biomaterials, 2009, 30, 6912-6919.	5.7	147
84	Synthesis of Co/MFe2O4 (M=Fe, Mn) core/shell nanocomposite particles. Journal of Solid State Chemistry, 2008, 181, 1560-1564.	1.4	42
85	Auâ€“Fe₃O₄ Dumbbell Nanoparticles as Dualâ€Functional Probes. Angewandte Chemie - International Edition, 2008, 47, 173-176.	7.2	490
86	Monodisperse Magnetite Nanoparticles Coupled with Nuclear Localization Signal Peptide for Cellâ€Nucleus Targeting. Chemistry - an Asian Journal, 2008, 3, 548-552.	1.7	50
87	Synthesis and characterization of PVP-coated large core iron oxide nanoparticles as an MRI contrast agent. Nanotechnology, 2008, 19, 165101.	1.3	108
88	Detection of DNA labeled with magnetic nanoparticles using MgO-based magnetic tunnel junction sensors. Journal of Applied Physics, 2008, 103, .	1.1	60
89	Ultrasmall c(RGDyK)-Coated Fe₃O₄ Nanoparticles and Their Specific Targeting to Integrin Î±_vÎ²₃-Rich Tumor Cells. Journal of the American Chemical Society, 2008, 130, 7542-7543.	6.6	405
90	PET/MRI Dual-Modality Tumor Imaging Using Arginine-Glycine-Aspartic (RGD)â€“Conjugated Radiolabeled Iron Oxide Nanoparticles. Journal of Nuclear Medicine, 2008, 49, 1371-1379.	2.8	507

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91	One-pot synthesis of monodisperse iron oxide nanoparticles for potential biomedical applications. Pure and Applied Chemistry, 2006, 78, 1003-1014.	0.9	150
92	Synthesis and Stabilization of Monodisperse Fe Nanoparticles. Journal of the American Chemical Society, 2006, 128, 10676-10677.	6.6	483
93	Linking Hydrophilic Macromolecules to Monodisperse Magnetite (Fe3O4) Nanoparticles via Trichloro-s-triazine. Chemistry of Materials, 2006, 18, 5401-5403.	3.2	185