Jiangbing Zhou

List of Publications by Year in descending order

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61 papers	4,254 citations	182225 30 h-index	145109 60 g-index
63 all docs	63 docs citations	63 times ranked	7816 citing authors

#	Article	IF	Citations
1	Targeted Therapeutics for Rare Disorders. , 2024, , 249-271.		1
2	Betulinic acid self-assembled nanoparticles for effective treatment of glioblastoma. Journal of Nanobiotechnology, 2022, 20, 39.	4.2	12
3	Targeted disruption of tumor vasculature via polyphenol nanoparticles to improve brain cancer treatment. Cell Reports Physical Science, 2022, 3, 100691.	2.8	10
4	Epigenetic regulation of EIF4A1 through DNA methylation and an oncogenic role of eIF4A1 through BRD2 signaling in prostate cancer. Oncogene, 2022, 41, 2778-2785.	2.6	6
5	Brain Targeting, Antioxidant Polymeric Nanoparticles for Stroke Drug Delivery and Therapy. Small, 2022, 18, e2107126.	5.2	12
6	Preclinical Models of Brain Metastases in Breast Cancer. Biomedicines, 2022, 10, 667.	1.4	4
7	Brain-targeting, acid-responsive antioxidant nanoparticles for stroke treatment and drug delivery. Bioactive Materials, 2022, 16, 57-65.	8.6	18
8	ZNF117 regulates glioblastoma stem cell differentiation towards oligodendroglial lineage. Nature Communications, 2022, 13, 2196.	5.8	9
9	The microRNA-3622 family at the 8p21 locus exerts oncogenic effects by regulating the p53-downstream gene network in prostate cancer progression. Oncogene, 2022, , .	2.6	3
10	Topical Capsaicin in Poly(lactic-co-glycolic)acid (PLGA) Nanoparticles Decreases Acute Itch and Heat Pain. International Journal of Molecular Sciences, 2022, 23, 5275.	1.8	8
11	Inhibition of NETosis by a Nuclear-Penetrating Anti-DNA Autoantibody. ImmunoHorizons, 2022, 6, 356-365.	0.8	3
12	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	13.7	84
13	ENT2 facilitates brain endothelial cell penetration and blood-brain barrier transport by a tumor-targeting anti-DNA autoantibody. JCI Insight, 2021, 6, .	2.3	4
14	Phytonanomaterials as therapeutic agents and drug delivery carriers. Advanced Drug Delivery Reviews, 2021, 176, 113868.	6.6	12
15	Vessel-Targeting Nanoclovers Enable Noninvasive Delivery of Magnetic Hyperthermiaâ€“Chemotherapy Combination for Brain Cancer Treatment. Nano Letters, 2021, 21, 8111-8118.	4.5	19
16	Liposome-Templated Hydrogel Nanoparticles for Targeted Delivery of CRISPR/Cas9 to Brain Tumors. Neuromethods, 2021, , 245-257.	0.2	1
17	PLEKHA5 regulates tumor growth in metastatic melanoma. Cancer, 2020, 126, 1016-1030.	2.0	12
18	64. AN ENT2-DEPENDENT, CELL-PENETRATING, AND DNA-DAMAGING LUPUS AUTOANTIBODY CROSSES THE BLOOD-BRAIN BARRIER TO TARGET BRAIN TUMORS. Neuro-Oncology Advances, 2020, 2, ii13-ii13.	0.4	0

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19	LRRC31 inhibits DNA repair and sensitizes breast cancer brain metastasis to radiation therapy. Nature Cell Biology, 2020, 22, 1276-1285.	4.6	39
20	Thermosensitive Exosomeâ€“Liposome Hybrid Nanoparticleâ€Mediated Chemoimmunotherapy for Improved Treatment of Metastatic Peritoneal Cancer. Advanced Science, 2020, 7, 2000515.	5.6	99
21	Mutation-Directed Therapeutics for Neurofibromatosis Type I. Molecular Therapy - Nucleic Acids, 2020, 20, 739-753.	2.3	16
22	Copresentation of Tumor Antigens and Costimulatory Molecules via Biomimetic Nanoparticles for Effective Cancer Immunotherapy. Nano Letters, 2020, 20, 4084-4094.	4.5	35
23	Synergistic Chemotherapy for Breast Cancer and Breast Cancer Brain Metastases via Paclitaxel-Loaded Oleanolic Acid Nanoparticles. Molecular Pharmaceutics, 2020, 17, 1343-1351.	2.3	47
24	Targeted tumour theranostics in mice via carbon quantum dots structurally mimicking large amino acids. Nature Biomedical Engineering, 2020, 4, 704-716.	11.6	243
25	Autocatalytic Delivery of Brain Tumorâ€“Targeting, Sizeâ€Shrinkable Nanoparticles for Treatment of Breast Cancer Brain Metastases. Advanced Functional Materials, 2020, 30, 1910651.	7.8	28
26	Targeted Delivery of Secretory Promelittin via Novel Poly(lactoneâ€coâ€Î²â€amino ester) Nanoparticles for Treatment of Breast Cancer Brain Metastases. Advanced Science, 2020, 7, 1901866.	5.6	31
27	Targeted Drug Delivery to Stroke via Chemotactic Recruitment of Nanoparticles Coated with Membrane of Engineered Neural Stem Cells. Small, 2019, 15, e1902011.	5.2	88
28	Single small molecule-assembled nanoparticles mediate efficient oral drug delivery. Nano Research, 2019, 12, 2468-2476.	5.8	36
29	Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles. Theranostics, 2019, 9, 6991-7002.	4.6	54
30	Secreted Protein Acidic and Cysteine Rich (SPARC) Regulates the Pathological Response to Ischemic Insults and Represents a Promising Therapeutic Target for Stroke Treatment. Advanced Therapeutics, 2019, 2, 1900082.	1.6	1
31	Organâ€onâ€aâ€Chip: Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculatureâ€onâ€aâ€Chip System Correlates with Tumor Heterogeneity and Subtypes (Adv. Sci. 8/2019). Advanced Science, 2019, 6, 1970046.	5.6	0
32	Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculatureâ€onâ€aâ€Chip System Correlates with Tumor Heterogeneity and Subtypes. Advanced Science, 2019, 6, 1801531.	5.6	69
33	Anti-nociceptive effects of bupivacaine-encapsulated PLGA nanoparticles applied to the compressed dorsal root ganglion in mice. Neuroscience Letters, 2018, 668, 154-158.	1.0	14
34	Activatable Protein Nanoparticles for Targeted Delivery of Therapeutic Peptides. Advanced Materials, 2018, 30, 1705383.	11.1	38
35	Vascular Intervention: From Angioplasty to Bioresorbable Vascular Scaffold. Advances in Experimental Medicine and Biology, 2018, 1097, 181-189.	0.8	3
36	Nitrogen-Rich D-Ï€-A Structural Carbon Quantum Dots with a Bright Two-Photon Fluorescence for Deep-Tissue Imaging. ACS Applied Bio Materials, 2018, 1, 853-858.	2.3	37

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37	Bridging from Brain to Tumor Imaging: (S)-(â^')- and (R)-(+)-[18F]Fluspidine for Investigation of Sigma-1 Receptors in Tumor-Bearing Mice. Molecules, 2018, 23, 702.	1.7	9
38	Thrombin-Responsive, Brain-Targeting Nanoparticles for Improved Stroke Therapy. ACS Nano, 2018, 12, 8723-8732.	7.3	86
39	piRNA-8041 is downregulated in human glioblastoma and suppresses tumor growth in vitro and in vivo. Oncotarget, 2018, 9, 37616-37626.	0.8	43
40	pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis. Nanoscale, 2017, 9, 4928-4933.	2.8	122
41	Targeted Delivery of CRISPR/Cas9â€Mediated Cancer Gene Therapy via Liposomeâ€Templated Hydrogel Nanoparticles. Advanced Functional Materials, 2017, 27, 1703036.	7.8	210
42	Enzymatic PEG-Poly(amine-co-disulfide ester) Nanoparticles as pH- and Redox-Responsive Drug Nanocarriers for Efficient Antitumor Treatment. ACS Applied Materials & Interfaces, 2017, 9, 30519-30535.	4.0	41
43	Targeted drug delivery to ischemic stroke via chlorotoxin-anchored, lexiscan-loaded nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1833-1842.	1.7	79
44	Characterization of 2-hydroxy-1-naphthaldehyde isonicotinoyl hydrazone as a novel inhibitor of methionine aminopeptidases from Mycobacterium tuberculosis. Tuberculosis, 2016, 101, S73-S77.	0.8	18
45	Increased Nanoparticle Delivery to Brain Tumors by Autocatalytic Priming for Improved Treatment and Imaging. ACS Nano, 2016, 10, 4209-4218.	7.3	103
46	A lupus anti-DNA autoantibody mediates autocatalytic, targeted delivery of nanoparticles to tumors. Oncotarget, 2016, 7, 59965-59975.	0.8	11
47	Novel microcatheter-based intracarotid delivery approach for MCAO/R mice. Neuroscience Letters, 2015, 597, 127-131.	1.0	11
48	Imaging the delivery of brain-penetrating PLGA nanoparticles in the brain using magnetic resonance. Journal of Neuro-Oncology, 2015, 121, 441-449.	1.4	44
49	EMMPRIN regulates tumor growth and metastasis by recruiting bone marrow-derived cells through paracrine signaling of SDF-1 and VEGF. Oncotarget, 2015, 6, 32575-32585.	0.8	29
50	Multi-layered nanoparticles for combination gene and drug delivery to tumors. Biomaterials, 2014, 35, 9343-9354.	5.7	55
51	Highly penetrative, drug-loaded nanocarriers improve treatment of glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11751-11756.	3.3	222
52	Novel Delivery Strategies for Glioblastoma. Cancer Journal (Sudbury, Mass), 2012, 18, 89-99.	1.0	109
53	Biodegradable poly(amine-co-ester) terpolymers for targeted gene delivery. Nature Materials, 2012, 11, 82-90.	13.3	360
54	Polymeric nanoparticles for drug delivery to the central nervous system. Advanced Drug Delivery Reviews, 2012, 64, 701-705.	6.6	427

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55	Octa-functional PLGA nanoparticles for targeted and efficient siRNA delivery to tumors. Biomaterials, 2012, 33, 583-591.	5.7	160
56	Enzymeâ€synthesized poly(amineâ€coâ€esters) as nonviral vectors for gene delivery. Journal of Biomedical Materials Research - Part A, 2011, 96A, 456-465.	2.1	41
57	Preclinical development of cancer stem cell drugs. Expert Opinion on Drug Discovery, 2009, 4, 741-752.	2.5	7
58	Cancer stem/progenitor cell active compound 8-quinolinol in combination with paclitaxel achieves an improved cure of breast cancer in the mouse model. Breast Cancer Research and Treatment, 2009, 115, 269-277.	1.1	42
59	NF-ÎºB pathway inhibitors preferentially inhibit breast cancer stem-like cells. Breast Cancer Research and Treatment, 2008, 111, 419-427.	1.1	198
60	Cancer stem cells: Models, mechanisms and implications for improved treatment. Cell Cycle, 2008, 7, 1360-1370.	1.3	84
61	Activation of the PTEN/mTOR/STAT3 pathway in breast cancer stem-like cells is required for viability and maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16158-16163.	3.3	625