

# Jiangbing Zhou

## List of Publications by Year in descending order

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61  
papers

4,254  
citations

147786

31  
h-index

128286

60  
g-index

63  
all docs

63  
docs citations

63  
times ranked

6951  
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.	9.1	12
3	Targeted disruption of tumor vasculature via polyphenol nanoparticles to improve brain cancer treatment. Cell Reports Physical Science, 2022, 3, 100691.	5.6	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.	5.9	6
5	Brain Targeting, Antioxidant Polymeric Nanoparticles for Stroke Drug Delivery and Therapy. Small, 2022, 18, e2107126.	10.0	12
6	Preclinical Models of Brain Metastases in Breast Cancer. Biomedicines, 2022, 10, 667.	3.2	4
7	Brain-targeting, acid-responsive antioxidant nanoparticles for stroke treatment and drug delivery. Bioactive Materials, 2022, 16, 57-65.	15.6	18
8	ZNF117 regulates glioblastoma stem cell differentiation towards oligodendroglial lineage. Nature Communications, 2022, 13, 2196.	12.8	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, , .	5.9	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.	4.1	8
11	Inhibition of NETosis by a Nuclear-Penetrating Anti-DNA Autoantibody. ImmunoHorizons, 2022, 6, 356-365.	1.8	3
12	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84
13	ENT2 facilitates brain endothelial cell penetration and blood-brain barrier transport by a tumor-targeting anti-DNA autoantibody. JCI Insight, 2021, 6, .	5.0	4
14	Phytonanomaterials as therapeutic agents and drug delivery carriers. Advanced Drug Delivery Reviews, 2021, 176, 113868.	13.7	12
15	Vessel-Targeting Nanoclovers Enable Noninvasive Delivery of Magnetic Hyperthermiaâ€“Chemotherapy Combination for Brain Cancer Treatment. Nano Letters, 2021, 21, 8111-8118.	9.1	19
16	Liposome-Templated Hydrogel Nanoparticles for Targeted Delivery of CRISPR/Cas9 to Brain Tumors. Neuromethods, 2021, , 245-257.	0.3	1
17	PLEKHA5 regulates tumor growth in metastatic melanoma. Cancer, 2020, 126, 1016-1030.	4.1	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.	0.7	0

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19	LRRC31 inhibits DNA repair and sensitizes breast cancer brain metastasis to radiation therapy. <i>Nature Cell Biology</i> , 2020, 22, 1276-1285.	10.3	39
20	Thermosensitive Exosome-Liposome Hybrid Nanoparticle-Mediated Chemoimmunotherapy for Improved Treatment of Metastatic Peritoneal Cancer. <i>Advanced Science</i> , 2020, 7, 2000515.	11.2	99
21	Mutation-Directed Therapeutics for Neurofibromatosis Type I. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 739-753.	5.1	16
22	Copresentation of Tumor Antigens and Costimulatory Molecules via Biomimetic Nanoparticles for Effective Cancer Immunotherapy. <i>Nano Letters</i> , 2020, 20, 4084-4094.	9.1	35
23	Synergistic Chemotherapy for Breast Cancer and Breast Cancer Brain Metastases via Paclitaxel-Loaded Oleanolic Acid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2020, 17, 1343-1351.	4.6	47
24	Targeted tumour theranostics in mice via carbon quantum dots structurally mimicking large amino acids. <i>Nature Biomedical Engineering</i> , 2020, 4, 704-716.	22.5	243
25	Autocatalytic Delivery of Brain Tumor-Targeting, Size-Shrinkable Nanoparticles for Treatment of Breast Cancer Brain Metastases. <i>Advanced Functional Materials</i> , 2020, 30, 1910651.	14.9	28
26	Targeted Delivery of Secretory Promelittin via Novel Poly(lactone-co- $\epsilon$ -caprolactone) Nanoparticles for Treatment of Breast Cancer Brain Metastases. <i>Advanced Science</i> , 2020, 7, 1901866.	11.2	31
27	Targeted Drug Delivery to Stroke via Chemotactic Recruitment of Nanoparticles Coated with Membrane of Engineered Neural Stem Cells. <i>Small</i> , 2019, 15, e1902011.	10.0	88
28	Single small molecule-assembled nanoparticles mediate efficient oral drug delivery. <i>Nano Research</i> , 2019, 12, 2468-2476.	10.4	36
29	Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles. <i>Theranostics</i> , 2019, 9, 6991-7002.	10.0	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. <i>Advanced Therapeutics</i> , 2019, 2, 1900082.	3.2	1
31	Organ-on-a-Chip: Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes (Adv. Sci. 8/2019). <i>Advanced Science</i> , 2019, 6, 1970046.	11.2	0
32	Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes. <i>Advanced Science</i> , 2019, 6, 1801531.	11.2	69
33	Anti-nociceptive effects of bupivacaine-encapsulated PLGA nanoparticles applied to the compressed dorsal root ganglion in mice. <i>Neuroscience Letters</i> , 2018, 668, 154-158.	2.1	14
34	Activatable Protein Nanoparticles for Targeted Delivery of Therapeutic Peptides. <i>Advanced Materials</i> , 2018, 30, 1705383.	21.0	38
35	Vascular Intervention: From Angioplasty to Bioresorbable Vascular Scaffold. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1097, 181-189.	1.6	3
36	Nitrogen-Rich D- $\beta$ -A Structural Carbon Quantum Dots with a Bright Two-Photon Fluorescence for Deep-Tissue Imaging. <i>ACS Applied Bio Materials</i> , 2018, 1, 853-858.	4.6	37

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37	Bridging from Brain to Tumor Imaging: (S)-( $\alpha$ )- and (R)-(+)-[18F]Fluspidine for Investigation of Sigma-1 Receptors in Tumor-Bearing Mice. <i>Molecules</i> , 2018, 23, 702.	3.8	9
38	Thrombin-Responsive, Brain-Targeting Nanoparticles for Improved Stroke Therapy. <i>ACS Nano</i> , 2018, 12, 8723-8732.	14.6	86
39	piRNA-8041 is downregulated in human glioblastoma and suppresses tumor growth <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2018, 9, 37616-37626.	1.8	43
40	pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis. <i>Nanoscale</i> , 2017, 9, 4928-4933.	5.6	122
41	Targeted Delivery of CRISPR/Cas9-Mediated Cancer Gene Therapy via Liposome-Templated Hydrogel Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1703036.	14.9	210
42	Enzymatic PEG-Poly(amine-co-disulfide ester) Nanoparticles as pH- and Redox-Responsive Drug Nanocarriers for Efficient Antitumor Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30519-30535.	8.0	41
43	Targeted drug delivery to ischemic stroke via chlorotoxin-anchored, leixican-loaded nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1833-1842.	3.3	79
44	Characterization of 2-hydroxy-1-naphthaldehyde isonicotinoyl hydrazone as a novel inhibitor of methionine aminopeptidases from <i>Mycobacterium tuberculosis</i> . <i>Tuberculosis</i> , 2016, 101, S73-S77.	1.9	18
45	Increased Nanoparticle Delivery to Brain Tumors by Autocatalytic Priming for Improved Treatment and Imaging. <i>ACS Nano</i> , 2016, 10, 4209-4218.	14.6	103
46	A lupus anti-DNA autoantibody mediates autocatalytic, targeted delivery of nanoparticles to tumors. <i>Oncotarget</i> , 2016, 7, 59965-59975.	1.8	11
47	Novel microcatheter-based intracarotid delivery approach for MCAO/R mice. <i>Neuroscience Letters</i> , 2015, 597, 127-131.	2.1	11
48	Imaging the delivery of brain-penetrating PLGA nanoparticles in the brain using magnetic resonance. <i>Journal of Neuro-Oncology</i> , 2015, 121, 441-449.	2.9	44
49	EMMPRIN regulates tumor growth and metastasis by recruiting bone marrow-derived cells through paracrine signaling of SDF-1 and VEGF. <i>Oncotarget</i> , 2015, 6, 32575-32585.	1.8	29
50	Multi-layered nanoparticles for combination gene and drug delivery to tumors. <i>Biomaterials</i> , 2014, 35, 9343-9354.	11.4	55
51	Highly penetrative, drug-loaded nanocarriers improve treatment of glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11751-11756.	7.1	222
52	Novel Delivery Strategies for Glioblastoma. <i>Cancer Journal (Sudbury, Mass)</i> , 2012, 18, 89-99.	2.0	109
53	Biodegradable poly(amine-co-ester) terpolymers for targeted gene delivery. <i>Nature Materials</i> , 2012, 11, 82-90.	27.5	360
54	Polymeric nanoparticles for drug delivery to the central nervous system. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 701-705.	13.7	427

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55	Octa-functional PLGA nanoparticles for targeted and efficient siRNA delivery to tumors. Biomaterials, 2012, 33, 583-591.	11.4	160
56	Enzyme-synthesized poly(amine-co-esters) as nonviral vectors for gene delivery. Journal of Biomedical Materials Research - Part A, 2011, 96A, 456-465.	4.0	41
57	Preclinical development of cancer stem cell drugs. Expert Opinion on Drug Discovery, 2009, 4, 741-752.	5.0	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.	2.5	42
59	NF- $\kappa$ B pathway inhibitors preferentially inhibit breast cancer stem-like cells. Breast Cancer Research and Treatment, 2008, 111, 419-427.	2.5	198
60	Cancer stem cells: Models, mechanisms and implications for improved treatment. Cell Cycle, 2008, 7, 1360-1370.	2.6	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.	7.1	625