

Jinzi Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,186
citations

361045

20
h-index

377514

34
g-index

42
all docs

42
docs citations

42
times ranked

2028
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Performance of a Liposomal Vascular Contrast Agent for CT and MR-Based Image Guidance Applications. <i>Pharmaceutical Research</i> , 2007, 24, 1193-1201.	1.7	103
2	Multimodal Contrast Agent for Combined Computed Tomography and Magnetic Resonance Imaging Applications. <i>Investigative Radiology</i> , 2006, 41, 339-348.	3.5	80
3	The translocator protein ligand [18F]DPA-714 images glioma and activated microglia in vivo. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 811-823.	3.3	80
4	APN/CD13-targeting as a strategy to alter the tumor accumulation of liposomes. <i>Journal of Controlled Release</i> , 2011, 154, 298-305.	4.8	76
5	Heat-activated thermosensitive liposomal cisplatin (HTLC) results in effective growth delay of cervical carcinoma in mice. <i>Journal of Controlled Release</i> , 2014, 178, 69-78.	4.8	69
6	A Mathematical Model of the Enhanced Permeability and Retention Effect for Liposome Transport in Solid Tumors. <i>PLoS ONE</i> , 2013, 8, e81157.	1.1	66
7	Quantitative CT Imaging of the Spatial and Temporal Distribution of Liposomes in a Rabbit Tumor Model. <i>Molecular Pharmaceutics</i> , 2009, 6, 571-580.	2.3	62
8	Rapid Detection of Necrosis in Breast Cancer with Desorption Electrospray Ionization Mass Spectrometry. <i>Scientific Reports</i> , 2016, 6, 35374.	1.6	57
9	Cyclophosphamide-Mediated Tumor Priming for Enhanced Delivery and Antitumor Activity of HER2-Targeted Liposomal Doxorubicin (MM-302). <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2060-2071.	1.9	51
10	A gradient-loadable ⁶⁴ Cu-chelator for quantifying tumor deposition kinetics of nanoliposomal therapeutics by positron emission tomography. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 155-165.	1.7	51
11	Ambient Mass Spectrometry Imaging with Picosecond Infrared Laser Ablation Electrospray Ionization (PIR-LAESI). <i>Analytical Chemistry</i> , 2015, 87, 12071-12079.	3.2	49
12	Companion Diagnostic ⁶⁴ Cu-Liposome Positron Emission Tomography Enables Characterization of Drug Delivery to Tumors and Predicts Response to Cancer Nanomedicines. <i>Theranostics</i> , 2018, 8, 2300-2312.	4.6	47
13	A multimodal nano agent for image-guided cancer surgery. <i>Biomaterials</i> , 2015, 67, 160-168.	5.7	45
14	Targeting Focal Adhesion Kinase with Dominant-Negative FRNK or Hsp90 Inhibitor 17-DMAG Suppresses Tumor Growth and Metastasis of SiHa Cervical Xenografts. <i>Cancer Research</i> , 2009, 69, 4750-4759.	0.4	37
15	Differential Expression of the 18 kDa Translocator Protein (TSPO) by Neoplastic and Inflammatory Cells in Mouse Tumors of Breast Cancer. <i>Molecular Pharmaceutics</i> , 2011, 8, 823-832.	2.3	37
16	The Translocator Protein Radioligand ¹⁸ F-DPA-714 Monitors Antitumor Effect of Erufosine in a Rat 9L Intracranial Glioma Model. <i>Journal of Nuclear Medicine</i> , 2013, 54, 2125-2131.	2.8	37
17	A Novel Minimally Invasive Technique to Create a Rabbit VX2 Lung Tumor Model for Nano-Sized Image Contrast and Interventional Studies. <i>PLoS ONE</i> , 2013, 8, e67355.	1.1	37
18	Contrast Agent Mass Spectrometry Imaging Reveals Tumor Heterogeneity. <i>Analytical Chemistry</i> , 2015, 87, 7683-7689.	3.2	31

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19	Perfluorocarbon nanodroplets can reoxygenate hypoxic tumors <i>in vivo</i> without carbogen breathing. <i>Nanotheranostics</i> , 2019, 3, 135-144.	2.7	29
20	Liposome contrast agent for CT-based detection and localization of neoplastic and inflammatory lesions in rabbits: validation with FDG-PET and histology. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 147-154.	0.4	27
21	Liposomal Irinotecan Achieves Significant Survival and Tumor Burden Control in a Triple Negative Breast Cancer Model of Spontaneous Metastasis. <i>Molecular Pharmaceutics</i> , 2018, 15, 4132-4138.	2.3	16
22	Whole-body organ-level and kidney micro-dosimetric evaluations of ⁶⁴ Cu-loaded HER2/ErbB2-targeted liposomal doxorubicin (64Cu-MM-302) in rodents and primates. <i>EJNMMI Research</i> , 2015, 5, 24.	1.1	14
23	An integrated augmented reality surgical navigation platform using multi-modality imaging for guidance. <i>PLoS ONE</i> , 2021, 16, e0250558.	1.1	13
24	Evaluation of PET Imaging Performance of the TSPO Radioligand [18F]DPA-714 in Mouse and Rat Models of Cancer and Inflammation. <i>Molecular Imaging and Biology</i> , 2016, 18, 127-134.	1.3	12
25	Custom-designed Laser-based Heating Apparatus for Triggered Release of Cisplatin from Thermosensitive Liposomes with Magnetic Resonance Image Guidance. <i>Journal of Visualized Experiments</i> , 2015, , e53055.	0.2	11
26	Multi-Modal Imaging in a Mouse Model of Orthotopic Lung Cancer. <i>PLoS ONE</i> , 2016, 11, e0161991.	1.1	7
27	Intraoperative Near-Infrared Fluorescence-Guided Peripheral Lung Tumor Localization in Rabbit Models. <i>Annals of Thoracic Surgery</i> , 2019, 107, 248-256.	0.7	7
28	Longitudinal tumor hypoxia imaging with [18F]FAZA-PET provides early prediction of nanoliposomal irinotecan (nal-IRI) treatment activity. <i>EJNMMI Research</i> , 2015, 5, 57.	1.1	6
29	Spatial Measurements of Perfusion, Interstitial Fluid Pressure and Liposomes Accumulation in Solid Tumors. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	6
30	Spatiotemporal assessment of spontaneous metastasis formation using multimodal <i>in vivo</i> imaging in HER2+ and triple negative metastatic breast cancer xenograft models in mice. <i>PLoS ONE</i> , 2018, 13, e0196892.	1.1	5
31	Assessment of a liposomal CT/optical contrast agent for image-guided head and neck surgery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 32, 102327.	1.7	4
32	Longitudinal vascular imaging using a novel nano-encapsulated CT and MR contrast agent. , 2007, , .		3
33	Nanoparticle-based CT visualization of pulmonary vasculature for minimally-invasive thoracic surgery planning. <i>PLoS ONE</i> , 2019, 14, e0209501.	1.1	3
34	Long Circulation and Tumor Accumulation. , 2013, , 543-571.		3
35	Nanoengineered multimodal contrast agent for medical image guidance. , 2005, , .		1
36	Improved CT and MR image registration with the introduction of a dual-modality contrast agent: performance assessment using quantitative and information theoretic methods. , 2008, , .		1

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37	Quantitative CT Imaging of the Spatial and Temporal Distribution of Liposomes in a Rabbit Tumor Model. <i>Molecular Pharmaceutics</i> , 2009, 6, 1040-1040.	2.3	1
38	Longitudinal PET Imaging to Monitor Treatment Efficacy by Liposomal Irinotecan in Orthotopic Patient-Derived Pancreatic Tumor Models of High and Low Hypoxia. <i>Molecular Imaging and Biology</i> , 2020, 22, 653-664.	1.3	1
39	Nanosystems for Multimodality In vivo Imaging. <i>Fundamental Biomedical Technologies</i> , 2008, , 409-430.	0.2	1
40	Nanotechnology for Multimodality Imaging: Applications in Disease Detection and Treatment Guidance. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 145-193.	0.1	0
41	Chapter 6. The Role of Imaging in Nanomedicine Development and Clinical Translation. <i>RSC Drug Discovery Series</i> , 2016, , 151-181.	0.2	0