

# Lei Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/297542/publications.pdf>

Version: 2024-02-01

21  
papers

792  
citations

840776

11  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nondegradative Role of Atg5-Atg12/ Atg16L1 Autophagy Protein Complex in Antiviral Activity of Interferon Gamma. <i>Cell Host and Microbe</i> , 2012, 11, 397-409.	11.0	222
2	Nanoscale protein architecture of the kidney glomerular basement membrane. <i>ELife</i> , 2013, 2, e01149.	6.0	140
3	Amphiphilic Hyperbranched Fluoropolymers as Nanoscopic <sup>19</sup> F Magnetic Resonance Imaging Agent Assemblies. <i>Biomacromolecules</i> , 2008, 9, 2826-2833.	5.4	111
4	Renal vascular inflammation induced by Western diet in ApoE-null mice quantified by <sup>19</sup> F NMR of VCAM-1 targeted nanobeacons. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 359-367.	3.3	57
5	CD2AP Links Cortactin and Capping Protein at the Cell Periphery To Facilitate Formation of Lamellipodia. <i>Molecular and Cellular Biology</i> , 2013, 33, 38-47.	2.3	57
6	An essential and NSF independent role for $\beta$ -SNAP in store-operated calcium entry. <i>ELife</i> , 2013, 2, e00802.	6.0	40
7	A generalized strategy for designing <sup>19</sup> F/ <sup>1</sup> H dual-frequency MRI coil for small animal imaging at 4.7 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 245-252.	3.4	35
8	Cardiomyocyte architectural plasticity in fetal, neonatal, and adult pig hearts delineated with diffusion tensor MRI. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H246-H252.	3.2	34
9	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometer-Sized Polymer Beads. <i>Advanced Functional Materials</i> , 2012, 22, 764-770.	14.9	31
10	Quantifying the Evolution of Vascular Barrier Disruption in Advanced Atherosclerosis with Semipermeant Nanoparticle Contrast Agents. <i>PLoS ONE</i> , 2011, 6, e26385.	2.5	24
11	Diffusional mechanisms augment the fluorine MR relaxation in paramagnetic perfluorocarbon nanoparticles that provides a $T_1$ relaxation switch for detecting cellular endosomal activation. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 653-661.	3.4	11
12	Free-breathing abdominal MRI improved by repeated k-space subsampling and artifact minimization (ReKAM). <i>Medical Physics</i> , 2018, 45, 178-190.	3.0	6
13	Three-dimensional polymer gel dosimetry using an onboard 0.35 T magnetic resonance imaging scanner: A simulation study. <i>Journal of Medical Physics</i> , 2015, 40, 176.	0.3	6
14	A multisource adaptive magnetic resonance image fusion technique for versatile contrast magnetic resonance imaging. <i>Cancer Translational Medicine</i> , 2018, 4, 65.	0.2	6
15	Multi-Contrast Four-dimensional Magnetic Resonance Imaging (MC4D-MRI): development and initial evaluation in liver tumor patients. <i>Medical Physics</i> , 2021, 48, 7984.	3.0	5
16	Markerless four-dimensional-cone beam computed tomography projection-phase sorting using prior knowledge and patient motion modeling: A feasibility study. <i>Cancer Translational Medicine</i> , 2017, 3, 185.	0.2	2
17	Evaluation of Multisource Adaptive MRI Fusion for Gross Tumor Volume Delineation of Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 816678.	2.8	2
18	110 Myofiber developmental plasticity in fetal hearts delineated with diffusion tensor MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, .	3.3	1

#	ARTICLE	IF	CITATIONS
19	Dual PARACEST and <sup>19</sup> F MR molecular imaging of fibrin clots with targeted perfluorocarbon nanoparticles. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	3.3	1
20	Improving liver tumor image contrast and synthesizing novel tissue contrasts by adaptive multiparametric magnetic resonance imaging fusion. Precision Radiation Oncology, 2022, 6, 190-198.	1.1	1
21	Liver 4D-MRI: An Image Mutual Information based Retrospective Self-sorting Method. , 2019, , .		0