Lei Zhang

List of Publications by Year
in descending order

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	Evaluation of Multisource Adaptive MRI Fusion for Gross Tumor Volume Delineation of Hepatocellular Carcinoma. Frontiers in Oncology, 2022, 12, 816678.	2.8	2
2	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
3	Multiâ€Contrast Fourâ€dimensional Magnetic Resonance Imaging (MCâ€4Dâ€MRI): development and initial evaluation in liver tumor patients. Medical Physics, 2021, 48, 7984.	3.0	5
4	Liver 4D-MRI: An Image Mutual Information based Retrospective Self-sorting Method. , 2019, , .		0
5	Freeâ€breathing abdominal <scp>MRI</scp> improved by repeated kâ€tâ€subsampling and artifactâ€minimization (Re<scp>KAM</scp>). Medical Physics, 2018, 45, 178-190.	3.0	6
6	A multisource adaptive magnetic resonance image fusion technique for versatile contrast magnetic resonance imaging. Cancer Translational Medicine, 2018, 4, 65.	0.2	6
7	Markerless four-dimensional-cone beam computed tomography projection-phase sorting using prior knowledge and patient motion modeling: A feasibility study. Cancer Translational Medicine, 2017, 3, 185.	0.2	2
8	Three-dimensional polymer gel dosimetry using an onboard 0.35 T magnetic resonance imaging scanner: A simulation study. Journal of Medical Physics, 2015, 40, 176.	0.3	6
9	Cardiomyocyte architectural plasticity in fetal, neonatal, and adult pig hearts delineated with diffusion tensor MRI. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H246-H252.	3.2	34
10	CD2AP Links Cortactin and Capping Protein at the Cell Periphery To Facilitate Formation of Lamellipodia. Molecular and Cellular Biology, 2013, 33, 38-47.	2.3	57
11	An essential and NSF independent role for Î±-SNAP in store-operated calcium entry. ELife, 2013, 2, e00802.	6.0	40
12	Nanoscale protein architecture of the kidney glomerular basement membrane. ELife, 2013, 2, e01149.	6.0	140
13	Nondegradative Role of Atg5-Atg12/ Atg16L1 Autophagy Protein Complex in Antiviral Activity of Interferon Gamma. Cell Host and Microbe, 2012, 11, 397-409.	11.0	222
14	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometerâ€Sized Polymer Beads. Advanced Functional Materials, 2012, 22, 764-770.	14.9	31
15	Quantifying the Evolution of Vascular Barrier Disruption in Advanced Atherosclerosis with Semipermeant Nanoparticle Contrast Agents. PLoS ONE, 2011, 6, e26385.	2.5	24
16	A generalized strategy for designing ¹⁹F/¹H dualâ€frequency MRI coil for small animal imaging at 4.7 Tesla. Journal of Magnetic Resonance Imaging, 2011, 34, 245-252.	3.4	35
17	Diffusional mechanisms augment the fluorine MR relaxation in paramagnetic perfluorocarbon nanoparticles that provides a â€œrelaxation switchâ€•for detecting cellular endosomal activation. Journal of Magnetic Resonance Imaging, 2011, 34, 653-661.	3.4	11
18	Renal vascular inflammation induced by Western diet in ApoE-null mice quantified by 19F NMR of VCAM-1 targeted nanobeacons. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 359-367.	3.3	57

#	Article	IF	Citations
19	Dual PARACEST and 19F MR molecular imaging of fibrin clots with targeted perfluorocarbon nanoparticles. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	3.3	1
20	110 Myofiber developmental plasticity in fetal hearts delineated with diffusion tensor MRI. Journal of Cardiovascular Magnetic Resonance, 2008, 10, .	3.3	1
21	Amphiphilic Hyperbranched Fluoropolymers as Nanoscopic ¹⁹F Magnetic Resonance Imaging Agent Assemblies. Biomacromolecules, 2008, 9, 2826-2833.	5.4	111