

# Bailiang Chen

## List of Publications by Year in descending order

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25  
papers

374  
citations

758635

12  
h-index

794141

19  
g-index

26  
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26  
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times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmented reality patient-specific reconstruction plate design for pelvic and acetabular fracture surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 169-179.	1.7	66
2	Dose-Response of Superparamagnetic Iron Oxide Labeling on Mesenchymal Stem Cells Chondrogenic Differentiation: A Multi-Scale In Vitro Study. <i>PLoS ONE</i> , 2014, 9, e98451.	1.1	51
3	Assessment of right ventricle volumes and function by cardiac MRI: Quantification of the regional and global interobserver variability. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1740-1746.	1.9	41
4	Motion-Corrected, Super-Resolution Reconstruction for High-Resolution 3D Cardiac Cine MRI. <i>Lecture Notes in Computer Science</i> , 2015, , 435-442.	1.0	24
5	Impact of ROI Positioning and Lesion Morphology on Apparent Diffusion Coefficient Analysis for the Differentiation Between Benign and Malignant Nonfatty Soft-Tissue Lesions. <i>American Journal of Roentgenology</i> , 2015, 205, W106-W113.	1.0	20
6	Ex Vivo magnetic resonance angiography to explore placental vascular anatomy. <i>Placenta</i> , 2017, 58, 40-45.	0.7	18
7	Contrast-Enhanced 3-T Perfusion MRI With Quantitative Analysis for the Characterization of Musculoskeletal Tumors: Is It Worth the Trouble?. <i>American Journal of Roentgenology</i> , 2018, 211, 1092-1098.	1.0	18
8	Diffusion-weighted magnetic resonance imaging for the initial characterization of non-fatty soft tissue tumors: correlation between T2 signal intensity and ADC values. <i>Skeletal Radiology</i> , 2016, 45, 263-271.	1.2	17
9	Advanced Techniques in Musculoskeletal Oncology: Perfusion, Diffusion, and Spectroscopy. <i>Seminars in Musculoskeletal Radiology</i> , 2015, 19, 463-474.	0.4	16
10	The role of infarct location in patients with DWI-ASPECTS 0-5 acute stroke treated with thrombectomy. <i>Neurology</i> , 2020, 95, e3344-e3354.	1.5	16
11	Isotropic 3D cardiac cine MRI allows efficient sparse segmentation strategies based on 3D surface reconstruction. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2665-2675.	1.9	15
12	Design and Validation of a Novel MR-Compatible Sensor for Respiratory Motion Modeling and Correction. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 123-133.	2.5	13
13	A guide for effective anatomical vascularization studies: useful ex vivo methods for both CT and MRI imaging before dissection. <i>Journal of Anatomy</i> , 2018, 232, 15-25.	0.9	13
14	Impact of microvascular obstruction on left ventricular local remodeling after reperfused myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 499-510.	1.9	10
15	An in vivo subject-specific 3D functional knee joint model using combined MR imaging. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 741-750.	1.7	7
16	Combined MR imaging towards subject-specific knee contact analysis. <i>Visual Computer</i> , 2011, 27, 121-128.	2.5	5
17	Contrast-enhanced 3T MR Perfusion of Musculoskeletal Tumours: T1 Value Heterogeneity Assessment and Evaluation of the Influence of T1 Estimation Methods on Quantitative Parameters. <i>European Radiology</i> , 2017, 27, 4903-4912.	2.3	5
18	In vivo characterization of physiological and metabolic changes related to isocitrate dehydrogenase 1 mutation expression by multiparametric MRI and MRS in a rat model with orthotopically grafted human-derived glioblastoma cell lines. <i>NMR in Biomedicine</i> , 2021, 34, e4490.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Automated Final Lesion Segmentation in Posterior Circulation Acute Ischemic Stroke Using Deep Learning. <i>Diagnostics</i> , 2021, 11, 1621.	1.3	4
20	Respective interest of T2 mapping and diffusion tensor imaging in assessing porcine knee cartilage with MR at 3 Teslas. <i>Bio-Medical Materials and Engineering</i> , 2013, 23, 263-272.	0.4	3
21	Impact of Pretreatment Ischemic Location on Functional Outcome after Thrombectomy. <i>Diagnostics</i> , 2021, 11, 2038.	1.3	3
22	In Vivo Super-Resolution Cardiac Diffusion Tensor MRI: A Feasibility Study. <i>Diagnostics</i> , 2022, 12, 877.	1.3	2
23	Quality control of cardiac MRI for tetralogy of Fallot: Combination of standard measurements and physiological analysis to detect invalid examinations. <i>Archives of Cardiovascular Diseases</i> , 2016, 109, 96-103.	0.7	1
24	Grading of soft tissues sarcomas using radiomics models: Choice of imaging methods and comparison with conventional visual analysis. , 2022, 2, 100009.		1
25	MRI Angiography of normal and pathological pregnancy PLacentas Ex vivo (MAPLE): protocol for a prospective pilot study. (Preprint). <i>JMIR Research Protocols</i> , 0, , .	0.5	0