

Misung Han

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

585
citations

623699

14
h-index

610883

24
g-index

32
all docs

32
docs citations

32
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of bone marrow fat quantification in the presence of trabecular bone using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 539-544.	3.4	65
2	Ultrashort echo time and zero echo time MRI at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 359-370.	2.0	59
3	The Relationship Between Endplate Pathology and Patient-reported Symptoms for Chronic Low Back Pain Depends on Lumbar Paraspinal Muscle Quality. <i>Spine</i> , 2019, 44, 1010-1017.	2.0	54
4	Cartilaginous End Plates: Quantitative MR Imaging with Very Short Echo Timesâ€™ Orientation Dependence and Correlation with Biochemical Composition. <i>Radiology</i> , 2015, 274, 482-489.	7.3	48
5	Cartilage Endplate Thickness Variation Measured by Ultrashort Echo-Time MRI Is Associated With Adjacent Disc Degeneration. <i>Spine</i> , 2018, 43, E592-E600.	2.0	46
6	Associations between vertebral body fat fraction and intervertebral disc biochemical composition as assessed by quantitative MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1219-1226.	3.4	32
7	Variable flip angle three-dimensional fast spin-echo sequence combined with outer volume suppression for imaging trabecular bone structure of the proximal femur. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1300-1310.	3.4	29
8	In vivo characterization of brain ultrashortâ€™ ₂ components. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 726-735.	3.0	29
9	Depiction of Achilles Tendon Microstructure In Vivo Using High-Resolution 3-Dimensional Ultrashort Echo-Time Magnetic Resonance Imaging at 7 T. <i>Investigative Radiology</i> , 2014, 49, 339-345.	6.2	28
10	Quantifying temperature-dependent T ₁ changes in cortical bone using ultrashort echo-time MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1548-1555.	3.0	22
11	Evaluation of human cartilage endplate composition using MRI: Spatial variation, association with adjacent disc degeneration, and in vivo repeatability. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1470-1478.	2.3	17
12	Accelerated bilateral dynamic contrast-enhanced 3D spiral breast MRI using TSENSE. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1425-1434.	3.4	16
13	Approaches for modelling interstitial ultrasound ablation of tumours within or adjacent to bone: Theoretical and experimental evaluations. <i>International Journal of Hyperthermia</i> , 2013, 29, 629-642.	2.5	16
14	T2-based temperature monitoring in bone marrow for MR-guided focused ultrasound. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 26.	2.2	16
15	Metal artifact suppression at the hip: diagnostic performance at 3.0T versus 1.5 Tesla. <i>Skeletal Radiology</i> , 2015, 44, 1609-1616.	2.0	13
16	Measurement of vertebral endplate bone marrow lesion (Modic change) composition with water-fat MRI and relationship to patient-reported outcome measures. <i>European Spine Journal</i> , 2021, 30, 2549-2556.	2.2	13
17	Trabecular bone microstructure is impaired in the proximal femur of human immunodeficiency virus-infected men with normal bone mineral density. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 5-13.	2.0	12
18	Cortical bone vessel identification and quantification on contrast-enhanced MR images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 928-941.	2.0	10

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19	Reduction of flow artifacts by using partial saturation in RF-spoiled gradient-echo imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1326-1334.	3.0	9
20	Patients with Type 2 Diabetes Exhibit a More Mineralized Deep Cartilage Layer Compared with Nondiabetic Controls: A Pilot Study. <i>Cartilage</i> , 2021, 13, 428S-436S.	2.7	9
21	Homogenous fat suppression for bilateral breast imaging using independent shims. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1511-1517.	3.0	8
22	Bone material analogues for PET/MRI phantoms. <i>Medical Physics</i> , 2020, 47, 2161-2170.	3.0	8
23	Independent slab-phase modulation combined with parallel imaging in bilateral breast MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1221-1231.	3.0	6
24	Simultaneous multi-slice spin- and gradient-echo dynamic susceptibility-contrast perfusion-weighted MRI of gliomas. <i>NMR in Biomedicine</i> , 2021, 34, e4399.	2.8	6
25	Magnetization-prepared spoiled gradient-echo snapshot imaging for efficient measurement of R_2^* in knee cartilage. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 733-745.	3.0	5
26	Investigating the Association of Metabolic Biomarkers With Knee Cartilage Composition and Structural Abnormalities Using MRI: A Pilot Study. <i>Cartilage</i> , 2020, , 194760352094637.	2.7	4
27	Assessing temperature changes in cortical bone using variable flip-angle ultrashort echo-time MRI. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
28	Quantification of ^{89}Zr -iron oxide nanoparticle biodistribution using PET-MR and ultrashort TE sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1717-1720.	3.4	2
29	Associations between vertebral body fat fraction and intervertebral disc biochemical composition as assessed by quantitative MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, spcone.	3.4	1
30	Variable flip angle three-dimensional fast spin-echo sequence combined with outer volume suppression for imaging trabecular bone structure of the proximal femur. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, spcone-spcone.	3.4	0
31	T2-based temperature monitoring in trabecular bone marrow for MRgHIFU. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0