Zhao Wei

List of Publications by Year
in descending order

21 papers	259 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	189 citing authors

#	Article	IF	Citations
1	Trabecular bone imaging using a 3D adiabatic inversion recovery prepared ultrashort TE Cones sequence at 3T. Magnetic Resonance in Medicine, 2020, 83, 1640-1651.	3.0	38
2	Myelin Imaging in Human Brain Using a Short Repetition Time Adiabatic Inversion Recovery Prepared Ultrashort Echo Time (STAIR-UTE) MRI Sequence in Multiple Sclerosis. Radiology, 2020, 297, 392-404.	7.3	35
3	Age-related decrease in collagen proton fraction in tibial tendons estimated by magnetization transfer modeling of ultrashort echo time magnetic resonance imaging (UTE-MRI). Scientific Reports, 2019, 9, 17974.	3.3	27
4	Magnetosomes extracted from Magnetospirillum magneticum strain AMB-1 showed enhanced peroxidase-like activity under visible-light irradiation. Enzyme and Microbial Technology, 2015, 72, 72-78.	3.2	26
5	Assessment of mechanical properties of articular cartilage with quantitative three-dimensional ultrashort echo time (UTE) cones magnetic resonance imaging. Journal of Biomechanics, 2020, 113, 110085.	2.1	14
6	Rotator Cuff Tendon Assessment in Symptomatic and Control Groups Using Quantitative MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 864-872.	3.4	12
7	Quantitative <scp>3D</scp> Ultrashort Echo Time Magnetization Transfer Imaging for Evaluation of Knee Cartilage Degeneration In Vivo. Journal of Magnetic Resonance Imaging, 2021, 54, 1294-1302.	3.4	12
8	Improved volumetric myelin imaging in human brain using 3D dual echo inversion recoveryâ€prepared UTE with complex echo subtraction. Magnetic Resonance in Medicine, 2020, 83, 1168-1177.	3.0	11
9	Knee osteochondral junction imaging using a fast 3D T1-weighted ultrashort echo time cones sequence at 3T. Magnetic Resonance Imaging, 2020, 73, 76-83.	1.8	10
10	Brain ultrashort T2 component imaging using a short TR adiabatic inversion recovery prepared dual-echo ultrashort TE sequence with complex echo subtraction (STAIR-dUTE-ES). Journal of Magnetic Resonance, 2021, 323, 106898.	2.1	10
11	To measure T1 of short T2 species using an inversion recovery prepared three-dimensional ultrashort echo time (3D IR-UTE) method: A phantom study. Journal of Magnetic Resonance, 2020, 314, 106725.	2.1	9
12	Quantitative Magnetic Resonance Imaging of Cortical and Trabecular Bone. Seminars in Musculoskeletal Radiology, 2020, 24, 386-401.	0.7	9
13	High-Contrast Lumbar Spinal Bone Imaging Using a 3D Slab-Selective UTE Sequence. Frontiers in Endocrinology, 2021, 12, 800398.	3.5	8
14	Comprehensive assessment of in vivo lumbar spine intervertebral discs using a 3D adiabatic T1Ï•prepared ultrashort echo time (UTE-Adiab-T1Ï•) pulse sequence. Quantitative Imaging in Medicine and Surgery, 2022, 12, 269-280.	2.0	7
15	Highâ€contrast osteochondral junction imaging using a 3D dual adiabatic inversion recoveryâ€prepared ultrashort echo time cones sequence. NMR in Biomedicine, 2021, 34, e4559.	2.8	7
16	High contrast cartilaginous endplate imaging using a 3D adiabatic inversionâ€recoveryâ€prepared fatâ€saturated ultrashort echo time (3D IRâ€FSâ€UTE) sequence. NMR in Biomedicine, 2021, 34, e4579.	2.8	6
17	Fast T₁ measurement of cortical bone using 3D UTE actual flip angle imaging and singleâ€TR acquisition (3D UTEâ€AFIâ€STR). Magnetic Resonance in Medicine, 2021, 85, 3290-3298.	3.0	5
18	Quantitative assessment of articular cartilage degeneration using 3D ultrashort echo time cones adiabatic T1Ï•(3D UTE-Cones-AdiabT1Ï•) imaging. European Radiology, 2022, 32, 6178-6186.	4.5	5

#	Article	IF	Citations
19	Lower Macromolecular Content in Tendons of Female Patients with Osteoporosis versus Patients with Osteopenia Detected by Ultrashort Echo Time (UTE) MRI. Diagnostics, 2022, 12, 1061.	2.6	5
20	3D UTE bicomponent imaging of cortical bone using a softâ€“hard composite pulse for excitation. Magnetic Resonance in Medicine, 2021, 85, 1581-1589.	3.0	2
21	Research on the <italic>In Situ</italic> Magnetization and Demagnetization System for Scanning SQUID Microscopy. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1