

# Zhao Wei

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comprehensive assessment of in vivo lumbar spine intervertebral discs using a 3D adiabatic T1 $\rho$ -prepared ultrashort echo time (UTE-Adiab-T1 $\rho$ ) pulse sequence. Quantitative Imaging in Medicine and Surgery, 2022, 12, 269-280.	1.1	7
2	Quantitative assessment of articular cartilage degeneration using 3D ultrashort echo time cones adiabatic T1 $\rho$ -(3D UTE-Cones-AdiabT1 $\rho$ ) imaging. European Radiology, 2022, 32, 6178-6186.	2.3	5
3	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.	1.3	5
4	3D UTE bicomponent imaging of cortical bone using a softâ€hard composite pulse for excitation. Magnetic Resonance in Medicine, 2021, 85, 1581-1589.	1.9	2
5	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.	1.2	10
6	Quantitative $\rho$ 3D Ultrashort Echo Time Magnetization Transfer Imaging for Evaluation of Knee Cartilage Degeneration In Vivo. Journal of Magnetic Resonance Imaging, 2021, 54, 1294-1302.	1.9	12
7	High-contrast osteochondral junction imaging using a 3D dual adiabatic inversion recoveryâ€prepared ultrashort echo time cones sequence. NMR in Biomedicine, 2021, 34, e4559.	1.6	7
8	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.	1.6	6
9	Fast T <sub>1</sub> 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.	1.9	5
10	High-Contrast Lumbar Spinal Bone Imaging Using a 3D Slab-Selective UTE Sequence. Frontiers in Endocrinology, 2021, 12, 800398.	1.5	8
11	Trabecular bone imaging using a 3D adiabatic inversion recovery prepared ultrashort TE Cones sequence at 3T. Magnetic Resonance in Medicine, 2020, 83, 1640-1651.	1.9	38
12	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.	1.9	11
13	Knee osteochondral junction imaging using a fast 3D T1-weighted ultrashort echo time cones sequence at 3T. Magnetic Resonance Imaging, 2020, 73, 76-83.	1.0	10
14	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.	3.6	35
15	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.	0.9	14
16	Rotator Cuff Tendon Assessment in Symptomatic and Control Groups Using Quantitative MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 864-872.	1.9	12
17	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.	1.2	9
18	Quantitative Magnetic Resonance Imaging of Cortical and Trabecular Bone. Seminars in Musculoskeletal Radiology, 2020, 24, 386-401.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Age-related decrease in collagen proton fraction in tibial tendons estimated by magnetization transfer modeling of ultrashort echo time magnetic resonance imaging (UTE-MRI). <i>Scientific Reports</i> , 2019, 9, 17974.	1.6	27
20	Research on the <i>In Situ</i> Magnetization and Demagnetization System for Scanning SQUID Microscopy. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	1
21	Magnetosomes extracted from <i>Magnetospirillum magneticum</i> strain AMB-1 showed enhanced peroxidase-like activity under visible-light irradiation. <i>Enzyme and Microbial Technology</i> , 2015, 72, 72-78.	1.6	26