

Eric Y Chang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8920494/publications.pdf>

Version: 2024-02-01

216
papers

5,023
citations

109264

35
h-index

168321

53
g-index

218
all docs

218
docs citations

218
times ranked

3469
citing authors

#	ARTICLE	IF	CITATIONS
1	Disparities in COVID-19 Outcomes by Race, Ethnicity, and Socioeconomic Status. JAMA Network Open, 2021, 4, e2134147.	2.8	390
2	UTE imaging in the musculoskeletal system. Journal of Magnetic Resonance Imaging, 2015, 41, 870-883.	1.9	197
3	Mismatch of Current Intramedullary Nails With the Anterior Bow of the Femur. Journal of Orthopaedic Trauma, 2004, 18, 410-415.	0.7	140
4	Using machine learning of clinical data to diagnose COVID-19: a systematic review and meta-analysis. BMC Medical Informatics and Decision Making, 2020, 20, 247.	1.5	112
5	Metal-on-Metal Total Hip Arthroplasty: Do Symptoms Correlate with MR Imaging Findings?. Radiology, 2012, 265, 848-857.	3.6	83
6	Demystifying Poststroke Pain: From Etiology to Treatment. PM and R, 2017, 9, 63-75.	0.9	72
7	Accurate T_1 mapping of short T_2 tissues using a three-dimensional ultrashort echo time cones actual flip angle imaging variable repetition time (3D UTE-Cones AFI-VTR) method. Magnetic Resonance in Medicine, 2018, 80, 598-608.	1.9	69
8	Quantitative magnetization transfer ultrashort echo time imaging using a time-efficient 3D multispoke Cones sequence. Magnetic Resonance in Medicine, 2018, 79, 692-700.	1.9	68
9	The "flipped classroom" approach: Stimulating positive learning attitudes and improving mastery of histology among medical students. Anatomical Sciences Education, 2017, 10, 317-327.	2.5	67
10	ACR Appropriateness Criteria® Osteoporosis and Bone Mineral Density. Journal of the American College of Radiology, 2017, 14, S189-S202.	0.9	65
11	Ultrashort echo time magnetization transfer (UTE-MT) imaging and modeling: magic angle independent biomarkers of tissue properties. NMR in Biomedicine, 2016, 29, 1546-1552.	1.6	63
12	High Failure Rate of a Decellularized Osteochondral Allograft for the Treatment of Cartilage Lesions. American Journal of Sports Medicine, 2016, 44, 2015-2022.	1.9	61
13	Ankle impingement syndromes: an imaging review. British Journal of Radiology, 2017, 90, 20160735.	1.0	56
14	3D adiabatic T_1 prepared ultrashort echo time cones sequence for whole knee imaging. Magnetic Resonance in Medicine, 2018, 80, 1429-1439.	1.9	55
15	Short T_2 imaging using a 3D double adiabatic inversion recovery prepared ultrashort echo time cones (3D DIR-UTE-Cones) sequence. Magnetic Resonance in Medicine, 2018, 79, 2555-2563.	1.9	55
16	Relationship of Plasma Metal Ions and Clinical and Imaging Findings in Patients with ASR XL Metal-on-Metal Total Hip Replacements. Journal of Bone and Joint Surgery - Series A, 2013, 95, 2015-2020.	1.4	53
17	Frequency of Atlantoaxial Calcium Pyrophosphate Dihydrate Deposition at CT. Radiology, 2013, 269, 519-524.	3.6	53
18	Whole knee joint T_1 values measured in vivo at 3T by combined 3D ultrashort echo time cones actual flip angle and variable flip angle methods. Magnetic Resonance in Medicine, 2019, 81, 1634-1644.	1.9	52

#	ARTICLE	IF	CITATIONS
19	Knee menisci segmentation and relaxometry of 3D ultrashort echo time cones MR imaging using attention U-Net with transfer learning. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1109-1122.	1.9	51
20	ACR Appropriateness Criteria® Stress (Fatigue/Insufficiency) Fracture, Including Sacrum, Excluding Other Vertebrae. <i>Journal of the American College of Radiology</i> , 2017, 14, S293-S306.	0.9	48
21	Nomenclature of Subchondral Nonneoplastic Bone Lesions. <i>American Journal of Roentgenology</i> , 2019, 213, 963-982.	1.0	46
22	Ultrashort echo time magnetization transfer (UTE-MT) imaging of cortical bone. <i>NMR in Biomedicine</i> , 2015, 28, 873-880.	1.6	45
23	Whole-Brain Myelin Imaging Using 3D Double-Echo Sliding Inversion Recovery Ultrashort Echo Time (DESIRE UTE) MRI. <i>Radiology</i> , 2020, 294, 362-374.	3.6	45
24	Ultrashort echo time magnetic resonance imaging (UTE-MRI) of cortical bone correlates well with histomorphometric assessment of bone microstructure. <i>Bone</i> , 2019, 123, 8-17.	1.4	44
25	Development of a Comprehensive Osteochondral Allograft MRI Scoring System (OCAMRISS) With Histopathologic, Micro-Computed Tomography, and Biomechanical Validation. <i>Cartilage</i> , 2014, 5, 16-27.	1.4	43
26	The Pancreatic Microbiome is Associated with Carcinogenesis and Worse Prognosis in Males and Smokers. <i>Cancers</i> , 2020, 12, 2672.	1.7	43
27	Three-dimensional ultrashort echo time imaging with tricomponent analysis for human cortical bone. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 348-355.	1.9	42
28	Measurement of bound and pore water T ₁ relaxation times in cortical bone using three-dimensional ultrashort echo time cones sequences. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2136-2145.	1.9	40
29	Influence of Intratumor Microbiome on Clinical Outcome and Immune Processes in Prostate Cancer. <i>Cancers</i> , 2020, 12, 2524.	1.7	40
30	Detecting stress injury (fatigue fracture) in fibular cortical bone using quantitative ultrashort echo time magnetization transfer (UTE-MT): An ex vivo study. <i>NMR in Biomedicine</i> , 2018, 31, e3994.	1.6	39
31	Quantitative MRI Musculoskeletal Techniques: An Update. <i>American Journal of Roentgenology</i> , 2019, 213, 524-533.	1.0	39
32	Three-Dimensional Zero Echo Time Magnetic Resonance Imaging Versus 3-Dimensional Computed Tomography for Glenoid Bone Assessment. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 2391-2400.	1.3	39
33	Rotator cuff tendon assessment using magic-angle insensitive 3D ultrashort echo time cones magnetization transfer (UTE-MT) imaging and modeling with histological correlation. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 160-168.	1.9	38
34	Trabecular bone imaging using a 3D adiabatic inversion recovery prepared ultrashort TE Cones sequence at 3T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1640-1651.	1.9	38
35	Three-dimensional ultrashort echo time cones (3D) T ₁ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (UTE	1.6	37
36	Volumetric mapping of bound and pore water as well as collagen protons in cortical bone using 3D ultrashort echo time cones MR imaging techniques. <i>Bone</i> , 2019, 127, 120-128.	1.4	36

#	ARTICLE	IF	CITATIONS
37	Smoking-Mediated Upregulation of the Androgen Pathway Leads to Increased SARS-CoV-2 Susceptibility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3627.	1.8	36
38	Effects of inversion time on inversion recovery prepared ultrashort echo time (IRâ€U)TE) imaging of bound and pore water in cortical bone. <i>NMR in Biomedicine</i> , 2015, 28, 70-78.	1.6	35
39	Posterior Medial Meniscus Root Ligament Lesions: MRI Classification and Associated Findings. <i>American Journal of Roentgenology</i> , 2014, 203, 1286-1292.	1.0	35
40	Myelin Imaging in Human Brain Using a Short Repetition Time Adiabatic Inversion Recovery Prepared Ultrashort Echo Time (STAIR-UTE) MRI Sequence in Multiple Sclerosis. <i>Radiology</i> , 2020, 297, 392-404.	3.6	35
41	MR Imaging of Extrasynovial Inflammation and Impingement About the Knee. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2014, 22, 725-741.	0.6	34
42	Quantitative twoâ€dimensional ultrashort echo time magnetization transfer (2D UTEâ€MT) imaging of cortical bone. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1941-1949.	1.9	34
43	Collagen proton fraction from ultrashort echo time magnetization transfer (UTEâ€MT) MRI modelling correlates significantly with cortical bone porosity measured with microâ€computed tomography (¹ / ₄ CT). <i>NMR in Biomedicine</i> , 2019, 32, e4045.	1.6	34
44	Significant correlations between human cortical bone mineral density and quantitative susceptibility mapping (QSM) obtained with 3D Cones ultrashort echo time magnetic resonance imaging (UTE-MRI). <i>Magnetic Resonance Imaging</i> , 2019, 62, 104-110.	1.0	34
45	Fast quantitative 3D ultrashort echo time MRI of cortical bone using extended cones sampling. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 225-236.	1.9	34
46	Magnetic resonance imaging (MRI) studies of knee joint under mechanical loading: Review. <i>Magnetic Resonance Imaging</i> , 2020, 65, 27-36.	1.0	34
47	Tobacco, but Not Nicotine and Flavor-Less Electronic Cigarettes, Induces ACE2 and Immune Dysregulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5513.	1.8	34
48	Fast volumetric imaging of bound and pore water in cortical bone using threeâ€dimensional ultrashortâ€TE (UTE) and inversion recovery UTE sequences. <i>NMR in Biomedicine</i> , 2016, 29, 1373-1380.	1.6	33
49	Three-dimensional ultrashort echo time cones (3D UTE-Cones) magnetic resonance imaging of entheses and tendons. <i>Magnetic Resonance Imaging</i> , 2018, 49, 4-9.	1.0	33
50	Correlations of cortical bone microstructural and mechanical properties with water proton fractions obtained from ultrashort echo time (UTE) MRI tricomponent T2* model. <i>NMR in Biomedicine</i> , 2020, 33, e4233.	1.6	33
51	Single- and Bi-component T2* analysis of tendon before and during tensile loading, using UTE sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 114-120.	1.9	32
52	Assessing cortical bone mechanical properties using collagen proton fraction from ultrashort echo time magnetization transfer (UTE-MT) MRI modeling. <i>Bone Reports</i> , 2019, 11, 100220.	0.2	32
53	Fat suppression for ultrashort echo time imaging using a singleâ€point Dixon method. <i>NMR in Biomedicine</i> , 2019, 32, e4069.	1.6	32
54	The intratumor microbiome predicts prognosis across gender and subtypes in papillary thyroid carcinoma. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1986-1997.	1.9	32

#	ARTICLE	IF	CITATIONS
55	Quantitative Ultrashort Echo Time (UTE) Magnetic Resonance Imaging of Bone: An Update. <i>Frontiers in Endocrinology</i> , 2020, 11, 567417.	1.5	31
56	Convincing evidence for magic angle less sensitive quantitative T_1 imaging of articular cartilage using the 3D ultrashort echo time cones adiabatic T_1 (3D UTE) Tj ETQq0 0 0 rgBT /Overlock.10 Tf 50 697 Td (co	1.0	17
57	UTE MRI of the Osteochondral Junction. <i>Current Radiology Reports</i> , 2014, 2, 35.	0.4	30
58	Ultrashort Echo Time Magnetic Resonance Imaging Techniques: Met and Unmet Needs in Musculoskeletal Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1597-1612.	1.9	30
59	Osteochondral Allograft MRI Scoring System (OCAMRISS) in the Knee. <i>Cartilage</i> , 2015, 6, 142-149.	1.4	28
60	Can ultrashort-TE (UTE) MRI sequences on a 3-T clinical scanner detect signal directly from collagen protons: freeze-dry and D_2O exchange studies of cortical bone and Achilles tendon specimens. <i>NMR in Biomedicine</i> , 2016, 29, 912-917.	1.6	28
61	ACR Appropriateness Criteria Osteonecrosis of the Hip. <i>Journal of the American College of Radiology</i> , 2016, 13, 147-155.	0.9	28
62	Development and Reliability of the Joint Tissue Activity and Damage Examination for Quantitation of Structural Abnormalities by Musculoskeletal Ultrasound in Hemophilic Joints. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 1569-1581.	0.8	28
63	Effects of achilles tendon immersion in saline and perfluorochemicals on T2 and T2*. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 496-500.	1.9	27
64	Long head of the biceps brachii tendon: unenhanced MRI versus direct MR arthrography. <i>Skeletal Radiology</i> , 2015, 44, 1263-1272.	1.2	27
65	Intramuscular migration of calcium hydroxyapatite crystal deposits involving the rotator cuff tendons of the shoulder: report of 11 patients. <i>Skeletal Radiology</i> , 2016, 45, 97-103.	1.2	27
66	Imaging of the region of the osteochondral junction (OCJ) using a 3D adiabatic inversion recovery prepared ultrashort echo time cones (3D IRa-UTEa cones) sequence at 3T. <i>NMR in Biomedicine</i> , 2019, 32, e4080.	1.6	27
67	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
68	Effects of repetitive freeze-thawing cycles on T2 and T2* of the Achilles tendon. <i>European Journal of Radiology</i> , 2014, 83, 349-353.	1.2	26
69	Magnetic resonance imaging assessed cortical porosity is highly correlated with $\hat{1}/4$ CT porosity. <i>Bone</i> , 2014, 66, 56-61.	1.4	26
70	Simultaneous quantitative susceptibility mapping (QSM) and for high iron concentration quantification with 3D ultrashort echo time sequences: An echo dependence study. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2315-2322.	1.9	26
71	Feasibility of using an inversion-recovery ultrashort echo time (UTE) sequence for quantification of glenoid bone loss. <i>Skeletal Radiology</i> , 2018, 47, 973-980.	1.2	24
72	Fat suppression for ultrashort echo time imaging using a novel soft-hard composite radiofrequency pulse. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2178-2187.	1.9	24

#	ARTICLE	IF	CITATIONS
73	True phase quantitative susceptibility mapping using continuous single-point imaging: a feasibility study. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1907-1914.	1.9	24
74	Qualitative and Quantitative Ultrashort Echo Time Imaging of Musculoskeletal Tissues. <i>Seminars in Musculoskeletal Radiology</i> , 2015, 19, 375-386.	0.4	23
75	ACR Appropriateness Criteria® Chronic Knee Pain. <i>Journal of the American College of Radiology</i> , 2018, 15, S302-S312.	0.9	23
76	Medical student's perception of the COVID-19 pandemic effect on their education and well-being: a cross-sectional survey in the United States. <i>BMC Medical Education</i> , 2022, 22, 149.	1.0	22
77	Persistent Vascular Remodeling and Leakiness are Important Components of the Pathobiology of Rebleeding in Hemophilic Joints: Two Informative Cases. <i>Microcirculation</i> , 2016, 23, 373-378.	1.0	21
78	Advanced Hemophilic Arthropathy: Sensitivity of Soft Tissue Discrimination With Musculoskeletal Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1945-1956.	0.8	21
79	ACR Appropriateness Criteria® Chronic Ankle Pain. <i>Journal of the American College of Radiology</i> , 2018, 15, S26-S38.	0.9	21
80	Adult Inflammatory Arthritides: What the Radiologist Should Know. <i>Radiographics</i> , 2016, 36, 1849-1870.	1.4	20
81	Advanced magnetic resonance imaging of cartilage components in haemophilic joints reveals that cartilage hemosiderin correlates with joint deterioration. <i>Haemophilia</i> , 2019, 25, 851-858.	1.0	20
82	In vivo assessment of extracellular pH of joint tissues using acidoCEST-UTE MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1664-1673.	1.1	20
83	Ultrashort echo time quantitative susceptibility mapping (UTE-QSM) for detection of hemosiderin deposition in hemophilic arthropathy: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3246-3255.	1.9	20
84	Comparative Analysis of Age- and Gender-Associated Microbiome in Lung Adenocarcinoma and Lung Squamous Cell Carcinoma. <i>Cancers</i> , 2020, 12, 1447.	1.7	20
85	MR Parametric Mapping as a Biomarker of Early Joint Degeneration. <i>Sports Health</i> , 2016, 8, 405-411.	1.3	19
86	ACR Appropriateness Criteria Imaging After Shoulder Arthroplasty. <i>Journal of the American College of Radiology</i> , 2016, 13, 1324-1336.	0.9	19
87	Inversion recovery ultrashort echo time imaging of ultrashort T ₂ tissue components in ovine brain at 3T: a sequential D ₂ O exchange study. <i>NMR in Biomedicine</i> , 2017, 30, e3767.	1.6	19
88	Three-dimensional adiabatic inversion recovery prepared ultrashort echo time cones (3D IR-UTE-Cones) imaging of cortical bone in the hip. <i>Magnetic Resonance Imaging</i> , 2017, 44, 60-64.	1.0	19
89	Papillary Thyroid Carcinoma Variants are Characterized by Co-dysregulation of Immune and Cancer Associated Genes. <i>Cancers</i> , 2019, 11, 1179.	1.7	19
90	Ultrashort Echo Time Quantitative Susceptibility Mapping (UTE-QSM) of Highly Concentrated Magnetic Nanoparticles: A Comparison Study about Different Sampling Strategies. <i>Molecules</i> , 2019, 24, 1143.	1.7	19

#	ARTICLE	IF	CITATIONS
91	An Update in Qualitative Imaging of Bone Using Ultrashort Echo Time Magnetic Resonance. <i>Frontiers in Endocrinology</i> , 2020, 11, 555756.	1.5	19
92	Superior Labrum Anterior and Posterior Lesions and Microinstability. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2012, 20, 277-294.	0.6	18
93	Posterolateral and Posteromedial Corner Injuries of the Knee. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2014, 22, 581-599.	0.6	18
94	Imaging the Knee in the Setting of Metal Hardware. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2014, 22, 765-786.	0.6	18
95	ACR Appropriateness Criteria® Acute Hip Pain-Suspected Fracture. <i>Journal of the American College of Radiology</i> , 2019, 16, S18-S25.	0.9	18
96	Magic angle effect on adiabatic T ₁ ρ imaging of the Achilles tendon using 3D ultrashort echo time cones trajectory. <i>NMR in Biomedicine</i> , 2020, 33, e4322.	1.6	18
97	Musculoskeletal ultrasound in hemophilia: Results and recommendations from a global survey and consensus meeting. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021, 5, e12531.	1.0	18
98	Prevalence of sternoclavicular joint calcium pyrophosphate dihydrate crystal deposition on computed tomography. <i>Clinical Imaging</i> , 2014, 38, 380-383.	0.8	17
99	Imaging and quantification of iron oxide nanoparticles (IONP) using MPAGE and UTE based sequences. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 226-232.	1.9	17
100	Quantitative three-dimensional ultrashort echo time cones imaging of the knee joint with motion correction. <i>NMR in Biomedicine</i> , 2020, 33, e4214.	1.6	17
101	Magnetic resonance imaging of the shoulder. <i>Polish Journal of Radiology</i> , 2020, 85, 420-439.	0.5	17
102	Ultrashort echo time bi-component analysis of cortical bone's a field dependence study. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1075-1081.	1.9	16
103	ACR Appropriateness Criteria® Chronic Hip Pain. <i>Journal of the American College of Radiology</i> , 2017, 14, S90-S102.	0.9	16
104	The prognostic and diagnostic value of 18F-FDG PET/CT for assessment of symptomatic osteoarthritis. <i>Nuclear Medicine Communications</i> , 2018, 39, 699-706.	0.5	16
105	Ultrashort echo time (UTE) magnetic resonance imaging of myelin: technical developments and challenges. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1186-1203.	1.1	16
106	Use of ultrasound for assessment of musculoskeletal disease in persons with haemophilia: Results of an International Prophylaxis Study Group global survey. <i>Haemophilia</i> , 2020, 26, 685-693.	1.0	16
107	Isolated lateral collateral ligament complex injury in rock climbing and Brazilian Jiu-jitsu. <i>Skeletal Radiology</i> , 2015, 44, 1175-1179.	1.2	15
108	Deep lateral notch sign and double notch sign in complete tears of the anterior cruciate ligament: MR imaging evaluation. <i>Skeletal Radiology</i> , 2015, 44, 385-391.	1.2	15

#	ARTICLE	IF	CITATIONS
109	Ultrashort echo time T2 $\hat{=}$ values decrease in tendons with application of static tensile loads. <i>Journal of Biomechanics</i> , 2017, 61, 160-167.	0.9	15
110	Inversion recovery UTE based volumetric myelin imaging in human brain using interleaved hybrid encoding. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 950-961.	1.9	15
111	Water proton density in human cortical bone obtained from ultrashort echo time (UTE) MRI predicts bone microstructural properties. <i>Magnetic Resonance Imaging</i> , 2020, 67, 85-89.	1.0	15
112	Volumetric imaging of myelin in vivo using 3D inversion recovery-prepared ultrashort echo time cones magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2020, 33, e4326.	1.6	15
113	The Liver Microbiome Is Implicated in Cancer Prognosis and Modulated by Alcohol and Hepatitis B. <i>Cancers</i> , 2020, 12, 1642.	1.7	15
114	The shiny corner of the knee: a sign of meniscal osteochondral unit dysfunction. <i>Skeletal Radiology</i> , 2014, 43, 1403-1409.	1.2	14
115	ACR Appropriateness Criteria $\hat{=}$ Chronic Extremity Joint Pain $\hat{=}$ Suspected Inflammatory Arthritis. <i>Journal of the American College of Radiology</i> , 2017, 14, S81-S89.	0.9	14
116	Quantitative Ultrasound and B-Mode Image Texture Features Correlate with Collagen and Myelin Content in Human Ulnar Nerve Fascicles. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1830-1840.	0.7	14
117	Assessment of mechanical properties of articular cartilage with quantitative three-dimensional ultrashort echo time (UTE) cones magnetic resonance imaging. <i>Journal of Biomechanics</i> , 2020, 113, 110085.	0.9	14
118	Inversion recovery zero echo time (IR-ZTE) imaging for direct myelin detection in human brain: a feasibility study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 895-906.	1.1	14
119	Automated cartilage segmentation and quantification using 3D ultrashort echo time (UTE) cones MR imaging with deep convolutional neural networks. <i>European Radiology</i> , 2021, 31, 7653-7663.	2.3	14
120	Thickness of the Meniscal Lamellar Layer: Correlation with Indentation Stiffness and Comparison of Normal and Abnormally Thick Layers by Using Multiparametric Ultrashort Echo Time MR Imaging. <i>Radiology</i> , 2016, 280, 161-168.	3.6	13
121	MR morphology of triangular fibrocartilage complex: correlation with quantitative MR and biomechanical properties. <i>Skeletal Radiology</i> , 2016, 45, 447-454.	1.2	13
122	MR Arthrogram Features That Can Be Used to Distinguish Between True Inferior Glenohumeral Ligament Complex Tears and Iatrogenic Extravasation. <i>American Journal of Roentgenology</i> , 2019, 212, 411-417.	1.0	13
123	Identification and Characterization of the Intra-Articular Microbiome in the Osteoarthritic Knee. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8618.	1.8	13
124	Quantitative bi-component T2* analysis of histologically normal Achilles tendons. <i>Muscles, Ligaments and Tendons Journal</i> , 2015, 5, 58-62.	0.1	13
125	AcidoCEST-UTE MRI Reveals an Acidic Microenvironment in Knee Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4466.	1.8	13
126	Neuromuscular Ultrasound Application to the Electrodiagnostic Evaluation of Quadrilateral Space Syndrome. <i>PM and R</i> , 2014, 6, 845-848.	0.9	12

#	ARTICLE	IF	CITATIONS
127	Flexor carpi radialis brevis: case report of a symptomatic tear. <i>Skeletal Radiology</i> , 2018, 47, 1705-1708.	1.2	12
128	Rotator Cuff Tendon Assessment in Symptomatic and Control Groups Using Quantitative MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 864-872.	1.9	12
129	Ultrashort echo time Cones double echo steady state (UTE-Cones-DESS) for rapid morphological imaging of short T ₂ tissues. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 881-892.	1.9	12
130	Quantitative 3D Ultrashort Echo Time Magnetization Transfer Imaging for Evaluation of Knee Cartilage Degeneration In Vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1294-1302.	1.9	12
131	Rotator Cuff Tendon Ultrastructure Assessment With Reduced-Orientation Dipolar Anisotropy Fiber Imaging. <i>American Journal of Roentgenology</i> , 2014, 202, W376-w378.	1.0	11
132	Improving Trainee Competency and Comfort Level with Needle Driving Using Simulation Training. <i>Pain Medicine</i> , 2016, 17, pnv056.	0.9	11
133	ACR Appropriateness Criteria® Chronic Wrist Pain. <i>Journal of the American College of Radiology</i> , 2018, 15, S39-S55.	0.9	11
134	Improved volumetric myelin imaging in human brain using 3D dual echo inversion recovery-prepared UTE with complex echo subtraction. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1168-1177.	1.9	11
135	ACR Appropriateness Criteria® Acute Trauma to the Ankle. <i>Journal of the American College of Radiology</i> , 2020, 17, S355-S366.	0.9	11
136	Ultrashort Echo Time MRI (UTE-MRI) Quantifications of Cortical Bone Varied Significantly at Body Temperature Compared with Room Temperature. <i>Investigative Magnetic Resonance Imaging</i> , 2019, 23, 202.	0.2	11
137	Hypointense signal lesions of the articular cartilage: a review of current concepts. <i>Clinical Imaging</i> , 2014, 38, 785-791.	0.8	10
138	Humeral avulsions of the inferior glenohumeral ligament complex involving the axillary pouch in professional baseball players. <i>Skeletal Radiology</i> , 2014, 43, 35-41.	1.2	10
139	MR imaging findings of trigger thumb. <i>Skeletal Radiology</i> , 2015, 44, 1201-1207.	1.2	10
140	Etiology-Specific Analysis of Hepatocellular Carcinoma Transcriptome Reveals Genetic Dysregulation in Pathways Implicated in Immunotherapy Efficacy. <i>Cancers</i> , 2019, 11, 1273.	1.7	10
141	Assessing the Performance of Morphologic and Echogenic Features in Median Nerve Ultrasound for Carpal Tunnel Syndrome Diagnosis. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1165-1174.	0.8	10
142	ACR Appropriateness Criteria® Acute Trauma to the Knee. <i>Journal of the American College of Radiology</i> , 2020, 17, S12-S25.	0.9	10
143	Inversion Recovery Ultrashort TE MR Imaging of Myelin is Significantly Correlated with Disability in Patients with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2021, 42, 868-874.	1.2	10
144	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). <i>Journal of Magnetic Resonance</i> , 2021, 323, 106898.	1.2	10

#	ARTICLE	IF	CITATIONS
145	Identification of Lung and Blood Microbiota Implicated in COVID-19 Prognosis. <i>Cells</i> , 2021, 10, 1452.	1.8	10
146	Correlation between the elastic modulus of anterior cruciate ligament (ACL) and quantitative ultrashort echo time (UTE) magnetic resonance imaging. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2330-2339.	1.2	10
147	High-resolution morphologic and ultrashort time-to-echo quantitative magnetic resonance imaging of the temporomandibular joint. <i>Skeletal Radiology</i> , 2016, 45, 383-391.	1.2	9
148	T ₁ measurement of bound water in cortical bone using 3D adiabatic inversion recovery ultrashort echo time (3D IR-UTE) Cones imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 634-645.	1.9	9
149	Cardiovascular, cerebrovascular, and renal co-morbidities in COVID-19 patients: A systematic-review and meta-analysis. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3755-3764.	1.9	9
150	COVID-19 Severity Potentially Modulated by Cardiovascular-Disease-Associated Immune Dysregulation. <i>Viruses</i> , 2021, 13, 1018.	1.5	9
151	Quantitative Magnetic Resonance Imaging of Cortical and Trabecular Bone. <i>Seminars in Musculoskeletal Radiology</i> , 2020, 24, 386-401.	0.4	9
152	Case 172: Retroperitoneal Castleman Disease (Hyaline Vascular Type). <i>Radiology</i> , 2011, 260, 601-605.	3.6	8
153	Intramedullary fat globules related to bone trauma: a new MR imaging finding. <i>Skeletal Radiology</i> , 2014, 43, 1713-1719.	1.2	8
154	Suture slippage in knotless suture anchors resulting in subacromial-subdeltoid bursitis. <i>Skeletal Radiology</i> , 2016, 45, 703-706.	1.2	8
155	Assessment of an in vitro model of rotator cuff degeneration using quantitative magnetic resonance and ultrasound imaging with biochemical and histological correlation. <i>European Journal of Radiology</i> , 2019, 121, 108706.	1.2	8
156	AcidoCEST-UTE MRI for the Assessment of Extracellular pH of Joint Tissues at 3 T. <i>Investigative Radiology</i> , 2019, 54, 565-571.	3.5	8
157	Detecting Articular Cartilage and Meniscus Deformation Effects Using Magnetization Transfer Ultrashort Echo Time (MT-UTE) Modeling during Mechanical Load Application: Ex Vivo Feasibility Study. <i>Cartilage</i> , 2020, , 194760352097677.	1.4	8
158	Extensor retinaculum of the wrist: gross anatomical correlation with MR imaging after ultrasound-guided tenography with emphasis on anatomical features in wrist dorsiflexion responsible for tendon impingement. <i>Skeletal Radiology</i> , 2013, 42, 1727-1737.	1.2	7
159	Current Concepts on Imaging Diagnosis of Rotator Cuff Disease. <i>Seminars in Musculoskeletal Radiology</i> , 2014, 18, 412-424.	0.4	7
160	Nonoperative Management of a Severe Proximal Rectus Femoris Musculotendinous Injury in a Recreational Athlete: A Case Report. <i>PM and R</i> , 2018, 10, 1417-1421.	0.9	7
161	ACR Appropriateness Criteria® Acute Trauma to the Foot. <i>Journal of the American College of Radiology</i> , 2020, 17, S2-S11.	0.9	7
162	Rapid single scan ramped hybrid-encoding for bicomponent T2* mapping in a human knee joint: A feasibility study. <i>NMR in Biomedicine</i> , 2020, 33, e4391.	1.6	7

#	ARTICLE	IF	CITATIONS
163	Comprehensive assessment of in vivo lumbar spine intervertebral discs using a 3D adiabatic T1 ρ -prepared ultrashort echo time (UTE-Adiab-T1 ρ) pulse sequence. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 269-280.	1.1	7
164	A Useful Combination of Quantitative Ultrashort Echo Time MR Imaging and a Probing Device for Biomechanical Evaluation of Articular Cartilage. <i>Biosensors</i> , 2021, 11, 52.	2.3	7
165	On the fat saturation effect in quantitative ultrashort TE MR imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2388-2397.	1.9	7
166	Bipartite Medial Cuneiform: Case Report and Retrospective Review of 1000 Magnetic Resonance (MR) Imaging Studies. <i>Case Reports in Medicine</i> , 2014, 2014, 1-4.	0.3	6
167	The effect of excitation and preparation pulses on nonslice selective 2D UTE bicomponent analysis of bound and free water in cortical bone at 3T. <i>Medical Physics</i> , 2014, 41, 022306.	1.6	6
168	Solitary subcutaneous sarcoidosis with massive chronic prepatellar bursal involvement. <i>Skeletal Radiology</i> , 2016, 45, 1741-1745.	1.2	6
169	Acquired Hemophilia A (FVIII Deficiency) Associated with Papillary Thyroid Cancer: Treatment with Recombinant Porcine FVIII. <i>Case Reports in Hematology</i> , 2019, 2019, 1-5.	0.3	6
170	Pectoralis major tendon and enthesis: anatomic, magnetic resonance imaging, ultrasonographic, and histologic investigation. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1590-1598.	1.2	6
171	AcidoCEST MRI Evaluates the Bone Microenvironment in Multiple Myeloma. <i>Molecular Imaging and Biology</i> , 2021, 23, 865-873.	1.3	6
172	High contrast cartilaginous endplate imaging using a 3D adiabatic inversion-recovery-prepared fat-saturated ultrashort echo time (3D IR-FS-UTE) sequence. <i>NMR in Biomedicine</i> , 2021, 34, e4579.	1.6	6
173	Bleeding with iron deposition and vascular remodelling in subchondral cysts: A newly discovered feature unique to haemophilic arthropathy. <i>Haemophilia</i> , 2021, 27, e730-e738.	1.0	6
174	Ossification of the Posterior Longitudinal Ligament on Zero-TE MRI With "CT-Like" Contrast. <i>American Journal of Roentgenology</i> , 2021, 217, 1-1.	1.0	6
175	Feasibility of an Inversion Recovery-Prepared Fat-Saturated Zero Echo Time Sequence for High Contrast Imaging of the Osteochondral Junction. <i>Frontiers in Endocrinology</i> , 2021, 12, 777080.	1.5	6
176	Cartilage assessment of the metacarpophalangeal joints: cadaveric study with magnetic resonance arthrography and finger traction. <i>Clinical Imaging</i> , 2013, 37, 718-722.	0.8	5
177	Morphologic characterization of meniscal root ligaments in the human knee with magnetic resonance microscopy at 11.7 and 3 T. <i>Skeletal Radiology</i> , 2014, 43, 1395-1402.	1.2	5
178	Ultrashort Echo Time T1 ρ s Sensitive to Enzymatic Degeneration of Human Menisci. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 637-642.	0.5	5
179	High-Resolution Qualitative and Quantitative Magnetic Resonance Evaluation of the Glenoid Labrum. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 936-944.	0.5	5
180	Characterization of intramuscular calf vein thrombosis on routine knee MRI. <i>Skeletal Radiology</i> , 2019, 48, 1573-1580.	1.2	5

#	ARTICLE	IF	CITATIONS
181	Fast quantitative three-dimensional ultrashort echo time (UTE) Cones magnetic resonance imaging of major tissues in the knee joint using extended spiral sampling. <i>NMR in Biomedicine</i> , 2020, 33, e4376.	1.6	5
182	Ultrashort echo time adiabatic T1ρ (UTE-Adiab-T1ρ) is sensitive to human cadaveric knee joint deformation induced by mechanical loading and unloading. <i>Magnetic Resonance Imaging</i> , 2021, 80, 98-105.	1.0	5
183	Magnetic resonance imaging of the elbow. <i>Polish Journal of Radiology</i> , 2020, 85, 440-460.	0.5	5
184	MRI-based mechanical competence assessment of bone using micro finite element analysis (micro-FEA): Review. <i>Magnetic Resonance Imaging</i> , 2022, 88, 9-19.	1.0	5
185	Quantitative assessment of articular cartilage degeneration using 3D ultrashort echo time cones adiabatic T1ρ (3D UTE-Cones-AdiabT1ρ) imaging. <i>European Radiology</i> , 2022, 32, 6178-6186.	2.3	5
186	Lower Macromolecular Content in Tendons of Female Patients with Osteoporosis versus Patients with Osteopenia Detected by Ultrashort Echo Time (UTE) MRI. <i>Diagnostics</i> , 2022, 12, 1061.	1.3	5
187	Medial supracondylar stress fracture in an adolescent pitcher. <i>Skeletal Radiology</i> , 2014, 43, 85-88.	1.2	4
188	Off-resonance saturation ratio obtained with ultrashort echo time magnetization transfer techniques is sensitive to changes in static tensile loading of tendons and degeneration. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1064-1071.	1.9	4
189	Osteoid osteoma of the scaphoid: magnetic resonance imaging vessel sign. <i>Clinical Imaging</i> , 2015, 39, 725-727.	0.8	4
190	Feasibility of quantitative ultrashort echo time (UTE)-based methods for MRI of peripheral nerve. <i>NMR in Biomedicine</i> , 2018, 31, e3948.	1.6	4
191	The Landscape of Long Non-Coding RNA Dysregulation and Clinical Relevance in Muscle Invasive Bladder Urothelial Carcinoma. <i>Cancers</i> , 2019, 11, 1919.	1.7	4
192	Calcineurin-inhibitor induced pain syndrome – Magnetic resonance imaging and scintigraphic findings illustrated through two cases. <i>Clinical Imaging</i> , 2019, 53, 174-178.	0.8	4
193	Evaluation of enzymatic proteoglycan loss and collagen degradation in human articular cartilage using ultrashort echo time-based biomarkers: A feasibility study. <i>NMR in Biomedicine</i> , 2022, 35, e4664.	1.6	4
194	Delaminating infraspinatus tendon tears with differential retraction: imaging features and surgical relevance. <i>Skeletal Radiology</i> , 2017, 46, 41-50.	1.2	3
195	Multimodal Bioluminescent and Positron-emission Tomography/Computational Tomography Imaging of Multiple Myeloma Bone Marrow Xenografts in NOG Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
196	High-Density Mineralized Protrusions and Central Osteophytes: Associated Osteochondral Junction Abnormalities in Osteoarthritis. <i>Diagnostics</i> , 2020, 10, 1051.	1.3	3
197	A receptor-binding radiopharmaceutical for imaging of traumatic brain injury in a rodent model: [99mTc]Tc-tilmanocept. <i>Nuclear Medicine and Biology</i> , 2021, 92, 107-114.	0.3	3
198	Dose-Lowering in Contrast-Enhanced MRI of the Central Nervous System: A Retrospective, Parallel-Group Comparison Using Gadobenate Dimeglumine. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1660-1675.	1.9	3

#	ARTICLE	IF	CITATIONS
199	Knee Fat Pad Volumes in Patients with Hemophilia and Their Relationship with Osteoarthritis. Arthritis, 2017, 2017, 1-8.	2.0	2
200	Imaging Diagnosis of Rotator Cuff Pathology and Impingement Syndromes. , 2019, , 87-125.		2
201	Multimodal imaging assessment and histologic correlation of the female rat pelvic floor musclesâ€™ anatomy. Journal of Anatomy, 2019, 234, 543-550.	0.9	2
202	Tobacco Smoke and Electronic Cigarette Vapor Alter Enhancer RNA Expression That Can Regulate the Pathogenesis of Lung Squamous Cell Carcinoma. Cancers, 2021, 13, 4225.	1.7	2
203	Pocket Handheld Ultrasound As a Novel Point-of-Care Imaging Modality to Diagnose Bleeding in Hemophilic Joints. Blood, 2016, 128, 2345-2345.	0.6	2
204	Acute short radiolunate ligament rupture in a rock climber. Skeletal Radiology, 2014, 43, 235-238.	1.2	1
205	Editorial on "Multiparametric MR Investigation of Proteoglycan Diffusivity, T ₂ Relaxation, and Concentration in an ex vivo Model of Intervertebral Disc Degeneration". Journal of Magnetic Resonance Imaging, 2020, 51, 1401-1402.	1.9	1
206	Knee Cartilage Imaging. Clinics in Sports Medicine, 2021, 40, 677-692.	0.9	1
207	Advanced Quantitative MSK Imaging. Seminars in Musculoskeletal Radiology, 2020, 24, 335-336.	0.4	1
208	Case 172. Radiology, 2011, 259, 296-297.	3.6	0
209	Intraligamentous synovial chondromatosis of the anterior cruciate ligament. Skeletal Radiology, 2020, 49, 645-650.	1.2	0
210	Reproductive tract immune cells from pregnant women or those using depot medroxyprogesterone acetate show no excess susceptibility to HIV-1: Results of an ex vivo fusion assay. Contraception, 2021, 103, 44-47.	0.8	0
211	Novel fluorescent staining protocol for thick sections of human osteochondral tissues to facilitate correlation with MRI and CT. Skeletal Radiology, 2021, 50, 2281-2288.	1.2	0
212	Editorial for "Change in Susceptibility Values in Knee Cartilage After Marathon Running Measured Using Quantitative Susceptibility Mapping". Journal of Magnetic Resonance Imaging, 2021, 54, 1594-1595.	1.9	0
213	The Propagation of Hemophilic Arthropathy - the Role of Abnormal Angiogenesis and Vascular Remodeling in Recurrent Joint Bleeding in Adults with Hemophilia. Blood, 2015, 126, 3538-3538.	0.6	0
214	Dynamic magnetic resonance imaging of partial-thickness re-tearing of distal biceps tendon after endobutton repair. American Journal of Orthopedics, 2014, 43, 517-20.	0.7	0
215	The value of supplemental prone imaging in low-dose CT lung cancer screening. A technical note. Monaldi Archives for Chest Disease, 2022, , .	0.3	0
216	Musculoskeletal Imaging of the Older Population. Radiologic Clinics of North America, 2022, 60, xv.	0.9	0