Frank Roemer

List of Publications by Year
in descending order

354 papers	16,093 citations	16791 66 h-index	28425 109 g-index
358 all docs	358 docs citations	358 times ranked	8981 citing authors

#	Article	IF	Citations
1	Evolution of semi-quantitative whole joint assessment of knee OA: MOAKS (MRI Osteoarthritis Knee) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	690
2	Correlation of the development of knee pain with enlarging bone marrow lesions on magnetic resonance imaging. Arthritis and Rheumatism, 2007, 56, 2986-2992.	6.7	392
3	Articular Cartilage in the Knee: Current MR Imaging Techniques and Applications in Clinical Practice and Research<sup />. Radiographics, 2011, 31, 37-61.	1.4	388
4	Prevalence of abnormalities in knees detected by MRI in adults without knee osteoarthritis: population based observational study (Framingham Osteoarthritis Study). BMJ, The, 2012, 345, e5339-e5339.	3.0	371
5	Treatment for acute anterior cruciate ligament tear: five year outcome of randomised trial. BMJ, The, 2013, 346, f232-f232.	3.0	369
6	Meniscal tear in knees without surgery and the development of radiographic osteoarthritis among middleâ€aged and elderly persons: The multicenter osteoarthritis study. Arthritis and Rheumatism, 2009, 60, 831-839.	6.7	341
7	Presence of MRI-detected joint effusion and synovitis increases the risk of cartilage loss in knees without osteoarthritis at 30-month follow-up: the MOST study. Annals of the Rheumatic Diseases, 2011, 70, 1804-1809.	0.5	289
8	Meniscus pathology, osteoarthritis and the treatment controversy. Nature Reviews Rheumatology, 2012, 8, 412-419.	3.5	283
9	Fluctuation of knee pain and changes in bone marrow lesions, effusions, and synovitis on magnetic resonance imaging. Arthritis and Rheumatism, 2011, 63, 691-699.	6.7	274
10	Change in MRI-detected subchondral bone marrow lesions is associated with cartilage loss: the MOST Study. A longitudinal multicentre study of knee osteoarthritis. Annals of the Rheumatic Diseases, 2009, 68, 1461-1465.	0.5	256
11	Synovitis in knee osteoarthritis: a precursor of disease?. Annals of the Rheumatic Diseases, 2016, 75, 390-395.	0.5	228
12	MRI-detected subchondral bone marrow signal alterations of the knee joint: terminology, imaging appearance, relevance and radiological differential diagnosis. Osteoarthritis and Cartilage, 2009, 17, 1115-1131.	0.6	222
13	Valgus malalignment is a risk factor for lateral knee osteoarthritis incidence and progression: Findings from the multicenter osteoarthritis study and the osteoarthritis initiative. Arthritis and Rheumatism, 2013, 65, 355-362.	6.7	214
14	Association of Joint Inflammation With Pain Sensitization in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology, 2016, 68, 654-661.	2.9	195
15	Compositional MRI techniques for evaluation of cartilage degeneration in osteoarthritis. Osteoarthritis and Cartilage, 2015, 23, 1639-1653.	0.6	186
16	Intra-articular Corticosteroid Injections in the Hip and Knee: Perhaps Not as Safe as We Thought?. Radiology, 2019, 293, 656-663.	3.6	186
17	Advances in Imaging of Osteoarthritis and Cartilage. Radiology, 2011, 260, 332-354.	3.6	182
18	Tibiofemoral Joint Osteoarthritis: Risk Factors for MR-depicted Fast Cartilage Loss over a 30-month Period in the Multicenter Osteoarthritis Study. Radiology, 2009, 252, 772-780.	3.6	176

#	Article	IF	Citations
19	Factors Associated with Meniscal Extrusion in Knees with or at Risk for Osteoarthritis: The Multicenter Osteoarthritis Study. Radiology, 2012, 264, 494-503.	3.6	169
20	Assessment of synovitis with contrast-enhanced MRI using a whole-joint semiquantitative scoring system in people with, or at high risk of, knee osteoarthritis: the MOST study. Annals of the Rheumatic Diseases, 2011, 70, 805-811.	0.5	164
21	The role of varus and valgus alignment in the initial development of knee cartilage damage by MRI: the MOST study. Annals of the Rheumatic Diseases, 2013, 72, 235-240.	0.5	164
22	Anatomical distribution of synovitis in knee osteoarthritis and its association with joint effusion assessed on non-enhanced and contrast-enhanced MRI. Osteoarthritis and Cartilage, 2010, 18, 1269-1274.	0.6	158
23	What Comes First? Multitissue Involvement Leading to Radiographic Osteoarthritis: Magnetic Resonance Imagingâ€"Based Trajectory Analysis Over Four Years in the Osteoarthritis Initiative. Arthritis and Rheumatology, 2015, 67, 2085-2096.	2.9	140
24	Hip Osteoarthritis MRI Scoring System (HOAMS): reliability and associations with radiographic and clinical findings. Osteoarthritis and Cartilage, 2011, 19, 946-962.	0.6	132
25	Effect of meniscal damage on the development of frequent knee pain, aching, or stiffness. Arthritis and Rheumatism, 2007, 56, 4048-4054.	6.7	131
26	MRI features of cystic lesions around the knee. Knee, 2008, 15, 423-438.	0.8	126
27	MRI-based semiquantitative scoring of joint pathology in osteoarthritis. Nature Reviews Rheumatology, 2013, 9, 236-251.	3.5	124
28	Why radiography should no longer be considered a surrogate outcome measure for longitudinal assessment of cartilage in knee osteoarthritis. Arthritis Research and Therapy, 2011, 13, 247.	1.6	122
29	Ligamentous Injuries and the Risk of Associated Tissue Damage in Acute Ankle Sprains in Athletes. American Journal of Sports Medicine, 2014, 42, 1549-1557.	1.9	121
30	Brief Report: Cartilage Thickness Change as an Imaging Biomarker of Knee Osteoarthritis Progression: Data From the Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium. Arthritis and Rheumatology, 2015, 67, 3184-3189.	2.9	116
31	Subchondral bone marrow lesions are highly associated with, and predict subchondral bone attrition longitudinally: the MOST study. Osteoarthritis and Cartilage, 2010, 18, 47-53.	0.6	115
32	Imaging of Synovitis in Osteoarthritis: Current Status and Outlook. Seminars in Arthritis and Rheumatism, 2011, 41, 116-130.	1.6	113
33	OARSI Clinical Trials Recommendations: Knee imaging in clinical trials inÂosteoarthritis. Osteoarthritis and Cartilage, 2015, 23, 698-715.	0.6	113
34	Imaging in Osteoarthritis. Rheumatic Disease Clinics of North America, 2008, 34, 645-687.	0.8	111
35	Meniscal pathology on MRI increases the risk for both incident and enlarging subchondral bone marrow lesions of the knee: the MOST Study. Annals of the Rheumatic Diseases, 2010, 69, 1796-1802.	0.5	110
36	Semiquantitative Imaging Biomarkers of Knee Osteoarthritis Progression: Data From the Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium. Arthritis and Rheumatology, 2016, 68, 2422-2431.	2.9	110

#	Article	IF	Citations
37	Imaging of Muscle Injuries in Sports Medicine: Sports Imaging Series. Radiology, 2017, 282, 646-663.	3.6	104
38	Magnetic Resonance Imaging of Subchondral Bone Marrow Lesions in Association with Osteoarthritis. Seminars in Arthritis and Rheumatism, 2012, 42, 105-118.	1.6	99
39	Risk factors for medial meniscal pathology on knee MRI in older US adults: a multicentre prospective cohort study. Annals of the Rheumatic Diseases, 2011, 70, 1733-1739.	0.5	98
40	Medial Posterior Meniscal Root Tears Are Associated with Development or Worsening of Medial Tibiofemoral Cartilage Damage: The Multicenter Osteoarthritis Study. Radiology, 2013, 268, 814-821.	3.6	98
41	State of the Art: MR Imaging after Knee Cartilage Repair Surgery. Radiology, 2015, 277, 23-43.	3.6	97
42	Hoffa's Fat Pad: Evaluation on Unenhanced MR Images as a Measure of Patellofemoral Synovitis in Osteoarthritis. American Journal of Roentgenology, 2009, 192, 1696-1700.	1.0	96
43	State of the Art: Imaging of Osteoarthritisâ€"Revisited 2020. Radiology, 2020, 296, 5-21.	3.6	96
44	Subchondral Cystlike Lesions Develop Longitudinally in Areas of Bone Marrow Edemaâ€"like Lesions in Patients with or at Risk for Knee Osteoarthritis: Detection with MR Imagingâ€"The MOST Study. Radiology, 2010, 256, 855-862.	3.6	95
45	Longitudinal validation of periarticular bone area and 3D shape as biomarkers for knee OA progression? Data from the FNIH OA Biomarkers Consortium. Annals of the Rheumatic Diseases, 2016, 75, 1607-1614.	0.5	95
46	What is the predictive value of MRI for the occurrence of knee replacement surgery in knee osteoarthritis?. Annals of the Rheumatic Diseases, 2013, 72, 1594-1604.	0.5	91
47	OARSI Clinical Trials Recommendations: Hip imaging in clinical trials in osteoarthritis. Osteoarthritis and Cartilage, 2015, 23, 716-731.	0.6	90
48	Imaging for osteoarthritis. Annals of Physical and Rehabilitation Medicine, 2016, 59, 161-169.	1.1	90
49	Association between patella alta and the prevalence and worsening of structural features of patellofemoral joint osteoarthritis: The multicenter osteoarthritis study. Arthritis Care and Research, 2010, 62, 1258-1265.	1.5	89
50	The association of prevalent medial meniscal pathology with cartilage loss in the medial tibiofemoral compartment over a 2-year period. Osteoarthritis and Cartilage, 2010, 18, 336-343.	0.6	88
51	The role of imaging in osteoarthritis. Best Practice and Research in Clinical Rheumatology, 2014, 28, 31-60.	1.4	87
52	Long-term osseous sequelae after acute trauma of the knee joint evaluated by MRI. Skeletal Radiology, 2002, 31, 615-623.	1.2	85
53	Prevalence of bone attrition on knee radiographs and MRI in a community-based cohort. Osteoarthritis and Cartilage, 2008, 16, 1005-1010.	0.6	83
54	Partial meniscectomy is associated with increased risk of incident radiographic osteoarthritis and worsening cartilage damage in the following year. European Radiology, 2017, 27, 404-413.	2.3	83

#	Article	IF	Citations
55	Significance of Preradiographic Magnetic Resonance Imaging Lesions in Persons at Increased Risk of Knee Osteoarthritis. Arthritis and Rheumatology, 2014, 66, 1811-1819.	2.9	77
56	Anterior Cruciate Ligament OsteoArthritis Score (ACLOAS): Longitudinal MRI-based whole joint assessment of anterior cruciate ligament injury. Osteoarthritis and Cartilage, 2014, 22, 668-682.	0.6	76
57	Comparison of BLOKS and WORMS scoring systems part I. Cross sectional comparison of methods to assess cartilage morphology, meniscal damage and bone marrow lesions on knee MRI: data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2010, 18, 1393-1401.	0.6	75
58	Predictive validity of within-grade scoring of longitudinal changes of MRI-based cartilage morphology and bone marrow lesion assessment in the tibio-femoral joint â€“ the MOST study. Osteoarthritis and Cartilage, 2012, 20, 1391-1398.	0.6	75
59	Comparison of BLOKS and WORMS scoring systems part II. Longitudinal assessment of knee MRIs for osteoarthritis and suggested approach based on their performance: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2010, 18, 1402-1407.	0.6	74
60	Knee malalignment is associated with an increased risk for incident and enlarging bone marrow lesions in the more loaded compartments: the MOST study. Osteoarthritis and Cartilage, 2012, 20, 1227-1233.	0.6	74
61	Osteoarthritis. Rheumatic Disease Clinics of North America, 2013, 39, 567-591.	0.8	73
62	Synovitis in Knee Osteoarthritis Assessed by Contrast-enhanced Magnetic Resonance Imaging (MRI) is Associated with Radiographic Tibiofemoral Osteoarthritis and MRI-detected Widespread Cartilage Damage: The MOST Study. Journal of Rheumatology, 2014, 41, 501-508.	1.0	73
63	Association between measures of trochlear morphology and structural features of patellofemoral joint osteoarthritis on MRI: The MOST study. Journal of Orthopaedic Research, 2012, 30, 1-8.	1.2	72
64	Using magnetic resonance imaging to determine the compartmental prevalence of knee joint structural damage. Osteoarthritis and Cartilage, 2013, 21, 695-699.	0.6	70
65	Can Structural Joint Damage Measured with MR Imaging Be Used to Predict Knee Replacement in the Following Year?. Radiology, 2015, 274, 810-820.	3.6	70
66	The association of bone attrition with knee pain and other MRI features of osteoarthritis. Annals of the Rheumatic Diseases, 2008, 67, 43-47.	0.5	68
67	Subchondral bone attrition may be a reflection of compartment-specific mechanical load: the MOST Study. Annals of the Rheumatic Diseases, 2010, 69, 841-844.	0.5	68
68	Brief Report: Partialâ€•and Fullâ€Thickness Focal Cartilage Defects Contribute Equally to Development of New Cartilage Damage in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology, 2017, 69, 560-564.	2.9	68
69	Short tau inversion recovery and proton density-weighted fat suppressed sequences for the evaluation of osteoarthritis of the knee with a 1.0 T dedicated extremity MRI: development of a time-efficient sequence protocol. European Radiology, 2005, 15, 978-987.	2.3	65
70	Comparison of Diagnostic Performance of Semi-Quantitative Knee Ultrasound and Knee Radiography with MRI: Oulu Knee Osteoarthritis Study. Scientific Reports, 2016, 6, 22365.	1.6	65
71	Risk factors for magnetic resonance imagingâ€“detected patellofemoral and tibiofemoral cartilage loss during a sixâ€•month period: The Joints On Glucosamine study. Arthritis and Rheumatism, 2012, 64, 1888-1898.	6.7	64
72	Delaying ACL reconstruction and treating with exercise therapy alone may alter prognostic factors for 5-year outcome: an exploratory analysis of the KANON trial. British Journal of Sports Medicine, 2017, 51, 1622-1629.	3.1	64

#	Article	IF	Citations
73	Changes in patellofemoral and tibiofemoral joint cartilage damage and bone marrow lesions over 7 years: the Multicenter Osteoarthritis Study. Osteoarthritis and Cartilage, 2016, 24, 1160-1166.	0.6	63
74	Detection of Osteophytes and Subchondral Cysts in the Knee with Use of Tomosynthesis. Radiology, 2012, 263, 206-215.	3.6	61
75	Ultrasound Assessment of Medial Meniscal Extrusion: A Validation Study Using MRI as Reference Standard. American Journal of Roentgenology, 2015, 204, 584-588.	1.0	61
76	The association of meniscal damage with joint effusion in persons without radiographic osteoarthritis: the Framingham and MOST osteoarthritis studies. Osteoarthritis and Cartilage, 2009, 17, 748-753.	0.6	60
77	Quadriceps weakness, patella alta, and structural features of patellofemoral osteoarthritis. Arthritis Care and Research, 2011, 63, 1391-1397.	1.5	60
78	The role of radiography and MRI for eligibility assessment in DMOAD trials of knee OA. Nature Reviews Rheumatology, 2018, 14, 372-380.	3.5	60
79	Plain Radiography and Magnetic Resonance Imaging Diagnostics in Osteoarthritis: Validated Staging and Scoring. Journal of Bone and Joint Surgery - Series A, 2009, 91, 54-62.	1.4	58
80	Meniscus morphology: Does tear type matter? A narrative review with focus on relevance for osteoarthritis research. Seminars in Arthritis and Rheumatism, 2017, 46, 552-561.	1.6	58
81	Semiquantitative assessment of focal cartilage damage at 3T MRI: A comparative study of dual echo at steady state (DESS) and intermediate-weighted (IW) fat suppressed fast spin echo sequences. European Journal of Radiology, 2011, 80, e126-e131.	1.2	57
82	Magnetic resonance imaging of Hoffa's fat pad and relevance for osteoarthritis research: a narrative review. Osteoarthritis and Cartilage, 2016, 24, 383-397.	0.6	56
83	Unresolved Questions in Rheumatology: Motion for Debate: Osteoarthritis Clinical Trials Have Not Identified Efficacious Therapies Because Traditional Imaging Outcome Measures Are Inadequate. Arthritis and Rheumatism, 2013, 65, 2748-2758.	6.7	54
84	Acute hamstring injury in football players: Association between anatomical location and extent of injuryâ€"A large single-center MRI report. Journal of Science and Medicine in Sport, 2016, 19, 317-322.	0.6	54
85	Baseline radiographic osteoarthritis and semi-quantitatively assessed meniscal damage and extrusion and cartilage damage on MRI is related to quantitatively defined cartilage thickness loss in knee osteoarthritis: the Multicenter Osteoarthritis Study. Osteoarthritis and Cartilage, 2015, 23, 2191-2198.	0.6	53
86	Cartilage thickening in early radiographic knee osteoarthritis: A withinâ€person, betweenâ€knee comparison. Arthritis Care and Research, 2012, 64, 1681-1690.	1.5	51
87	Treatment for acute anterior cruciate ligament tear: five year outcome of randomised trial. British Journal of Sports Medicine, 2015, 49, 700-700.	3.1	51
88	Magnetic Resonance Imaging-Based Semiquantitative and Quantitative Assessment in Osteoarthritis. Rheumatic Disease Clinics of North America, 2009, 35, 521-555.	0.8	50
89	Quantitative MR Imaging of Cartilage and Trabecular Bone in Osteoarthritis. Radiologic Clinics of North America, 2009, 47, 655-673.	0.9	50
90	Semiquantitative assessment of subchondral bone marrow edema-like lesions and subchondral cysts of the knee at 3T MRI: A comparison between intermediate-weighted fat-suppressed spin echo and Dual Echo Steady State sequences. BMC Musculoskeletal Disorders, 2011, 12, 198.	0.8	50

#	Article	IF	Citations
91	Prevalence of magnetic resonance imagingâ€“defined atrophic and hypertrophic phenotypes of knee osteoarthritis in a populationâ€based cohort. Arthritis and Rheumatism, 2012, 64, 429-437.	6.7	50
92	Osteopotentia regulates osteoblast maturation, bone formation, and skeletal integrity in mice. Journal of Cell Biology, 2010, 189, 511-525.	2.3	49
93	Semi-quantitative MRI biomarkers of knee osteoarthritis progression in the FNIH biomarkers consortium cohortâ€‰â^'â€‰Methodologic aspects and definition of change. BMC Musculoskeletal Disorders, 2016, 17, 466.	0.8	48
94	Effect of Oral Glucosamine on Joint Structure in Individuals With Chronic Knee Pain: A Randomized, Placeboâ€Controlled Clinical Trial. Arthritis and Rheumatology, 2014, 66, 930-939.	2.9	47
95	Pre-radiographic osteoarthritic changes are highly prevalent in theÂmedial patella and medial posterior femur in older persons: Framingham OA study. Osteoarthritis and Cartilage, 2014, 22, 76-83.	0.6	47
96	Predictive Validity of Radiographic Trabecular Bone Texture in Knee Osteoarthritis. Arthritis and Rheumatology, 2018, 70, 80-87.	2.9	46
97	Imaging Features of Postoperative Complications After Spinal Surgery and Instrumentation. American Journal of Roentgenology, 2012, 199, W123-W129.	1.0	45
98	Natural History of Intrameniscal Signal Intensity on Knee MR Images: Six Years of Data from the Osteoarthritis Initiative. Radiology, 2016, 278, 164-171.	3.6	44
99	Co-localisation of non-cartilaginous articular pathology increases risk of cartilage loss in the tibiofemoral jointâ€"the MOST study. Annals of the Rheumatic Diseases, 2013, 72, 942-948.	0.5	43
100	Associations between MRI-defined structural pathology and generalized and localized knee pain â€“ the Oulu Knee Osteoarthritis study. Osteoarthritis and Cartilage, 2016, 24, 1565-1576.	0.6	43
101	Longitudinal assessment of cyst-like lesions of the knee and their relation to radiographic osteoarthritis and MRI-detected effusion and synovitis in patients with knee pain. Arthritis Research and Therapy, 2010, 12, R172.	1.6	42
102	Breaking the Law of Valgus: the surprising and unexplained prevalence of medial patellofemoral cartilage damage. Annals of the Rheumatic Diseases, 2012, 71, 1827-1832.	0.5	42
103	Peripatellar synovitis: comparison between non-contrast-enhanced and contrast-enhanced MRI and association with pain. The MOST study. Osteoarthritis and Cartilage, 2013, 21, 413-418.	0.6	42
104	Imaging of Osteoarthritis. Rheumatic Disease Clinics of North America, 2013, 39, 67-105.	0.8	42
105	MRI-based screening for structural definition of eligibility in clinical DMOAD trials: Rapid OsteoArthritis MRI Eligibility Score (ROAMES). Osteoarthritis and Cartilage, 2020, 28, 71-81.	0.6	42
106	A comparison of dedicated 1.0T extremity MRI vs large-bore 1.5T MRI for semiquantitative whole organ assessment of osteoarthritis: the MOST study. Osteoarthritis and Cartilage, 2010, 18, 168-174.	0.6	41
107	The MeTeOR Trial (Meniscal Tear in Osteoarthritis Research): Rationale and design features. Contemporary Clinical Trials, 2012, 33, 1189-1196.	0.8	41
108	Whole joint MRI assessment of surgical cartilage repair of the knee: Cartilage Repair OsteoArthritis Knee Score (CROAKS). Osteoarthritis and Cartilage, 2014, 22, 779-799.	0.6	41

#	Article	IF	Citations
109	Varus thrust during walking and the risk of incident and worsening medial tibiofemoral MRI lesions: the Multicenter Osteoarthritis Study. Osteoarthritis and Cartilage, 2017, 25, 839-845.	0.6	41
110	Understanding Magnetic Resonance Imaging of Knee Cartilage Repair: A Focus on Clinical Relevance. Cartilage, 2018, 9, 223-236.	1.4	41
111	Clinical significance of worsening versus stable preradiographic MRI lesions in a cohort study of persons at higher risk for knee osteoarthritis. Annals of the Rheumatic Diseases, 2016, 75, 1630-1636.	0.5	40
112	²³Na MRI depicts early changes in ion homeostasis in skeletal muscle tissue of patients with duchenne muscular dystrophy. Journal of Magnetic Resonance Imaging, 2019, 50, 1103-1113.	1.9	40
113	Volumetric and semiquantitative assessment of MRI-detected subchondral bone marrow lesions in knee osteoarthritis: a comparison of contrast-enhanced and non-enhanced imaging. Osteoarthritis and Cartilage, 2010, 18, 1062-1066.	0.6	39
114	Imaging of osteoarthritis. Current Opinion in Rheumatology, 2011, 23, 484-491.	2.0	39
115	The Diagnostic Performance of Anterior Knee Pain and Activity-related Pain in Identifying Knees with Structural Damage in the Patellofemoral Joint: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2014, 41, 1695-1702.	1.0	39
116	Posterior ankle impingement in athletes: Pathogenesis, imaging features and differential diagnoses. European Journal of Radiology, 2015, 84, 2231-2241.	1.2	39
117	Towards prevention of post-traumatic osteoarthritis: report from an international expert working group on considerations for the design and conduct of interventional studies following acute knee injury. Osteoarthritis and Cartilage, 2019, 27, 23-33.	0.6	39
118	Structural effects of sprifermin in knee osteoarthritis: a post-hoc analysis on cartilage and non-cartilaginous tissue alterations in a randomized controlled trial. BMC Musculoskeletal Disorders, 2016, 17, 267.	0.8	38
119	Progression of cartilage damage and meniscal pathology over 30 months is associated with an increase in radiographic tibiofemoral joint space narrowing in persons with knee OA â€“ the MOST study. Osteoarthritis and Cartilage, 2014, 22, 1743-1747.	0.6	36
120	Osteoarthritis: Current Role of Imaging. Medical Clinics of North America, 2009, 93, 101-126.	1.1	35
121	Reference values and Z-scores for subregional femorotibial cartilage thickness â€“ results from a large population-based sample (Framingham) and comparison with the non-exposed Osteoarthritis Initiative reference cohort. Osteoarthritis and Cartilage, 2010, 18, 1275-1283.	0.6	35
122	Increased risk for radiographic osteoarthritis features in young active athletes: a cross-sectional matched caseâ€“control study. Osteoarthritis and Cartilage, 2015, 23, 239-243.	0.6	35
123	Can standardised clinical examination of athletes with acute groin injuries predict the presence and location of MRI findings?. British Journal of Sports Medicine, 2016, 50, 1541-1547.	3.1	35
124	Osteoarthritis year in review 2019: imaging. Osteoarthritis and Cartilage, 2020, 28, 285-295.	0.6	35
125	Using Cumulative Load to Explain How Body Mass Index and Daily Walking Relate to Worsening Knee Cartilage Damage Over Two Years: The <scp>MOST</scp> Study. Arthritis and Rheumatology, 2020, 72, 957-965.	2.9	35
126	MRI-based semiquantitative assessment of subchondral bone marrow lesions in osteoarthritis research. Osteoarthritis and Cartilage, 2009, 17, 414-415.	0.6	34

#	Article	IF	Citations
127	Imaging of osteoarthritisâ€"recent research developments and future perspective. British Journal of Radiology, 2018, 91, 20170349.	1.0	34
128	Tanezumab for chronic low back pain: a randomized, double-blind, placebo- and active-controlled, phase 3 study of efficacy and safety. Pain, 2020, 161, 2068-2078.	2.0	34
129	Association of changes in delayed gadolinium-enhanced MRI of cartilage (dGEMRIC) with changes in cartilage thickness in the medial tibiofemoral compartment of the knee: a 2â€…year follow-up study using 3.0â€…T MRI. Annals of the Rheumatic Diseases, 2014, 73, 1935-1941.	0.5	33
130	The relation of MRI-detected structural damage in the medial and lateral patellofemoral joint to knee pain: the Multicenter and Framingham Osteoarthritis Studies. Osteoarthritis and Cartilage, 2015, 23, 565-570.	0.6	33
131	Comparison of radiographic joint space width and magnetic resonance imaging for prediction of knee replacement: A longitudinal case-control study from the Osteoarthritis Initiative. European Radiology, 2016, 26, 1942-1951.	2.3	33
132	Sports Injuries at the Rio de Janeiro 2016 Summer Olympics: Use of Diagnostic Imaging Services. Radiology, 2018, 287, 922-932.	3.6	33
133	Statin Use and Knee Osteoarthritis Outcome Measures according to the Presence of Heberden Nodes: Results from the Osteoarthritis Initiative. Radiology, 2019, 293, 396-404.	3.6	33
134	Contrast-enhanced MRI of subchondral cysts in patients with or at risk for knee osteoarthritis: The MOST study. European Journal of Radiology, 2010, 75, e92-e96.	1.2	32
135	Three-dimensional turbo spin-echo magnetic resonance imaging (MRI) and semiquantitative assessment of knee osteoarthritis: comparison with two-dimensional routine MRI. Osteoarthritis and Cartilage, 2013, 21, 428-433.	0.6	32
136	New MRI muscle classification systems and associations with return to sport after acute hamstring injuries: a prospective study. European Radiology, 2018, 28, 3532-3541.	2.3	32
137	An illustrative overview of semi-quantitative MRI scoring of knee osteoarthritis: lessons learned from longitudinal observational studies. Osteoarthritis and Cartilage, 2016, 24, 274-289.	0.6	31
138	Imaging of patellar fractures. Insights Into Imaging, 2017, 8, 49-57.	1.6	31
139	Intra- and interrater reliability of three different MRI grading and classification systems after acute hamstring injuries. European Journal of Radiology, 2017, 89, 182-190.	1.2	31
140	The association of magnetic resonance imaging (MRI)-detected structural pathology of the knee with crepitus in a population-based cohort with knee pain: the MoDEKO study. Osteoarthritis and Cartilage, 2011, 19, 1429-1432.	0.6	30
141	Cartilage thickness at the posterior medial femoral condyle is increased in femorotibial knee osteoarthritis: a cross-sectional CT arthrography study (Part 2). Osteoarthritis and Cartilage, 2015, 23, 224-231.	0.6	30
142	Structural effects of intra-articular TGF-Î²1 in moderate to advanced knee osteoarthritis: MRI-based assessment in a randomized controlled trial. BMC Musculoskeletal Disorders, 2017, 18, 461.	0.8	30
143	MRI Findings Consistent with Peripatellar Fat Pad Impingement: How Much Related to Patellofemoral Maltracking?. Magnetic Resonance in Medical Sciences, 2018, 17, 195-202.	1.1	30
144	Assessment of synovitis in the osteoarthritic knee: Comparison between manual segmentation, semiautomated segmentation, and semiquantitative assessment using contrastâ€enhanced fatâ€suppressed T 1 â€weighted MRI. Magnetic Resonance in Medicine, 2010, 64, 604-609.	1.9	29

#	Article	IF	Citations
145	Imaging of non-osteochondral tissues in osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 1590-1605.	0.6	29
146	Preliminary Validation of 2 Magnetic Resonance Image Scoring Systems for Osteoarthritis of the Hip According to the OMERACT Filter. Journal of Rheumatology, 2014, 41, 370-378.	1.0	29
147	Imaging atlas for eligibility and on-study safety of potential knee adverse events in anti-NGF studies (Part 1). Osteoarthritis and Cartilage, 2015, 23, S22-S42.	0.6	29
148	Reliability of MRI assessment of acute musculotendinous groin injuries in athletes. European Radiology, 2017, 27, 1486-1495.	2.3	29
149	Relationship of Trochlear Morphology and Patellofemoral Joint Alignment to Superolateral Hoffa Fat Pad Edema on MR Images in Individuals with or at Risk for Osteoarthritis of the Knee: The MOST Study. Radiology, 2017, 284, 806-814.	3.6	29
150	Patellofemoral morphology and alignment: reference values and doseâ€“response patterns for the relation to MRI features of patellofemoral osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, 1690-1697.	0.6	29
151	Intra-articular Corticosteroid Injections for the Treatment of Hip and Knee Osteoarthritis-related Pain: Considerations and Controversies with a Focus on Imagingâ€”‹Radiology‹/i› Scientific Expert Panel. Radiology, 2020, 297, 503-512.	3.6	29
152	Scrutinizing the cut-off for â€œpathologicalâ€•meniscal body extrusion on knee MRI. European Radiology, 2019, 29, 2616-2623.	2.3	28
153	Cyst-like lesions of the knee joint and their relation to incident knee pain and development of radiographic osteoarthritis: the MOST study. Osteoarthritis and Cartilage, 2010, 18, 1386-1392.	0.6	27
154	Sexâ€Specific Influence of Quadriceps Weakness on Worsening Patellofemoral and Tibiofemoral Cartilage Damage: A Prospective Cohort Study. Arthritis Care and Research, 2019, 71, 1360-1365.	1.5	27
155	Short tau inversion recovery and three-point Dixon water-fat separation sequences in acute traumatic bone fractures at open 0.35 tesla MRI. Skeletal Radiology, 2002, 31, 343-348.	1.2	26
156	The association between meniscal damage of the posterior horns and localized posterior synovitis detected on T1-weighted contrast-enhanced MRIâ€”The MOST study. Seminars in Arthritis and Rheumatism, 2013, 42, 573-581.	1.6	26
157	Methodologies for Semiquantitative Evaluation of Hip Osteoarthritis by Magnetic Resonance Imaging: Approaches Based on the Whole Organ and Focused on Active Lesions. Journal of Rheumatology, 2014, 41, 359-369.	1.0	26
158	Associations Between Clinical Evidence of Inflammation and Synovitis in Symptomatic Knee Osteoarthritis: A Crossâ€Sectional Substudy. Arthritis Care and Research, 2017, 69, 1340-1348.	1.5	26
159	Imaging-detected acute muscle injuries in athletes participating in the Rio de Janeiro 2016 Summer Olympic Games. British Journal of Sports Medicine, 2018, 52, 460-464.	3.1	26
160	Prevalent cartilage damage and cartilage loss over time are associated with incident bone marrow lesions in the tibiofemoral compartments: the MOST study. Osteoarthritis and Cartilage, 2013, 21, 306-313.	0.6	25
161	Dynamic impact force and association with structural damage to the knee joint: An ex-vivo study. Annals of Anatomy, 2014, 196, 456-463.	1.0	25
162	An update on risk factors for cartilage loss in knee osteoarthritis assessed using MRI-based semiquantitative grading methods. European Radiology, 2015, 25, 883-893.	2.3	25

#	Article	IF	Citations
163	Prediction of medial tibiofemoral compartment joint space loss progression using volumetric cartilage measurements: Data from the FNIH OA biomarkers consortium. European Radiology, 2017, 27, 464-473.	2.3	25
164	Diagnosis of Knee Meniscal Injuries by Using Three-dimensional MRI: A Systematic Review and Meta-Analysis of Diagnostic Performance. Radiology, 2019, 290, 435-445.	3.6	25
165	MRI-detected spinal disc degenerative changes in athletes participating in the Rio de Janeiro 2016 Summer Olympics games. BMC Musculoskeletal Disorders, 2020, 21, 45.	0.8	25
166	Multivariable Modeling of Biomarker Data From the Phase I Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium. Arthritis Care and Research, 2022, 74, 1142-1153.	1.5	25
167	Imaging in Osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 913-934.	0.6	25
168	Cruciate ligament injuries of the knee: A metaâ€analysis of the diagnostic performance of 3D MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 1545-1560.	1.9	24
169	Patterns of Coexisting Lesions Detected on Magnetic Resonance Imaging and Relationship to Incident Knee Osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology, 2015, 67, 3158-3165.	2.9	23
170	No Association between Daily Walking and Knee Structural Changes in People at Risk of or with Mild Knee Osteoarthritis. Prospective Data from the Multicenter Osteoarthritis Study. Journal of Rheumatology, 2015, 42, 1685-1693.	1.0	23
171	Imaging in Osteoarthritis. Radiologic Clinics of North America, 2017, 55, 1085-1102.	0.9	23
172	Association of Mucoid Degeneration of the Anterior Cruciate Ligament at MR Imaging with Medial Tibiofemoral Osteoarthritis Progression at Radiography: Data from the Osteoarthritis Initiative. Radiology, 2018, 287, 912-921.	3.6	23
173	Epidemiology of imaging-detected bone stress injuries in athletes participating in the Rio de Janeiro 2016 Summer Olympics. British Journal of Sports Medicine, 2018, 52, 470-474.	3.1	23
174	Molecular and Structural Biomarkers of Inflammation at Two Years After Acute Anterior Cruciate Ligament Injury Do Not Predict Structural Knee Osteoarthritis at Five Years. Arthritis and Rheumatology, 2019, 71, 238-243.	2.9	23
175	MRI of ankle sprain: the association between joint effusion and structural injury severity in a large cohort of athletes. European Radiology, 2019, 29, 6336-6344.	2.3	23
176	MRI-based Texture Analysis of Infrapatellar Fat Pad to Predict Knee Osteoarthritis Incidence. Radiology, 2022, 304, 611-621.	3.6	23
177	The relationship between prevalent medial meniscal intrasubstance signal changes and incident medial meniscal tears in women over a 1-year period assessed with 3.0ÂT MRI. Skeletal Radiology, 2011, 40, 1017-1023.	1.2	21
178	Anatomical distribution of areas of preserved cartilage in advanced femorotibial osteoarthritis using CT arthrography (Part 1). Osteoarthritis and Cartilage, 2015, 23, 83-87.	0.6	21
179	Long term use of analgesics and risk of osteoarthritis progressions and knee replacement: propensity score matched cohort analysis of data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2016, 24, 597-604.	0.6	21
180	Association Between Biochemical Markers of Bone Turnover and Bone Changes on Imaging: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2017, 69, 1179-1191.	1.5	21

#	Article	IF	Citations
181	Association of patella alta with worsening of patellofemoral osteoarthritis-related structural damage: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2019, 27, 278-285.	0.6	21
182	Cartilage loss in radiographically normal knees depends on radiographic status of the contralateral knee â€“ data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2019, 27, 273-277.	0.6	21
183	Are contrast-enhanced and non-contrast MRI findings reflecting synovial inflammation in knee osteoarthritis: a meta-analysis of observational studies. Osteoarthritis and Cartilage, 2020, 28, 126-136.	0.6	21
184	A quantitative metric for knee osteoarthritis: reference values of joint space loss. Osteoarthritis and Cartilage, 2018, 26, 1215-1224.	0.6	20
185	Assessment of the degree of abdominal myosteatosis by magnetic resonance imaging in subjects with diabetes, prediabetes and healthy controls from the general population. European Journal of Radiology, 2018, 105, 261-268.	1.2	20
186	Association of knee OA structural phenotypes to risk for progression: a secondary analysis from the Foundation for National Institutes of Health Osteoarthritis Biomarkers study (FNIH). Osteoarthritis and Cartilage, 2020, 28, 1220-1228.	0.6	20
187	Musculoskeletal ultrasound in rheumatology: A radiologic perspective. Arthritis and Rheumatism, 2005, 53, 491-493.	6.7	19
188	MRI-based volumetric assessment of joint effusion in knee osteoarthritis using proton density-weighted fat-suppressed and T1-weighted contrast-enhanced fat-suppressed sequences. Skeletal Radiology, 2011, 40, 1581-1585.	1.2	19
189	Osteoarthritis year 2012 in review: imaging. Osteoarthritis and Cartilage, 2012, 20, 1440-1446.	0.6	19
190	Thoracic injuries in professional rugby players: mechanisms of injury and imaging characteristics. British Journal of Sports Medicine, 2014, 48, 1097-1101.	3.1	19
191	The relationship between subchondral sclerosis detected with MRI and cartilage loss in a cohort of subjects with knee pain: the knee osteoarthritis progression (KOAP) study. Osteoarthritis and Cartilage, 2014, 22, 540-546.	0.6	19
192	Layer-specific femorotibial cartilage T2 relaxation time in knees with and without early knee osteoarthritis: Data from the Osteoarthritis Initiative (OAI). Scientific Reports, 2016, 6, 34202.	1.6	19
193	Comparison between semiquantitative and quantitative methods for the assessment of knee synovitis in osteoarthritis using non-enhanced and gadolinium-enhanced MRI. Osteoarthritis and Cartilage, 2017, 25, 267-271.	0.6	19
194	Role of Thigh Muscle Changes in Knee Osteoarthritis Outcomes: Osteoarthritis Initiative Data. Radiology, 2022, 305, 169-178.	3.6	19
195	MR Imaging of Intra- and Periarticular Soft Tissues and Subchondral Bone in Knee Osteoarthritis. Radiologic Clinics of North America, 2009, 47, 687-701.	0.9	18
196	The Health and Structural Consequences of Acute Knee Injuries Involving Rupture of the Anterior Cruciate Ligament. Rheumatic Disease Clinics of North America, 2013, 39, 107-122.	0.8	18
197	Prevalence of MRI-detected mediopatellar plica in subjects with knee pain and the association with MRI-detected patellofemoral cartilage damage and bone marrow lesions: data from the Joints On Glucosamine study. BMC Musculoskeletal Disorders, 2013, 14, 292.	0.8	18
198	Effect of Knee Extensor Strength on Incident Radiographic and Symptomatic Knee Osteoarthritis in Individuals With Meniscal Pathology: Data From the Multicenter Osteoarthritis Study. Arthritis Care and Research, 2016, 68, 1640-1646.	1.5	18

#	Article	IF	Citations
199	Meniscal body extrusion and cartilage coverage in middle-aged and elderly without radiographic knee osteoarthritis. European Radiology, 2019, 29, 1848-1854.	2.3	18
200	MRI of Osteoarthritis: The Challenges of Definition and Quantification. Seminars in Musculoskeletal Radiology, 2012, 16, 419-430.	0.4	17
201	What Effect Is Really Being Measured? An Alternative Explanation of Paradoxical Phenomena in Studies of Osteoarthritis Progression. Arthritis Care and Research, 2014, 66, 658-661.	1.5	17
202	Comparison in knee osteoarthritis joint damage patterns among individuals with an intact, complete and partial anterior cruciate ligament rupture. International Journal of Rheumatic Diseases, 2017, 20, 1361-1371.	0.9	17
203	Relation of meniscus pathology to prevalence and worsening of patellofemoral joint osteoarthritis: the Multicenter Osteoarthritis Study. Osteoarthritis and Cartilage, 2018, 26, 912-919.	0.6	17
204	Diagnostic Accuracy of an MRI Protocol of the Knee Accelerated Through Parallel Imaging in Correlation to Arthroscopy. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 265-272.	0.7	17
205	Imaging of Osteoarthritis by Conventional Radiography, MR Imaging, PETâ€“Computed Tomography, and PETâ€“MR Imaging. PET Clinics, 2019, 14, 17-29.	1.5	17
206	Invasive aspergillosis osteomyelitis in childrenâ€”a case report and review of the literature. Skeletal Radiology, 2010, 39, 827-831.	1.2	16
207	Choice of pulse sequences for magnetic resonance imagingâ€“based semiquantitative assessment of cartilage defects in osteoarthritis research: Comment on the article by DorÃ© et al. Arthritis and Rheumatism, 2010, 62, 3830-3831.	6.7	16
208	Osteoarthritis year 2011 in review: imaging in OA â€“ a radiologistsâ€™ perspective. Osteoarthritis and Cartilage, 2012, 20, 207-214.	0.6	16
209	The diagnostic performance of radiography for detection of osteoarthritis-associated features compared with MRI in hip joints with chronic pain. Skeletal Radiology, 2013, 42, 1421-1428.	1.2	16
210	Delayed Gadoliniumâ€Enhanced Magnetic Resonance Imaging of Medial Tibiofemoral Cartilage and Its Relationship With Meniscal Pathology: A Longitudinal Study Using 3.0T Magnetic Resonance Imaging. Arthritis and Rheumatology, 2014, 66, 1517-1524.	2.9	16
211	Susceptibility artifacts detected on 3T MRI of the knee: frequency, change over time and associations with radiographic findings: data from the Joints on Glucosamine Study. Osteoarthritis and Cartilage, 2014, 22, 1499-1503.	0.6	16
212	High Kellgren-Lawrence Grade and Bone Marrow Lesions Predict Worsening Rates of Radiographic Joint Space Narrowing; The SEKOIA Study. Journal of Rheumatology, 2016, 43, 657-665.	1.0	16
213	Differences in tibial subchondral bone structure evaluated using plain radiographs between knees with and without cartilage damage or bone marrow lesions - the Oulu Knee Osteoarthritis study. European Radiology, 2017, 27, 4874-4882.	2.3	16
214	From Early Radiographic Knee Osteoarthritis to Joint Arthroplasty: Determinants of Structural Progression and Symptoms. Arthritis Care and Research, 2018, 70, 1778-1786.	1.5	16
215	The epidemiology of MRI detected shoulder injuries in athletes participating in the Rio de Janeiro 2016 Summer Olympics. BMC Musculoskeletal Disorders, 2018, 19, 296.	0.8	16
216	Diagnosis of acute fractures of the extremities: comparison of low-field MRI and conventional radiography. European Radiology, 2004, 14, 625-630.	2.3	15

#	Article	IF	Citations
217	MR Imaging-Based Semiquantitative Assessment in Osteoarthritis. Radiologic Clinics of North America, 2009, 47, 633-654.	0.9	15
218	Comment on: Bone marrow lesions in people with knee osteoarthritis predict progression of disease and joint replacement: a longitudinal study. Rheumatology, 2011, 50, 996-997.	0.9	15
219	Osteoarthritis Year in Review 2014: imaging. Osteoarthritis and Cartilage, 2014, 22, 2003-2012.	0.6	15
220	Editorial: from theory to practice â€“ the challenges of compositional MRI in osteoarthritis research. Osteoarthritis and Cartilage, 2017, 25, 1923-1925.	0.6	15
221	Tibial tuberosity to trochlear groove distance and its association with patellofemoral osteoarthritis-related structural damage worsening: data from the osteoarthritis initiative. European Radiology, 2018, 28, 4669-4680.	2.3	15
222	Evaluation of spine MRIs in athletes participating in the Rio de Janeiro 2016 Summer Olympic Games. BMJ Open Sport and Exercise Medicine, 2018, 4, e000335.	1.4	15
223	The association of frontal plane alignment to MRI-defined worsening of patellofemoral osteoarthritis: the MOST study. Osteoarthritis and Cartilage, 2019, 27, 459-467.	0.6	15
224	Step Rate and Worsening of Patellofemoral and Tibiofemoral Joint Osteoarthritis in Women and Men: The Multicenter Osteoarthritis Study. Arthritis Care and Research, 2020, 72, 107-113.	1.5	15
225	Patellofemoral morphology measurements and their associations with tibiofemoral osteoarthritis-related structural damage: exploratory analysis on the osteoarthritis initiative. European Radiology, 2020, 30, 128-140.	2.3	15
226	Using Fat-Saturated Proton Densityâ€“Weighted MR Imaging to Evaluate Articular Cartilage. American Journal of Roentgenology, 2003, 181, 280-282.	1.0	15
227	The association between erosive hand osteoarthritis and subchondral bone attrition of the knee: the Framingham Osteoarthritis Study. Annals of the Rheumatic Diseases, 2012, 71, 1698-1701.	0.5	14
228	Reliability of semiquantitative assessment of osteophytes and subchondral cysts on tomosynthesis images by radiologists with different levels of expertise. Diagnostic and Interventional Radiology, 2014, 20, 353-359.	0.7	14
229	Can a Clinical Examination Demonstrate Intramuscular Tendon Involvement in Acute Hamstring Injuries?. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711773343.	0.8	14
230	A narrative overview of the current status of MRI of the hip and its relevance for osteoarthritis research â€“ what we know, what has changed and where are we going?. Osteoarthritis and Cartilage, 2017, 25, 1-13.	0.6	14
231	Meniscal Surgery: Risk of Radiographic Joint Space Narrowing Progression and Subsequent Knee Replacementâ€”Data from the Osteoarthritis Initiative. Radiology, 2017, 282, 807-816.	3.6	14
232	Inter- and intra-observer variability of an anatomical landmark-based, manual segmentation method by MRI for the assessment of skeletal muscle fat content and area in subjects from the general population. British Journal of Radiology, 2018, 91, 20180019.	1.0	14
233	Mitochondrial DNA haplogroups associated with MRI-detected structural damage in early knee osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 1562-1569.	0.6	14
234	Sports injuries at the Rio de Janeiro 2016 Summer Paralympic Games: use of diagnostic imaging services. European Radiology, 2021, 31, 6768-6779.	2.3	14

#	Article	IF	Citations
235	Distribution patterns of intramyocellular and extramyocellular fat by magnetic resonance imaging in subjects with diabetes, prediabetes and normoglycaemic controls. Diabetes, Obesity and Metabolism, 2021, 23, 1868-1878.	2.2	14
236	Recent advances in research imaging of osteoarthritis with focus on MRI, ultrasound and hybrid imaging. Clinical and Experimental Rheumatology, 2018, 36 Suppl 114, 43-52.	0.4	14
237	Heterogeneity of cartilage damage in Kellgren and Lawrence grade 2 and 3 knees: the MOST study. Osteoarthritis and Cartilage, 2022, 30, 714-723.	0.6	14
238	Advanced neural networks for classification of MRI in psoriatic arthritis, seronegative, and seropositive rheumatoid arthritis. Rheumatology, 2022, 61, 4945-4951.	0.9	14
239	Semiquantitative assessment of synovitis in osteoarthritis on non contrast-enhanced MRI. Osteoarthritis and Cartilage, 2009, 17, 820-821.	0.6	13
240	Magnetic Resonance Imaging Assessment of Subchondral Bone and Soft Tissues in Knee Osteoarthritis. Rheumatic Disease Clinics of North America, 2009, 35, 557-577.	0.8	13
241	Magnetic Resonance Imaging in Knee Osteoarthritis Research: Semiquantitative and Compositional Assessment. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 295-321.	0.6	13
242	Superolateral Hoffaâ€™s fat pad (SHFP) oedema and patellar cartilage volume loss: quantitative analysis using longitudinal data from the Foundation for the National Institute of Health (FNIH) Osteoarthritis Biomarkers Consortium. European Radiology, 2018, 28, 4134-4145.	2.3	13
243	Bisphosphonates intake and its association with changes of periarticular bone area and three-dimensional shape: data from the Osteoarthritis Initiative (OAI). Osteoarthritis and Cartilage, 2018, 26, 564-568.	0.6	13
244	Is synovitis detected on non-contrast-enhanced magnetic resonance imaging associated with serum biomarkers and clinical signs of effusion? Data from the Osteoarthritis Initiative. Scandinavian Journal of Rheumatology, 2018, 47, 235-242.	0.6	13
245	Radiographically normal knees with contralateral joint space narrowing display greater change in cartilage transverse relaxation time than those with normal contralateral knees: a model of early OA? â€“ data from the Osteoarthritis Initiative (OAI). Osteoarthritis and Cartilage, 2019, 27, 1663-1668.	0.6	13
246	Associations Between Initial Clinical Examination and Imaging Findings and Return-to-Sport in Male Athletes With Acute Adductor Injuries: A Prospective Cohort Study. American Journal of Sports Medicine, 2020, 48, 1151-1159.	1.9	13
247	Imaging atlas for eligibility and on-study safety of potential hip adverse events in anti-NGF studies (Part 2). Osteoarthritis and Cartilage, 2015, 23, S43-S58.	0.6	12
248	Development of an imaging mitigation strategy for patient enrolment in the tanezumab nerve growth factor inhibitor (NGF-ab) program with a focus on eligibility assessment. Seminars in Arthritis and Rheumatism, 2017, 47, 323-330.	1.6	12
249	Comprehensive assessment of knee joint synovitis at 7â€‰T MRI using contrast-enhanced and non-enhanced sequences. BMC Musculoskeletal Disorders, 2020, 21, 116.	0.8	12
250	FDA/Arthritis Foundation osteoarthritis drug development workshop recap: Assessment of long-term benefit. Seminars in Arthritis and Rheumatism, 2022, 56, 152070.	1.6	12
251	The anisotropic nature of the human vocal fold: an ex vivo study. European Archives of Oto-Rhino-Laryngology, 2013, 270, 1885-1895.	0.8	11
252	Is superolateral Hoffa's fat pad hyperintensity a marker of local patellofemoral joint disease? â€“ The MOST study. Osteoarthritis and Cartilage, 2017, 25, 1459-1467.	0.6	11

#	Article	IF	Citations
253	Is the atrophic phenotype of tibiofemoral osteoarthritis associated with faster progression of disease? The MOST study. Osteoarthritis and Cartilage, 2017, 25, 1647-1653.	0.6	11
254	Epidemiology of imaging-detected tendon abnormalities in athletes participating in the Rio de Janeiro 2016 Summer Olympics. British Journal of Sports Medicine, 2018, 52, 465-469.	3.1	11
255	Conventional MRI-based subchondral trabecular biomarkers as predictors of knee osteoarthritis progression: data from the Osteoarthritis Initiative. European Radiology, 2021, 31, 3564-3573.	2.3	11
256	Development of MRI-defined Structural Tissue Damage after Anterior Cruciate Ligament Injury over 5 Years: The KANON Study. Radiology, 2021, 299, 383-393.	3.6	11
257	Percutaneous treatment of a ruptured superior mesenteric artery aneurysm in a child. Pediatric Radiology, 2006, 36, 268-271.	1.1	10
258	373 MRI-DETECTED BONE MARROW EDEMA-LIKE LESIONS ARE STRONGLY ASSOCIATED WITH SUBCHONDRAL CYSTS IN PATIENTS WITH OR AT RISK FOR KNEE OSTEOARTHRITIS: THE MOST STUDY. Osteoarthritis and Cartilage, 2008, 16, S160.	0.6	10
259	Magnetic resonance imaging (MRI)-defined cartilage degeneration and joint pain are associated with poor physical function in knee osteoarthritis â€“ the Oulu Knee Osteoarthritis study. Osteoarthritis and Cartilage, 2017, 25, 1829-1840.	0.6	10
260	New imaging modalities to predict and evaluate osteoarthritis progression. Best Practice and Research in Clinical Rheumatology, 2017, 31, 688-704.	1.4	10
261	MRI-Detected Sports-Related Knee Injuries and Abnormalities at the Rio de Janeiro 2016 Summer Olympic Games. American Journal of Roentgenology, 2018, 211, 880-886.	1.0	10
262	Evaluating the structural effects of intra-articular sprifermin on cartilage and non-cartilaginous tissue alterations, based on sqMRI assessment over 2Âyears. Osteoarthritis and Cartilage, 2020, 28, 1229-1234.	0.6	10
263	Association of baseline and change in tibial and femoral cartilage thickness and development of widespread full-thickness cartilage loss in knee osteoarthritis â€“ data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2020, 28, 811-818.	0.6	10
264	Phenylalanine Is a Novel Marker for Radiographic Knee Osteoarthritis Progression: The MOST Study. Journal of Rheumatology, 2021, 48, 123-128.	1.0	10
265	Presence of Magnetic Resonance Imagingâ€“Defined Inflammation Particularly in Overweight and Obese Women Increases Risk of Radiographic Knee Osteoarthritis: The POMA Study. Arthritis Care and Research, 2022, 74, 1391-1398.	1.5	10
266	MDCT Arthrography Features of Ulnocarpal Impaction Syndrome. American Journal of Roentgenology, 2009, 193, 1376-1381.	1.0	9
267	Hoffa-synovitis and effusion-synovitis are associated with knees undergoing total knee replacement: data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2012, 20, S235-S236.	0.6	9
268	Knee joint subchondral bone structure alterations in active athletes: a cross-sectional caseâ€“control study. Osteoarthritis and Cartilage, 2015, 23, 2184-2190.	0.6	9
269	Magnetic resonance cinematography of the fingers: a 3.0 Tesla feasibility study with comparison of incremental and continuous dynamic protocols. Skeletal Radiology, 2017, 46, 1721-1728.	1.2	9
270	Prevalence of MRI-Detected Ankle Injuries in Athletes in the Rio de Janeiro 2016 Summer Olympics. Academic Radiology, 2019, 26, 1605-1617.	1.3	9

#	Article	IF	Citations
271	Diagnostic performance of knee physical exam and participant-reported symptoms for MRI-detected effusion-synovitis among participants with early or late stage knee osteoarthritis: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2019, 27, 80-89.	0.6	9
272	Relevant traumatic injury of the knee jointâ€"MRI follow-up after 7â€"10 years. European Journal of Radiology, 2009, 72, 473-479.	1.2	8
273	Elbow Injuries Detected on Magnetic Resonance Imaging in Athletes Participating in the Rio de Janeiro 2016 Summer Olympic Games. Journal of Computer Assisted Tomography, 2019, 43, 981-985.	0.5	8
274	Lateral patellar tilt and its longitudinal association with patellofemoral osteoarthritis-related structural damage: Analysis of the osteoarthritis initiative data. Knee, 2020, 27, 1971-1979.	0.8	8
275	Weight-bearing CT for Knee Osteoarthritis Assessment: A Story Unfolds. Radiology, 2021, 299, 660-661.	3.6	8
276	Populationâ€based cohort imaging: skeletal muscle mass by magnetic resonance imaging in correlation to bioelectricalâ€impedance analysis. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 976-986.	2.9	8
277	Value of micro-CT as an investigative tool for osteochondritis dissecans: A preliminary study with comparison to histology. Acta Radiologica, 2003, 44, 532-537.	0.5	7
278	Loss of anterior cruciate ligament integrity and the development of radiographic knee osteoarthritis: a sub-study of the osteoarthritis initiative. Osteoarthritis and Cartilage, 2015, 23, 882-887.	0.6	7
279	Brief report: symmetricity of radiographic and MRI-detected structural joint damage in persons with knee pain â€" the Joints on Glucosamine (JOG) Study. Osteoarthritis and Cartilage, 2015, 23, 1343-1347.	0.6	7
280	Compositional Magnetic Resonance Imaging Measures of Cartilage â€" Endpoints for Clinical Trials of Disease-modifying Osteoarthritis Drugs?. Journal of Rheumatology, 2016, 43, 7-11.	1.0	7
281	Molecular and imaging biomarkers of local inflammation at 2 years after anterior cruciate ligament injury do not associate with patient reported outcomes at 5 years. Osteoarthritis and Cartilage, 2020, 28, 356-362.	0.6	7
282	Magnetic Resonance Imagingâ€"Defined Osteoarthritis Features and Anterior Knee Pain in Individuals With, or at Risk for, Knee Osteoarthritis: A Multicenter Study on Osteoarthritis. Arthritis Care and Research, 2022, 74, 1533-1540.	1.5	7
283	387 PERIPATELLAR SYNOVITIS IN OSTEOARTHRITIS: COMPARISON OF NON-ENHANCED AND ENHANCED MAGNETIC RESONANCE IMAGING (MRI) AND ITS ASSOCIATION WITH PERIPATELLAR KNEE PAIN. THE MOST STUDY. Osteoarthritis and Cartilage, 2008, 16, S167.	0.6	6
284	MR arthrography of the shoulder: Optimizing pulse sequence protocols for the evaluation of cartilage and labrum. European Journal of Radiology, 2014, 83, 1421-1428.	1.2	6
285	The reliability of a novel magnetic resonance imaging-based tool for the evaluation of forefoot bursae in patients with rheumatoid arthritis: the FFB score. Rheumatology, 2014, 53, 2014-2017.	0.9	6
286	Imaging atlas for eligibility and on-study safety of potential shoulder adverse events in anti-NGF studies (Part 3). Osteoarthritis and Cartilage, 2015, 23, S59-S68.	0.6	6
287	What is the role of 3â€...T MRI in sports medicine? Revisiting the marriage after the honeymoon. British Journal of Sports Medicine, 2016, 50, 894-895.	3.1	6
288	Which Is Better for Characterizing Disease Activity in Axial Spondyloarthritis: Diffusion MRI or T2-weighted/STIR MRI?. Radiology, 2019, 291, 129-130.	3.6	6

#	Article	IF	Citations
289	Statin use and MRI subchondral bone marrow lesion worsening in generalized osteoarthritis: longitudinal analysis from Osteoarthritis Initiative data. European Radiology, 2022, 32, 3944-3953.	2.3	6
290	Magnetic resonance imaging assessment of knee osteoarthritis: current and developing new concepts and techniques. Clinical and Experimental Rheumatology, 2019, 37 Suppl 120, 88-95.	0.4	6
291	Value Of Micro-Ct As An Investigative Tool For Osteochondritis Dissecans. A preliminary study with comparison to histology. Acta Radiologica, 2003, 44, 532-537.	0.5	5
292	402 WHOLE-KNEE SYNOVITIS SEMIQUANTITATIVELY ASSESSED ON T1-WEIGHTED CONTRAST-ENHANCED MRI IS ASSOCIATED WITH RADIOGRAPHIC TIBIOFEMORAL OSTEOARTHRITIS AND SEVERE MENISCAL DAMAGE: THE MOST STUDY. Osteoarthritis and Cartilage, 2009, 17, S211-S212.	0.6	5
293	Phenotypic characterization of skeletal abnormalities of Osteopotentia mutant mice by micro-CT: a descriptive approach with emphasis on reconstruction techniques. Skeletal Radiology, 2011, 40, 1073-1078.	1.2	5
294	Compositional MRI assessment of cartilage: what is it and what is its potential for sports medicine?. British Journal of Sports Medicine, 2016, 50, 896-897.	3.1	5
295	Brief Report: Association of Quantitative and Topographic Assessment of Heberden's Nodes With Knee Osteoarthritis: Data From the Osteoarthritis Initiative. Arthritis and Rheumatology, 2018, 70, 1234-1239.	2.9	5
296	Fractures associated with ACL injury need to be taken seriously. British Journal of Sports Medicine, 2018, 52, 6-7.	3.1	5
297	The epidemiology of MRI-detected pelvic injuries in athletes in the Rio de Janeiro 2016 Summer Olympics. European Journal of Radiology, 2018, 105, 56-64.	1.2	5
298	Imaging of OA â€“ From disease modification to clinical utility. Best Practice and Research in Clinical Rheumatology, 2020, 34, 101588.	1.4	5
299	Association between Patellofemoral and medial Tibiofemoral compartment osteoarthritis progression: exploring the effect of body weight using longitudinal data from osteoarthritis initiative (OAI). Skeletal Radiology, 2021, 50, 1845-1854.	1.2	5
300	MRI of Finger Pulleys at 7Tâ€"Direct Characterization of Pulley Ruptures in an Ex Vivo Model. Diagnostics, 2021, 11, 1206.	1.3	5
301	Imaging Review of Subscapularis Tendon and Rotator Interval Pathology. Radiology Research and Practice, 2022, 2022, 1-9.	0.6	5
302	Patterns of progression differ between Kellgren-Lawrence 2 and 3 knees fulfilling different definitions of a cartilage-meniscus phenotype in the Foundation for National Institutes of Health Osteoarthritis Biomarkers study (FNIH). Osteoarthritis and Cartilage Open, 2022, 4, 100284.	0.9	5
303	306 PERIARTICULAR CYSTS AND THEIR RELATION TO SYMPTOMS IN OSTEOARTHRITIS. THE MOST STUDY. Osteoarthritis and Cartilage, 2007, 15, C170-C171.	0.6	4
304	Imaging of Osteoarthritis. , 2013, , 93-121.		4
305	OP0270â€...The association of delayed gadolinium-enhanced MRI of cartilage (DGEMRIC) and cartilage morphometry in a sample of middle-aged women: A 2-year follow-up MRI study. Annals of the Rheumatic Diseases, 2013, 71, 147.3-148.	0.5	4
306	Multi-dimensional reliability assessment of fractal signature analysis in an outpatient sports medicine population. Annals of Anatomy, 2015, 202, 57-60.	1.0	4

#	Article	IF	Citations
307	Imaging atlas for eligibility and on-study safety of potential joint adverse events in anti-NGF studies. Osteoarthritis and Cartilage, 2015, 23, S1-S2.	0.6	4
308	Frequencies of MRI-detected structural pathology in knees without radiographic OA and worsening over three years: How relevant is contralateral radiographic osteoarthritis?. Osteoarthritis and Cartilage Open, 2020, 1, 100014.	0.9	4
309	Cross-sectional and longitudinal reliability of semiquantitative osteoarthritis assessment at 1.0T extremity MRI: Multi-reader data from the MOST study. Osteoarthritis and Cartilage Open, 2021, 3, 100214.	0.9	4
310	Knee cartilage damage and concomitant internal derangement on MRI in athletes competing at the Rio de Janeiro 2016 Summer Olympics. European Journal of Radiology Open, 2020, 7, 100258.	0.7	4
311	Longitudinal Change in Knee Cartilage Thickness and Function in Subjects with and without MRI-Diagnosed Cartilage Damage. Cartilage, 2021, 13, 685S-693S.	1.4	4
312	Unusual Manifestation of Small-Vessel Vasculitis. American Journal of Roentgenology, 2006, 186, 586-587.	1.0	4
313	12 IDENTIFICATION OF MRI MORPHOLOGIC FEATURES ASSOCIATED WITH DIFFERENT KNEE PAIN PATTERNS. Osteoarthritis and Cartilage, 2011, 19, S12-S13.	0.6	3
314	OP0153â€...Subchondral Bone Marrow Lesions Predict Incident Radiographic Osteoarthritis. Annals of the Rheumatic Diseases, 2013, 72, A104.1-A104.	0.5	3
315	Baseline structural tissue pathology is not strongly associated with longitudinal change in transverse relaxation time (T2) in knees without osteoarthritis. European Journal of Radiology, 2019, 118, 161-168.	1.2	3
316	Imaging of Common Rheumatic Joint Diseases Affecting the Upper Limbs. Radiologic Clinics of North America, 2019, 57, 1001-1034.	0.9	3
317	Standardized multi-vendor compositional MRI of knee cartilage: a key step towards clinical translation?. Osteoarthritis and Cartilage, 2020, 28, 1497-1500.	0.6	3
318	Psychological and Pain Sensitization Characteristics Are Associated With Patellofemoral Osteoarthritis Symptoms: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2020, 47, 1696-1703.	1.0	3
319	Kneeling as a risk factor of patellofemoral joint cartilage damage worsening: an exploratory analysis on the Osteoarthritis Initiative. European Radiology, 2021, 31, 2601-2609.	2.3	3
320	Magnetic Resonance Imagingâ€“Defined Osteophyte Presence and Concomitant Cartilage Damage in Knees With Incident Tibiofemoral Osteoarthritis: Data From the Pivotal Osteoarthritis Initiative Magnetic Resonance Imaging Analyses Study. Arthritis Care and Research, 2022, 74, 1513-1519.	1.5	3
321	MRI-Detected Knee Ligament Sprains and Associated Internal Derangement in Athletes Competing at the Rio de Janeiro 2016 Summer Olympics. Open Access Journal of Sports Medicine, 2021, Volume 12, 23-32.	0.6	3
322	How to effectively utilize imaging in disease-modifying treatments for osteoarthritis clinical trials: the radiologistâ€™s perspective. Expert Review of Molecular Diagnostics, 2021, 21, 673-684.	1.5	3
323	Is meniscal status in the anterior cruciate ligament injured knee associated with change in bone surface area? An exploratory analysis of the KANON trial. Osteoarthritis and Cartilage, 2021, 29, 841-848.	0.6	3
324	Frequency of MRI-detected peripheral osteoarthritis in athletes during the Summer Olympics in Rio 2016. Osteoarthritis and Cartilage Open, 2021, 3, 100199.	0.9	3

#	Article	IF	Citations
325	Association of markers of patellofemoral maltracking to cartilage damage and bone marrow lesions on MRI: Data from the 2016 Olympic Games of Rio De Janeiro. European Journal of Radiology Open, 2021, 8, 100381.	0.7	3
326	The international skeletal society outreach programme in Tunisia 2011. Skeletal Radiology, 2012, 41, 1343-1345.	1.2	2
327	Heberden's Nodes and Knee Osteoarthritisâ€"Related Osseous Structural Damage: Exploratory Study From the Osteoarthritis Initiative. Arthritis and Rheumatology, 2019, 71, 935-940.	2.9	2
328	Is Laminar Cartilage Composition as Determined by T2 Relaxometry Associated with Incident and Worsening of Cartilage or Bone Marrow Abnormalities?. Cartilage, 2020, , 194760352093219.	1.4	2
329	Association between radiographic anterior cruciate ligament tear and joint symptoms: Data from the osteoarthritis initiative. International Journal of Rheumatic Diseases, 2020, 23, 576-581.	0.9	2
330	Bone Structure Analysis of the Radius Using Ultrahigh Field (7T) MRI: Relevance of Technical Parameters and Comparison with 3T MRI and Radiography. Diagnostics, 2021, 11, 110.	1.3	2
331	Wrist injuries detected on magnetic resonance imaging in athletes participating in the Rio de Janeiro 2016 Summer Olympic Games. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3244-3251.	1.1	2
332	Conventional MRI-derived subchondral trabecular biomarkers and their association with knee cartilage volume loss as early as 1Âyear: a longitudinal analysis from Osteoarthritis Initiative. Skeletal Radiology, 2022, 51, 1959-1966.	1.2	2
333	401 A NOVEL SEMIQUANTITATIVE WHOLE-KNEE SCORING SYSTEM FOR THE ASSESSMENT OF SYNOVITIS IN KNEE OA ON CONTRAST-ENHANCED MRI â€" THE MOST STUDY. Osteoarthritis and Cartilage, 2008, 16, S174-S175.	0.6	1
334	009 THE ASSOCIATION OF PREVALENT CARTILAGE DAMAGE AND CARTILAGE LOSS OVER TIME WITH INCIDENT BONE MARROWEDEMA-LIKE LESIONS AT THE TIBIOFEMORAL COMPARTMENTS: THE MOST STUDY. Osteoarthritis and Cartilage, 2010, 18, S12-S13.	0.6	1
335	399 FACTORS ASSOCIATED WITH PREVALENT MAGNETIC RESONANCE IMAGING (MRI)-DETECTED MENISCAL EXTRUSION IN PERSONS WITH OR AT RISK FOR KNEE OSTEOARTHRITIS: THE MOST STUDY. Osteoarthritis and Cartilage, 2010, 18, S175-S176.	0.6	1
336	Medial meniscal pathology increases risk of incident radiographic osteoarthritis: a matched case-control study from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2013, 21, S175-S176.	0.6	1
337	Response to: â€˜Synovitis in knee osteoarthritis: a precursor or concomitant feature?â€™ by Zenget al. Annals of the Rheumatic Diseases, 2015, 74, e59-e59.	0.5	1
338	Corrigendum to â€œOARSI Clinical Trials Recommendations: Knee imaging in clinical trials in osteoarthritisâ€•[Osteoarthritis Cartilage (2015) 698â€"715]. Osteoarthritis and Cartilage, 2015, 23, 1434-1435.	0.6	1
339	Quantification of change in vocal fold tissue stiffness relative to depth of artificial damage. Logopedics Phoniatrics Vocology, 2017, 42, 108-117.	0.5	1
340	Biochemical cartilage changes based on MRI-defined T2 relaxation times do not equal OA detection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2023833118.	3.3	1
341	Relation of <scp>MRIâ€Detected</scp> Features of Patellofemoral Osteoarthritis to Pain, <scp>Performanceâ€Based</scp> Function, and Daily Walking: The Multicenter Osteoarthritis Study. ACR Open Rheumatology, 2022, 4, 161-167.	0.9	1
342	Editorial Commentary: Arthroscopic Partial Meniscectomy Outcomes Are Worse in Patients With Concomitant Pathology. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2022, 38, 945-947.	1.3	1

#	Article	IF	Citations
343	OP0034â€…The association between radiographic hand osteoarthritis and meniscal damage on MRI in the general population:. Annals of the Rheumatic Diseases, 2013, 71, 64.2-64.	0.5	0
344	Assessing joint damage in osteoarthritis. , 2014, , 69-82.		0
345	THU0195â€…Semiquantitatively Assessed Bone Marrow Lesions, Cartilage Damage, Meniscal Damage and Extrusion PREDICT Quantitatively Measured Cartilage Thickness Loss in the Same Femorotibial Compartment: the Most Study. Annals of the Rheumatic Diseases, 2014, 73, 249.1-249.	0.5	0
346	Reply. Arthritis and Rheumatology, 2016, 68, 1791-1792.	2.9	0
347	Reply to the letter: Long term use of analgesics and risk of osteoarthritis progressions and knee replacement. Osteoarthritis and Cartilage, 2017, 25, e3-e4.	0.6	0
348	Reply. Arthritis and Rheumatology, 2019, 71, 1588-1588.	2.9	0
349	Dynamic contrast-enhanced MRI for assessment of subchondral bone marrow vascularization in an experimental osteoarthritis model: a major step towards clinical translation?. Osteoarthritis and Cartilage, 2021, 29, 603-606.	0.6	0
350	Beyond the Sacro-Iliac Joints: Vertebral Involvement in Axial Spondylarthritis. European Journal of Radiology, 2021, 144, 109982.	1.2	0
351	Scanned versus Fused-Reconstructed Oblique MR-Images for Assessment of the Tibiofibular Syndesmosisâ€”Diagnostic PerFormance and Reader Agreement. Diagnostics, 2021, 11, 197.	1.3	0
352	Editorial: Welcome!. Osteoarthritis Imaging, 2021, 1, 100002.	0.3	0
353	Does Baseline Cartilage T2 Predict Incident and Worsening of Structural Morphological Damage of the Radiographically Normal Knee Joint Over 3 Years?. , 2020, 24, .		0
354	Update: Posttreatment Imaging of the Knee after Cartilage Repair. Seminars in Musculoskeletal Radiology, 2022, 26, 216-229.	0.4	0