

Ali Guermazi

List of Publications by Year in descending order

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Version: 2024-02-01

374
papers

19,644
citations

12330

69
h-index

17105

122
g-index

379
all docs

379
docs citations

379
times ranked

11130
citing authors

#	ARTICLE	IF	CITATIONS
1	Incidental Meniscal Findings on Knee MRI in Middle-Aged and Elderly Persons. New England Journal of Medicine, 2008, 359, 1108-1115.	27.0	749
2	Effects of Intensive Diet and Exercise on Knee Joint Loads, Inflammation, and Clinical Outcomes Among Overweight and Obese Adults With Knee Osteoarthritis. JAMA - Journal of the American Medical Association, 2013, 310, 1263.	7.4	607
3	Surgery versus Physical Therapy for a Meniscal Tear and Osteoarthritis. New England Journal of Medicine, 2013, 368, 1675-1684.	27.0	515
4	Synovitis detected on magnetic resonance imaging and its relation to pain and cartilage loss in knee osteoarthritis. Annals of the Rheumatic Diseases, 2007, 66, 1599-1603.	0.9	426
5	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
6	Articular Cartilage in the Knee: Current MR Imaging Techniques and Applications in Clinical Practice and Research<sup />. Radiographics, 2011, 31, 37-61.	3.3	388
7	Increase in bone marrow lesions associated with cartilage loss: A longitudinal magnetic resonance imaging study of knee osteoarthritis. Arthritis and Rheumatism, 2006, 54, 1529-1535.	6.7	372
8	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.	6.0	371
9	Meniscal tear in knees without surgery and the development of radiographic osteoarthritis among middle-aged and elderly persons: The multicenter osteoarthritis study. Arthritis and Rheumatism, 2009, 60, 831-839.	6.7	341
10	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.	0.9	289
11	Meniscus pathology, osteoarthritis and the treatment controversy. Nature Reviews Rheumatology, 2012, 8, 412-419.	8.0	283
12	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
13	Facet Joint Osteoarthritis and Low Back Pain in the Community-Based Population. Spine, 2008, 33, 2560-2565.	2.0	265
14	Relationship of meniscal damage, meniscal extrusion, malalignment, and joint laxity to subsequent cartilage loss in osteoarthritic knees. Arthritis and Rheumatism, 2008, 58, 1716-1726.	6.7	243
15	Quadriceps strength and the risk of cartilage loss and symptom progression in knee osteoarthritis. Arthritis and Rheumatism, 2009, 60, 189-198.	6.7	240
16	Effect of Intra-Articular Sprifermin vs Placebo on Femorotibial Joint Cartilage Thickness in Patients With Osteoarthritis. JAMA - Journal of the American Medical Association, 2019, 322, 1360.	7.4	221
17	Intraarticular Sprifermin (Recombinant Human Fibroblast Growth Factor 18) in Knee Osteoarthritis: A Randomized, Double-blind, Placebo-controlled Trial. Arthritis and Rheumatology, 2014, 66, 1820-1831.	5.6	220
18	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

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19	Fixed-flexion radiography of the knee provides reproducible joint space width measurements in osteoarthritis. <i>European Radiology</i> , 2004, 14, 1568-1573.	4.5	198
20	External knee adduction and flexion moments during gait and medial tibiofemoral disease progression in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1099-1106.	1.3	197
21	The relationship between cartilage loss on magnetic resonance imaging and radiographic progression in men and women with knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2005, 52, 3152-3159.	6.7	190
22	The Role of the Meniscus in Knee Osteoarthritis: a Cause or Consequence?. <i>Radiologic Clinics of North America</i> , 2009, 47, 703-712.	1.8	188
23	Compositional MRI techniques for evaluation of cartilage degeneration in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1639-1653.	1.3	186
24	Intra-articular Corticosteroid Injections in the Hip and Knee: Perhaps Not as Safe as We Thought?. <i>Radiology</i> , 2019, 293, 656-663.	7.3	186
25	Advances in Imaging of Osteoarthritis and Cartilage. <i>Radiology</i> , 2011, 260, 332-354.	7.3	182
26	Tibiofemoral Joint Osteoarthritis: Risk Factors for MR-depicted Fast Cartilage Loss over a 30-month Period in the Multicenter Osteoarthritis Study. <i>Radiology</i> , 2009, 252, 772-780.	7.3	176
27	Synovitis and the risk of knee osteoarthritis: the MOST Study. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 458-464.	1.3	172
28	Factors Associated with Meniscal Extrusion in Knees with or at Risk for Osteoarthritis: The Multicenter Osteoarthritis Study. <i>Radiology</i> , 2012, 264, 494-503.	7.3	169
29	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. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 805-811.	0.9	164
30	The role of varus and valgus alignment in the initial development of knee cartilage damage by MRI: the MOST study. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 235-240.	0.9	164
31	Computed tomographyâ€‘evaluated features of spinal degeneration: prevalence, intercorrelation, and association with self-reported low back pain. <i>Spine Journal</i> , 2010, 10, 200-208.	1.3	153
32	Early Knee Osteoarthritis Is Evident One Year Following Anterior Cruciate Ligament Reconstruction: A Magnetic Resonance Imaging Evaluation. <i>Arthritis and Rheumatology</i> , 2015, 67, 946-955.	5.6	147
33	Prevalence of knee osteoarthritis features on magnetic resonance imaging in asymptomatic uninjured adults: a systematic review and meta-analysis. <i>British Journal of Sports Medicine</i> , 2019, 53, 1268-1278.	6.7	146
34	What Comes First? Multitissue Involvement Leading to Radiographic Osteoarthritis: Magnetic Resonance Imagingâ€‘Based Trajectory Analysis Over Four Years in the Osteoarthritis Initiative. <i>Arthritis and Rheumatology</i> , 2015, 67, 2085-2096.	5.6	140
35	MRI-based semiquantitative scoring of joint pathology in osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2013, 9, 236-251.	8.0	124
36	Why radiography should no longer be considered a surrogate outcome measure for longitudinal assessment of cartilage in knee osteoarthritis. <i>Arthritis Research and Therapy</i> , 2011, 13, 247.	3.5	122

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37	Ligamentous Injuries and the Risk of Associated Tissue Damage in Acute Ankle Sprains in Athletes. American Journal of Sports Medicine, 2014, 42, 1549-1557.	4.2	121
38	Defining radiographic incidence and progression of knee osteoarthritis: suggested modifications of the Kellgren and Lawrence scale. Annals of the Rheumatic Diseases, 2011, 70, 1884-1886.	0.9	120
39	Association of hip pain with radiographic evidence of hip osteoarthritis: diagnostic test study. BMJ, The, 2015, 351, h5983.	6.0	119
40	Imaging of Synovitis in Osteoarthritis: Current Status and Outlook. Seminars in Arthritis and Rheumatism, 2011, 41, 116-130.	3.4	113
41	OARSI Clinical Trials Recommendations: Knee imaging in clinical trials in Osteoarthritis. Osteoarthritis and Cartilage, 2015, 23, 698-715.	1.3	113
42	Imaging in Osteoarthritis. Rheumatic Disease Clinics of North America, 2008, 34, 645-687.	1.9	111
43	Longitudinal performance evaluation and validation of fixed-flexion radiography of the knee for detection of joint space loss. Arthritis and Rheumatism, 2007, 56, 1512-1520.	6.7	110
44	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.	0.9	110
45	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.	5.6	110
46	Imaging of Muscle Injuries in Sports Medicine: Sports Imaging Series. Radiology, 2017, 282, 646-663.	7.3	104
47	Intentional Weight Loss in Overweight and Obese Patients With Knee Osteoarthritis: Is More Better?. Arthritis Care and Research, 2018, 70, 1569-1575.	3.4	102
48	Magnetic Resonance Imaging of Subchondral Bone Marrow Lesions in Association with Osteoarthritis. Seminars in Arthritis and Rheumatism, 2012, 42, 105-118.	3.4	99
49	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.	0.9	98
50	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.	7.3	98
51	Quantitative MRI measures of cartilage predict knee replacement: a case-control study from the Osteoarthritis Initiative. Annals of the Rheumatic Diseases, 2013, 72, 707-714.	0.9	98
52	Subcutaneous tanezumab for osteoarthritis of the hip or knee: efficacy and safety results from a 24-week randomised phase III study with a 24-week follow-up period. Annals of the Rheumatic Diseases, 2020, 79, 800-810.	0.9	98
53	State of the Art: MR Imaging after Knee Cartilage Repair Surgery. Radiology, 2015, 277, 23-43.	7.3	97
54	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.	2.2	96

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55	State of the Art: Imaging of Osteoarthritisâ€”Revisited 2020. Radiology, 2020, 296, 5-21.	7.3	96
56	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.	7.3	95
57	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.	0.9	95
58	Fully Automated Diagnosis of Anterior Cruciate Ligament Tears on Knee MR Images by Using Deep Learning. Radiology: Artificial Intelligence, 2019, 1, 180091.	5.8	94
59	OARSI Clinical Trials Recommendations: Hip imaging in clinical trials in osteoarthritis. Osteoarthritis and Cartilage, 2015, 23, 716-731.	1.3	90
60	Quantitative measures of meniscus extrusion predict incident radiographic knee osteoarthritis â€” data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2016, 24, 262-269.	1.3	88
61	Establishing outcome measures in early knee osteoarthritis. Nature Reviews Rheumatology, 2019, 15, 438-448.	8.0	88
62	The role of imaging in osteoarthritis. Best Practice and Research in Clinical Rheumatology, 2014, 28, 31-60.	3.3	87
63	MR findings in knee osteoarthritis. European Radiology, 2003, 13, 1370-1386.	4.5	85
64	Association between age, sex, BMI and CT-evaluated spinal degeneration features. Journal of Back and Musculoskeletal Rehabilitation, 2009, 22, 189-195.	1.1	85
65	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.	4.5	83
66	Full-limb and knee radiography assessments of varus-valgus alignment and their relationship to osteoarthritis disease features by magnetic resonance imaging. Arthritis and Rheumatism, 2007, 57, 398-406.	6.7	81
67	Significance of Preradiographic Magnetic Resonance Imaging Lesions in Persons at Increased Risk of Knee Osteoarthritis. Arthritis and Rheumatology, 2014, 66, 1811-1819.	5.6	77
68	Anterior Cruciate Ligament OsteoArthritis Score (ACLOAS): Longitudinal MRI-based whole joint assessment of anterior cruciate ligament injury. Osteoarthritis and Cartilage, 2014, 22, 668-682.	1.3	76
69	Effect of High-Intensity Strength Training on Knee Pain and Knee Joint Compressive Forces Among Adults With Knee Osteoarthritis. JAMA - Journal of the American Medical Association, 2021, 325, 646.	7.4	75
70	Osteoarthritis. Rheumatic Disease Clinics of North America, 2013, 39, 567-591.	1.9	73
71	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.	2.0	73
72	A Pathway and Approach to Biomarker Validation and Qualification for Osteoarthritis Clinical Trials. Current Drug Targets, 2010, 11, 536-545.	2.1	70

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73	Can Structural Joint Damage Measured with MR Imaging Be Used to Predict Knee Replacement in the Following Year?. Radiology, 2015, 274, 810-820.	7.3	70
74	Improving Radiographic Fracture Recognition Performance and Efficiency Using Artificial Intelligence. Radiology, 2022, 302, 627-636.	7.3	70
75	Central bone marrow lesions in symptomatic knee osteoarthritis and their relationship to anterior cruciate ligament tears and cartilage loss. Arthritis and Rheumatism, 2008, 58, 130-136.	6.7	69
76	Subchondral bone attrition may be a reflection of compartment-specific mechanical load: the MOST Study. Annals of the Rheumatic Diseases, 2010, 69, 841-844.	0.9	68
77	Brief Report: Partial- and Full-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.	5.6	68
78	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.	4.5	65
79	The Intensive Diet and Exercise for Arthritis (IDEA) trial: 18-month radiographic and MRI outcomes. Osteoarthritis and Cartilage, 2015, 23, 1090-1098.	1.3	65
80	Comparison of Diagnostic Performance of Semi-Quantitative Knee Ultrasound and Knee Radiography with MRI: Oulu Knee Osteoarthritis Study. Scientific Reports, 2016, 6, 22365.	3.3	65
81	Risk factors for magnetic resonance imaging-detected patellofemoral and tibiofemoral cartilage loss during a six-month period: The Joints On Glucosamine study. Arthritis and Rheumatism, 2012, 64, 1888-1898.	6.7	64
82	Denuded subchondral bone and knee pain in persons with knee osteoarthritis. Arthritis and Rheumatism, 2009, 60, 3703-3710.	6.7	63
83	Invasive central nervous system aspergillosis in bone marrow transplantation recipients: an overview. European Radiology, 2003, 13, 377-388.	4.5	62
84	Detection of Osteophytes and Subchondral Cysts in the Knee with Use of Tomosynthesis. Radiology, 2012, 263, 206-215.	7.3	61
85	Ultrasound Assessment of Medial Meniscal Extrusion: A Validation Study Using MRI as Reference Standard. American Journal of Roentgenology, 2015, 204, 584-588.	2.2	61
86	Quadriceps weakness, patella alta, and structural features of patellofemoral osteoarthritis. Arthritis Care and Research, 2011, 63, 1391-1397.	3.4	60
87	The role of radiography and MRI for eligibility assessment in DMOAD trials of knee OA. Nature Reviews Rheumatology, 2018, 14, 372-380.	8.0	60
88	Brief Report: Intraarticular Sprifermin Not Only Increases Cartilage Thickness, but Also Reduces Cartilage Loss: Location-Independent Post Hoc Analysis Using Magnetic Resonance Imaging. Arthritis and Rheumatology, 2015, 67, 2916-2922.	5.6	59
89	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.	3.0	58
90	Biomarker of extracellular matrix remodelling C1M and proinflammatory cytokine interleukin 6 are related to synovitis and pain in end-stage knee osteoarthritis patients. Pain, 2017, 158, 1254-1263.	4.2	58

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91	Meniscus morphology: Does tear type matter? A narrative review with focus on relevance for osteoarthritis research. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, 552-561.	3.4	58
92	Magnetic resonance imaging-based cartilage loss in painful contralateral knees with and without radiographic joint space narrowing: Data from the osteoarthritis initiative. <i>Arthritis and Rheumatism</i> , 2009, 61, 1218-1225.	6.7	57
93	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. <i>European Journal of Radiology</i> , 2011, 80, e126-e131.	2.6	57
94	Worsening Knee Osteoarthritis Features on Magnetic Resonance Imaging 1 to 5 Years After Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2018, 46, 2873-2883.	4.2	57
95	Magnetic resonance imaging of Hoffa's fat pad and relevance for osteoarthritis research: a narrative review. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 383-397.	1.3	56
96	Unresolved Questions in Rheumatology: Motion for Debate: Osteoarthritis Clinical Trials Have Not Identified Efficacious Therapies Because Traditional Imaging Outcome Measures Are Inadequate. <i>Arthritis and Rheumatism</i> , 2013, 65, 2748-2758.	6.7	54
97	Acute hamstring injury in football players: Association between anatomical location and extent of injury—A large single-center MRI report. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 317-322.	1.3	54
98	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. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 2191-2198.	1.3	53
99	Diagnostic performance of 3D standing CT imaging for detection of knee osteoarthritis features. <i>Physician and Sportsmedicine</i> , 2015, 43, 213-220.	2.1	53
100	Early Patellofemoral Osteoarthritis Features One Year After Anterior Cruciate Ligament Reconstruction: Symptoms and Quality of Life at Three Years. <i>Arthritis Care and Research</i> , 2016, 68, 784-792.	3.4	52
101	Association of clinical findings with pre-radiographic and radiographic knee osteoarthritis in a population-based study. <i>Arthritis Care and Research</i> , 2010, 62, 1691-1698.	3.4	51
102	Different thresholds for detecting osteophytes and joint space narrowing exist between the site investigators and the centralized reader in a multicenter knee osteoarthritis study—data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2012, 41, 179-186.	2.0	51
103	Magnetic Resonance Imaging-Based Semiquantitative and Quantitative Assessment in Osteoarthritis. <i>Rheumatic Disease Clinics of North America</i> , 2009, 35, 521-555.	1.9	50
104	Quantitative MR Imaging of Cartilage and Trabecular Bone in Osteoarthritis. <i>Radiologic Clinics of North America</i> , 2009, 47, 655-673.	1.8	50
105	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. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 198.	1.9	50
106	Prevalence of magnetic resonance imaging-defined atrophic and hypertrophic phenotypes of knee osteoarthritis in a population-based cohort. <i>Arthritis and Rheumatism</i> , 2012, 64, 429-437.	6.7	50
107	Worse knee confidence, fear of movement, psychological readiness to return-to-sport and pain are associated with worse function after ACL reconstruction. <i>Physical Therapy in Sport</i> , 2020, 41, 1-8.	1.9	50
108	Pattern of joint damage in persons with knee osteoarthritis and concomitant ACL tears. <i>Rheumatology International</i> , 2012, 32, 1197-1208.	3.0	48

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109	Semi-quantitative MRI biomarkers of knee osteoarthritis progression in the FNIH biomarkers consortium cohort – Methodologic aspects and definition of change. BMC Musculoskeletal Disorders, 2016, 17, 466.	1.9	48
110	Effect of Oral Glucosamine on Joint Structure in Individuals With Chronic Knee Pain: A Randomized, Placebo-Controlled Clinical Trial. Arthritis and Rheumatology, 2014, 66, 930-939.	5.6	47
111	Pre-radiographic osteoarthritic changes are highly prevalent in the medial patella and medial posterior femur in older persons: Framingham OA study. Osteoarthritis and Cartilage, 2014, 22, 76-83.	1.3	47
112	Association of urinary metabolites with radiographic progression of knee osteoarthritis in overweight and obese adults: an exploratory study. Osteoarthritis and Cartilage, 2016, 24, 1479-1486.	1.3	47
113	Predictive Validity of Radiographic Trabecular Bone Texture in Knee Osteoarthritis. Arthritis and Rheumatology, 2018, 70, 80-87.	5.6	46
114	Occupation-related squatting, kneeling, and heavy lifting and the knee joint: a magnetic resonance imaging-based study in men. Journal of Rheumatology, 2008, 35, 1645-9.	2.0	46
115	Strength Training for Arthritis Trial (START): design and rationale. BMC Musculoskeletal Disorders, 2013, 14, 208.	1.9	45
116	Natural History of Intrameniscal Signal Intensity on Knee MR Images: Six Years of Data from the Osteoarthritis Initiative. Radiology, 2016, 278, 164-171.	7.3	44
117	Co-localisation of non-cartilaginous articular pathology increases risk of cartilage loss in the tibiofemoral joint – the MOST study. Annals of the Rheumatic Diseases, 2013, 72, 942-948.	0.9	43
118	Associations between MRI-defined structural pathology and generalized and localized knee pain – the Oulu Knee Osteoarthritis study. Osteoarthritis and Cartilage, 2016, 24, 1565-1576.	1.3	43
119	Evidence that meniscus damage may be a component of osteoarthritis: the Framingham study. Osteoarthritis and Cartilage, 2016, 24, 270-273.	1.3	43
120	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.	3.5	42
121	Imaging of Osteoarthritis. Rheumatic Disease Clinics of North America, 2013, 39, 67-105.	1.9	42
122	Atlas of Osteoarthritis. , 2014, , .		42
123	The MeTeOR Trial (Meniscal Tear in Osteoarthritis Research): Rationale and design features. Contemporary Clinical Trials, 2012, 33, 1189-1196.	1.8	41
124	Severe radiographic knee osteoarthritis – does Kellgren and Lawrence grade 4 represent end stage disease? – the MOST study. Osteoarthritis and Cartilage, 2015, 23, 1499-1505.	1.3	41
125	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.	1.3	41
126	Understanding Magnetic Resonance Imaging of Knee Cartilage Repair: A Focus on Clinical Relevance. Cartilage, 2018, 9, 223-236.	2.7	41

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127	The QIBA Profile for MRI-based Compositional Imaging of Knee Cartilage. Radiology, 2021, 301, 423-432.	7.3	41
128	Within- and between-subregion relationship between bone marrow lesions and subsequent cartilage loss in knee osteoarthritis. Arthritis Care and Research, 2010, 62, 198-203.	3.4	40
129	Knee kinematics and kinetics are associated with early patellofemoral osteoarthritis following anterior cruciate ligament reconstruction. Osteoarthritis and Cartilage, 2016, 24, 1548-1553.	1.3	40
130	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.	0.9	40
131	Spatial patterns of cartilage loss in the medial femoral condyle in osteoarthritic knees: Data from the osteoarthritis initiative. Magnetic Resonance in Medicine, 2010, 63, 574-581.	3.0	39
132	Imaging of osteoarthritis. Current Opinion in Rheumatology, 2011, 23, 484-491.	4.3	39
133	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.	2.0	39
134	Posterior ankle impingement in athletes: Pathogenesis, imaging features and differential diagnoses. European Journal of Radiology, 2015, 84, 2231-2241.	2.6	39
135	Deep learning approach to predict pain progression in knee osteoarthritis. Skeletal Radiology, 2022, 51, 363-373.	2.0	39
136	Long-term Safety and Efficacy of Subcutaneous Tanezumab Versus Nonsteroidal Antiinflammatory Drugs for Hip or Knee Osteoarthritis: A Randomized Trial. Arthritis and Rheumatology, 2021, 73, 1167-1177.	5.6	39
137	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.	1.9	38
138	Osteoarthritis: Current Role of Imaging. Medical Clinics of North America, 2009, 93, 101-126.	2.5	35
139	Increased risk for radiographic osteoarthritis features in young active athletes: a cross-sectional matched case-control study. Osteoarthritis and Cartilage, 2015, 23, 239-243.	1.3	35
140	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.	6.7	35
141	Diagnostic Performance of Three-dimensional MRI for Depicting Cartilage Defects in the Knee: A Meta-Analysis. Radiology, 2018, 289, 71-82.	7.3	35
142	Osteoarthritis year in review 2019: imaging. Osteoarthritis and Cartilage, 2020, 28, 285-295.	1.3	35
143	Using Cumulative Load to Explain How Body Mass Index and Daily Walking Relate to Worsening Knee Cartilage Damage Over Two Years: The MOST Study. Arthritis and Rheumatology, 2020, 72, 957-965.	5.6	35
144	Assessment of knee pain from MR imaging using a convolutional Siamese network. European Radiology, 2020, 30, 3538-3548.	4.5	35

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145	Effects of dietary weight loss with and without exercise on interstitial matrix turnover and tissue inflammation biomarkers in adults with knee osteoarthritis: the Intensive Diet and Exercise for Arthritis trial (IDEA). Osteoarthritis and Cartilage, 2017, 25, 1822-1828.	1.3	34
146	Imaging of osteoarthritis—recent research developments and future perspective. British Journal of Radiology, 2018, 91, 20170349.	2.2	34
147	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 2-...year follow-up study using 3.0-...T MRI. Annals of the Rheumatic Diseases, 2014, 73, 1935-1941.	0.9	33
148	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.	1.3	33
149	Rotator Cuff Tear Arthropathy: Pathophysiology, Imaging Characteristics, and Treatment Options. American Journal of Roentgenology, 2015, 205, W502-W511.	2.2	33
150	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.	4.5	33
151	Sports Injuries at the Rio de Janeiro 2016 Summer Olympics: Use of Diagnostic Imaging Services. Radiology, 2018, 287, 922-932.	7.3	33
152	Statin Use and Knee Osteoarthritis Outcome Measures according to the Presence of Heberden Nodes: Results from the Osteoarthritis Initiative. Radiology, 2019, 293, 396-404.	7.3	33
153	Synthesis and Preclinical Characterization of a Cationic Iodinated Imaging Contrast Agent (CA4+) and Its Use for Quantitative Computed Tomography of Ex Vivo Human Hip Cartilage. Journal of Medicinal Chemistry, 2017, 60, 5543-5555.	6.4	32
154	New MRI muscle classification systems and associations with return to sport after acute hamstring injuries: a prospective study. European Radiology, 2018, 28, 3532-3541.	4.5	32
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