Wolfgang Wirth

List of Publications by Year
in descending order

166	5,638	61984 43	106344 65
papers	citations	h-index	g-index

166	166	166	3286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Double echo steady state magnetic resonance imaging of knee articular cartilage at 3 Tesla: a pilot study for the Osteoarthritis Initiative. Annals of the Rheumatic Diseases, 2006, 65, 433-441.	0.9	247
2	Accuracy and precision of quantitative assessment of cartilage morphology by magnetic resonance imaging at 3.0T. Arthritis and Rheumatism, 2005, 52, 3132-3136.	6.7	190
3	Recent advances in osteoarthritis imagingâ€"the Osteoarthritis Initiative. Nature Reviews Rheumatology, 2012, 8, 622-630.	8.0	188
4	A Technique for Regional Analysis of Femorotibial Cartilage Thickness Based on Quantitative Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2008, 27, 737-744.	8.9	181
5	One year change of knee cartilage morphology in the first release of participants from the Osteoarthritis Initiative progression subcohort: association with sex, body mass index, symptoms and radiographic osteoarthritis status. Annals of the Rheumatic Diseases, 2009, 68, 674-679.	0.9	134
6	Regional analysis of femorotibial cartilage loss in a subsample from the Osteoarthritis Initiative progression subcohort. Osteoarthritis and Cartilage, 2009, 17, 291-297.	1.3	134
7	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.	5.6	116
8	Patterns of femorotibial cartilage loss in knees with neutral, varus, and valgus alignment. Arthritis and Rheumatism, 2008, 59, 1563-1570.	6.7	105
9	Quantitative MRI measures of cartilage predict knee replacement: a caseâ€"control study from the Osteoarthritis Initiative. Annals of the Rheumatic Diseases, 2013, 72, 707-714.	0.9	98
10	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
11	Tibial coverage, meniscus position, size and damage in knees discordant for joint space narrowing â€" data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2013, 21, 419-427.	1.3	85
12	Osteoarthritis may not be a one-way-road of cartilage loss â€" comparison of spatial patterns of cartilage change between osteoarthritic and healthy knees. Osteoarthritis and Cartilage, 2010, 18, 329-335.	1.3	83
13	Change in regional cartilage morphology and joint space width in osteoarthritis participants versus healthy controls: a multicentre study using 3.0 Tesla MRI and Lyonâ€"Schuss radiography. Annals of the Rheumatic Diseases, 2010, 69, 155-162.	0.9	80
14	Relationship of 3D meniscal morphology and position with knee pain in subjects with knee osteoarthritis: a pilot study. European Radiology, 2012, 22, 211-220.	4.5	73
15	Meniscus Body Position, Size, and Shape in Persons With and Persons Without Radiographic Knee Osteoarthritis: Quantitative Analyses of Knee Magnetic Resonance Images From the Osteoarthritis Initiative. Arthritis and Rheumatism, 2013, 65, 1804-1811.	6.7	73
16	Imaging of cartilage and bone: promises and pitfalls in clinical trials of osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 1516-1532.	1.3	70
17	Sensitivity to change of cartilage morphometry using coronal FLASH, sagittal DESS, and coronal MPR DESS protocols â€" comparative data from the osteoarthritis initiative (OAI). Osteoarthritis and Cartilage, 2010, 18, 547-554.	1.3	68
18	Fiveâ€Year Followup of Knee Joint Cartilage Thickness Changes After Acute Rupture of the Anterior Cruciate Ligament. Arthritis and Rheumatology, 2015, 67, 152-161.	5.6	68

#	Article	IF	Citations
19	Impact of exercise on articular cartilage in people at risk of, or with established, knee osteoarthritis: a systematic review of randomised controlled trials. British Journal of Sports Medicine, 2019, 53, 940-947.	6.7	67
20	A threeâ€dimensional quantitative method to measure meniscus shape, position, and signal intensity using MR images: A pilot study and preliminary results in knee osteoarthritis. Magnetic Resonance in Medicine, 2010, 63, 1162-1171.	3.0	65
21	Subregional effects of meniscal tears on cartilage loss over 2 years in knee osteoarthritis. Annals of the Rheumatic Diseases, 2011, 70, 74-79.	0.9	65
22	Side differences of thigh muscle cross-sectional areas and maximal isometric muscle force in bilateral knees with the same radiographic disease stage, but unilateral frequent pain â€" data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2012, 20, 532-540.	1.3	64
23	Direct comparison of fixed flexion, radiography and MRI in knee osteoarthritis: responsiveness data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2013, 21, 117-125.	1.3	64
24	MRI-based extended ordered values more efficiently differentiate cartilage loss in knees with and without joint space narrowing than region-specific approaches using MRI or radiography â€" data from the OA initiative. Osteoarthritis and Cartilage, 2011, 19, 689-699.	1.3	61
25	Greater rates of cartilage loss in painful knees than in painâ€free knees after adjustment for radiographic disease stage: Data from the Osteoarthritis Initiative. Arthritis and Rheumatism, 2011, 63, 2257-2267.	6.7	61
26	Brief Report: Intraarticular Sprifermin Not Only Increases Cartilage Thickness, but Also Reduces Cartilage Loss: Locationâ€Independent Post Hoc Analysis Using Magnetic Resonance Imaging. Arthritis and Rheumatology, 2015, 67, 2916-2922.	5.6	59
27	Magnetic resonance imagingâ€based cartilage loss in painful contralateral knees with and without radiographic joint space narrowing: Data from the osteoarthritis initiative. Arthritis and Rheumatism, 2009, 61, 1218-1225.	6.7	57
28	Femorotibial subchondral bone area and regional cartilage thickness: A crossâ€sectional description in healthy reference cases and various radiographic stages of osteoarthritis in 1,003 knees from the Osteoarthritis Initiative. Arthritis Care and Research, 2010, 62, 1612-1623.	3.4	57
29	Association of Thigh Muscle Strength With Knee Symptoms and Radiographic Disease Stage of Osteoarthritis: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2014, 66, 1344-1353.	3.4	57
30	Does the use of ordered values of subregional change in cartilage thickness improve the detection of disease progression in longitudinal studies of osteoarthritis?. Arthritis and Rheumatism, 2009, 61, 917-924.	6.7	56
31	Quantitative Cartilage Imaging in Knee Osteoarthritis. Arthritis, 2011, 2011, 1-19.	2.0	56
32	Relationship Between Medial Meniscal Extrusion and Cartilage Loss in Specific Femorotibial Subregions: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2015, 67, 1545-1552.	3.4	56
33	Correlation between single-slice muscle anatomical cross-sectional area and muscle volume in thigh extensors, flexors and adductors of perimenopausal women. European Journal of Applied Physiology, 2010, 110, 91-97.	2.5	53
34	In vivo measures of cartilage deformation: patterns in healthy and osteoarthritic female knees using 3T MR imaging. European Radiology, 2011, 21, 1127-1135.	4.5	53
35	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.	1.3	53
36	Intra-articular sprifermin reduces cartilage loss in addition to increasing cartilage gain independent of location in the femorotibial joint: post-hoc analysis of a randomised, placebo-controlled phase II clinical trial. Annals of the Rheumatic Diseases, 2020, 79, 525-528.	0.9	52

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37	Effect of exercise intervention on thigh muscle volume and anatomical crossâ€sectional areasâ€"Quantitative assessment using MRI. Magnetic Resonance in Medicine, 2010, 64, 1713-1720.	3.0	51
38	Morphometric Differences between the Medial and Lateral Meniscus in Healthy Men â€“ A Three-Dimensional Analysis Using Magnetic Resonance Imaging. Cells Tissues Organs, 2012, 195, 353-364.	2.3	51
39	Cartilage thickening in early radiographic knee osteoarthritis: A withinâ€person, betweenâ€knee comparison. Arthritis Care and Research, 2012, 64, 1681-1690.	3.4	51
40	Subregional femorotibial cartilage morphology in women â€“ comparison between healthy controls and participants with different grades of radiographic knee osteoarthritis. Osteoarthritis and Cartilage, 2009, 17, 1177-1185.	1.3	50
41	Frequency and spatial distribution of cartilage thickness change in knee osteoarthritis and its relation to clinical and radiographic covariates â€“ data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2013, 21, 102-109.	1.3	48
42	Magnitude and regional distribution of cartilage loss associated with grades of joint space narrowing in radiographic osteoarthritis â€“ data from the Osteoarthritis Initiative (OAI). Osteoarthritis and Cartilage, 2010, 18, 760-768.	1.3	47
43	Rates of change and sensitivity to change in cartilage morphology in healthy knees and in knees with mild, moderate, and end stage radiographic osteoarthritis. Arthritis Care and Research, 2010, 63, n/a-n/a.	3.4	47
44	Relationship of compartment-specific structural knee status at baseline with change in cartilage morphology: a prospective observational study using data from the osteoarthritis initiative. Arthritis Research and Therapy, 2009, 11, R90.	3.5	43
45	Comparison of 1-year vs 2-year change in regional cartilage thickness in osteoarthritis results from 346 participants from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2011, 19, 74-83.	1.3	43
46	Use of novel interactive input devices for segmentation of articular cartilage from magnetic resonance images. Osteoarthritis and Cartilage, 2005, 13, 48-53.	1.3	42
47	Revision 1 Size and position of the healthy meniscus, and its Correlation with sex, height, weight, and bone area- a cross-sectional study. BMC Musculoskeletal Disorders, 2011, 12, 248.	1.9	42
48	Relationship Between Isometric Thigh Muscle Strength and Minimum Clinically Important Differences in Knee Function in Osteoarthritis: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2015, 67, 509-518.	3.4	42
49	Varusâ€“valgus alignment: Reduced risk of subsequent cartilage loss in the less loaded compartment. Arthritis and Rheumatism, 2011, 63, 1002-1009.	6.7	41
50	Fiveâ€minute knee MRI for simultaneous morphometry and T₂ relaxometry of cartilage and meniscus and for semiquantitative radiological assessment using doubleâ€echo in steadyâ€state at 3T. Journal of Magnetic Resonance Imaging, 2018, 47, 1328-1341.	3.4	41
51	An efficient subset of morphological measures for articular cartilage in the healthy and diseased human knee. Magnetic Resonance in Medicine, 2010, 63, 680-690.	3.0	40
52	Predictive and concurrent validity of cartilage thickness change as a marker of knee osteoarthritis progression: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2017, 25, 2063-2071.	1.3	40
53	Oneâ€year change in radiographic joint space width in patients with unilateral joint space narrowing: Data from the osteoarthritis initiative. Arthritis Care and Research, 2010, 62, 924-931.	3.4	39
54	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

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55	Trajectory of cartilage loss within 4 years of knee replacement â€" a nested caseâ€"control study from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2014, 22, 1542-1549.	1.3	36
56	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.	1.3	35
57	Location-independent analysis of structural progression of osteoarthritisâ€"Taking it all apart, and putting the puzzle back together makes the difference. Seminars in Arthritis and Rheumatism, 2017, 46, 404-410.	3.4	35
58	Quantitative Relationship of Thigh Adipose Tissue With Pain, Radiographic Status, and Progression of Knee Osteoarthritis. Investigative Radiology, 2015, 50, 268-274.	6.2	34
59	How do short-term rates of femorotibial cartilage change compare to long-term changes? Four year follow-up data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2012, 20, 1250-1257.	1.3	33
60	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
61	Clinical evaluation of fully automated thigh muscle and adipose tissue segmentation using a U-Net deep learning architecture in context of osteoarthritic knee pain. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 483-493.	2.0	33
62	Lateral and medial joint space narrowing predict subsequent cartilage loss in the narrowed, but not in the non-narrowed femorotibial compartment â€" data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2014, 22, 63-70.	1.3	32
63	Thigh Muscle Crossâ€Sectional Areas and Strength in Advanced Versus Early Painful Osteoarthritis: An Exploratory Betweenâ€Knee, Withinâ€Person Comparison in Osteoarthritis Initiative Participants. Arthritis Care and Research, 2013, 65, 1034-1042.	3.4	31
64	Longitudinal sensitivity to change of MRI-based muscle cross-sectional area versus isometric strength analysis in osteoarthritic knees with and without structural progression: pilot data from the Osteoarthritis Initiative. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 339-347.	2.0	30
65	Sex-differences of the healthy infra-patellar (Hoffa) fat pad in relation to intermuscular and subcutaneous fat content â€" Data from the Osteoarthritis Initiative. Annals of Anatomy, 2015, 200, 30-36.	1.9	30
66	Loss of patellofemoral cartilage thickness over 5 years following ACL injury depends on the initial treatment strategy: results from the KANON trial. British Journal of Sports Medicine, 2019, 53, 1168-1173.	6.7	30
67	Interobserver reproducibility of quantitative meniscus analysis using coronal multiplanar DESS and IWTSE MR imaging. Magnetic Resonance in Medicine, 2012, 67, 1419-1426.	3.0	29
68	Longitudinal (4 year) change of thigh muscle and adipose tissue distribution in chronically painful vs painless knees â€" data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2015, 23, 1348-1356.	1.3	29
69	Relationship between knee pain and the presence, location, size and phenotype ofÂfemorotibial denuded areas of subchondral bone as visualized by MRI. Osteoarthritis and Cartilage, 2013, 21, 1214-1222.	1.3	28
70	Contribution of regional 3D meniscus and cartilage morphometry by MRI to joint space width in fixed flexion knee radiographyâ€"A between-knee comparison in subjects with unilateral joint space narrowing. European Journal of Radiology, 2013, 82, e832-e839.	2.6	28
71	Meniscus body position and its change over four years in asymptomatic adults: a cohort study using data from the Osteoarthritis Initiative (OAI). BMC Musculoskeletal Disorders, 2014, 15, 32.	1.9	28
72	Thigh muscle strength predicts knee replacement risk independent of radiographic disease and pain in women - data from the Osteoarthritis Initiative. Arthritis and Rheumatology, 2015, 68, n/a-n/a.	5.6	26

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73	Longitudinal change in quantitative meniscus measurements in knee osteoarthritisâ€"data from the Osteoarthritis Initiative. European Radiology, 2015, 25, 2960-2968.	4.5	26
74	Thigh Muscle Specificâ€Strength and the Risk of Incident Knee Osteoarthritis: The Influence of Sex and Greater Body Mass Index. Arthritis Care and Research, 2017, 69, 1266-1270.	3.4	26
75	Association of knee pain with a reduction in thigh muscle strength â€" a cross-sectional analysis including 4553 osteoarthritis initiative participants. Osteoarthritis and Cartilage, 2017, 25, 658-666.	1.3	26
76	Imaging in Osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 913-934.	1.3	25
77	Longitudinal change in thigh muscle strength prior to and concurrent with symptomatic and radiographic knee osteoarthritis progression: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2017, 25, 1633-1640.	1.3	24
78	The effects of sprifermin on symptoms and structure in a subgroup at risk of progression in the FORWARD knee osteoarthritis trial. Seminars in Arthritis and Rheumatism, 2021, 51, 450-456.	3.4	24
79	Baseline and longitudinal change in isometric muscle strength prior to radiographic progression in osteoarthritic and pre-osteoarthritic knees â€" data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2013, 21, 682-690.	1.3	23
80	Monitoring the effects of dexamethasone treatment by MRI using in vivo iron oxide nanoparticle-labeled macrophages. Arthritis Research and Therapy, 2014, 16, R131.	3.5	23
81	Longitudinal Change in Thigh Muscle Strength Prior to and Concurrent With Minimum Clinically Important Worsening or Improvement in Knee Function: Data From the Osteoarthritis Initiative. Arthritis and Rheumatology, 2016, 68, 826-836.	5.6	23
82	Validation of an active shape model-based semi-automated segmentation algorithm for the analysis of thigh muscle and adipose tissue cross-sectional areas. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 489-503.	2.0	23
83	The role of thigh muscle and adipose tissue in knee osteoarthritis progression in women: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2018, 26, 1190-1195.	1.3	23
84	Femorotibial Cartilage Morphology: Reproducibility of Different Metrics and Femoral Regions, and Sensitivity to Change in Disease. Cells Tissues Organs, 2010, 192, 340-350.	2.3	22
85	Using ordered values of subregional cartilage thickness change increases sensitivity in detecting risk factors for osteoarthritis progression. Osteoarthritis and Cartilage, 2011, 19, 302-308.	1.3	22
86	Longitudinal analysis of MR spinâ€"spin relaxation times (T2) in medial femorotibial cartilage of adolescent vs mature athletes: dependence of deep and superficial zone properties on sex and age. Osteoarthritis and Cartilage, 2014, 22, 1554-1558.	1.3	21
87	Moderate Physical Activity and Prevention of Cartilage Loss in People With Knee Osteoarthritis: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2019, 71, 218-226.	3.4	21
88	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.	1.3	21
89	Impact of Diabetes Mellitus on Knee Osteoarthritis Pain and Physical and Mental Status: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2021, 73, 540-548.	3.4	21
90	Presence, location, type and size of denuded areas of subchondral bone in the knee as a function of radiographic stage of OA â€" data from the OA initiative. Osteoarthritis and Cartilage, 2010, 18, 668-676.	1.3	20

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91	Effects of Exercise Intervention on Knee Morphology in Middle-Aged Women: A Longitudinal Analysis Using Magnetic Resonance Imaging. Cells Tissues Organs, 2010, 192, 64-72.	2.3	20
92	Rates and sensitivity of knee cartilage thickness loss in specific central reading radiographic strata from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2014, 22, 1550-1553.	1.3	20
93	Impact of Diet and/or Exercise Intervention on Infrapatellar Fat Pad Morphology: Secondary Analysis from the Intensive Diet and Exercise for Arthritis (IDEA) Trial. Cells Tissues Organs, 2017, 203, 258-266.	2.3	20
94	Knee extensor muscle weakness and radiographic knee osteoarthritis progression. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 406-411.	3.3	20
95	Anatomical alignment, but not goniometry, predicts femorotibial cartilage loss as well as mechanical alignment: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2016, 24, 254-261.	1.3	19
96	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.	3.3	19
97	Between-group differences in infra-patellar fat pad size and signal in symptomatic and radiographic progression of knee osteoarthritis vs non-progressive controls and healthy knees â€" data from the FNIH Biomarkers Consortium Study and the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2017, 25, 1114-1121.	1.3	19
98	Relationship Between Knee Pain and Infrapatellar Fat Pad Morphology: A Withinâ€•and Betweenâ€Person Analysis From the Osteoarthritis Initiative. Arthritis Care and Research, 2018, 70, 550-557.	3.4	19
99	Longitudinal quantitative MR imaging of cartilage morphology in the presence of gadopentetate dimeglumine (Gdâ€DTPA). Magnetic Resonance in Medicine, 2009, 61, 975-980.	3.0	18
100	Thigh muscle cross-sectional areas and strength in knees with early vs knees without radiographic knee osteoarthritis: a between-knee, within-person comparison. Osteoarthritis and Cartilage, 2014, 22, 1634-1638.	1.3	18
101	Accuracy and longitudinal reproducibility of quantitative femorotibial cartilage measures derived from automated U-Net-based segmentation of two different MRI contrasts: data from the osteoarthritis initiative healthy reference cohort. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 337-354.	2.0	18
102	Variance in infra-patellar fat pad volume: Does the body mass index matter?â€"Data from osteoarthritis initiative participants without symptoms or signs of knee disease. Annals of Anatomy, 2017, 213, 19-24.	1.9	17
103	Longitudinal change in femorotibial cartilage thickness and subchondral bone plate area in male and female adolescent vs. mature athletes. Annals of Anatomy, 2014, 196, 150-157.	1.9	16
104	Predictive Capacity of Thigh Muscle Strength in Symptomatic and/or Radiographic Knee Osteoarthritis Progression. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 931-938.	1.4	16
105	Detection of Differences in Longitudinal Cartilage Thickness Loss Using a Deepâ€Learning Automated Segmentation Algorithm: Data From the Foundation for the National Institutes of Health Biomarkers Study of the Osteoarthritis Initiative. Arthritis Care and Research, 2022, 74, 929-936.	3.4	16
106	Osteoarthritis year in review 2020: imaging. Osteoarthritis and Cartilage, 2021, 29, 170-179.	1.3	16
107	Intra- and inter-observer reliability of quantitative analysis of the infra-patellar fat pad and comparison between fat- and non-fat-suppressed imagingâ€"Data from the osteoarthritis initiative. Annals of Anatomy, 2016, 204, 29-35.	1.9	15
108	The contribution of 3D quantitative meniscal and cartilage measures to variation in normal radiographic joint space widthâ€"Data from the Osteoarthritis Initiative healthy reference cohort. European Journal of Radiology, 2017, 87, 90-98.	2.6	15

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109	Sensitivity to change and association of three-dimensional meniscal measures with radiographic joint space width loss in rapid clinical progression of knee osteoarthritis. European Radiology, 2018, 28, 1844-1853.	4.5	15
110	MRI findings of knee abnormalities in adolescent and adult volleyball players. Journal of Experimental Orthopaedics, 2017, 4, 6.	1.8	14
111	Is local or central adiposity more strongly associated with incident knee osteoarthritis than the body mass index in men or women?. Osteoarthritis and Cartilage, 2018, 26, 1033-1037.	1.3	14
112	Changes in Cartilage Thickness and Denuded Bone Area after Knee Joint Distraction and High Tibial Osteotomyâ€"Post-Hoc Analyses of Two Randomized Controlled Trials. Journal of Clinical Medicine, 2021, 10, 368.	2.4	14
113	Contralateral Knee Effect on Selfâ€Reported Kneeâ€Specific Function and Global Functional Assessment: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2015, 67, 374-381.	3.4	13
114	Is Pain in One Knee Associated with Isometric Muscle Strength in the Contralateral Limb?. American Journal of Physical Medicine and Rehabilitation, 2015, 94, 792-803.	1.4	13
115	Segmentation of the lateral femoral notch sign with MRI using a new measurement technique. BMC Musculoskeletal Disorders, 2015, 16, 217.	1.9	13
116	Subregional laminar cartilage MR spinâ€"spin relaxation times (T2) in osteoarthritic knees with and without medial femorotibial cartilage loss â€" data from the Osteoarthritis Initiative (OAI). Osteoarthritis and Cartilage, 2017, 25, 1313-1323.	1.3	13
117	Cartilage Morphological and Histological Findings After Reconstruction of the Glenoid With an Iliac Crest Bone Graft. American Journal of Sports Medicine, 2018, 46, 1039-1045.	4.2	13
118	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.	1.3	13
119	Relative distribution of quadriceps head anatomical cross-sectional areas and volumesâ€"Sensitivity to pain and to training intervention. Annals of Anatomy, 2014, 196, 464-470.	1.9	12
120	Correlation of semiquantitative vs quantitative MRI meniscus measures in osteoarthritic knees: results from the Osteoarthritis Initiative. Skeletal Radiology, 2014, 43, 227-232.	2.0	12
121	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. IEEE Transactions on Medical Imaging, 2015, 34, 1914-1927.	8.9	12
122	The effect of weight loss on the progression of meniscal extrusion and size in knee osteoarthritis: a post-hoc analysis of the Intensive Diet and Exercise for Arthritis (IDEA) trial. Osteoarthritis and Cartilage, 2020, 28, 410-417.	1.3	12
123	Association between changes in molecular biomarkers of cartilage matrix turnover and changes in knee articular cartilage: a longitudinal pilot study. Journal of Experimental Orthopaedics, 2019, 6, 19.	1.8	11
124	Sex- and age-dependence of region- and layer-specific knee cartilage composition (spinâ€"spinâ€"relaxation) Tj ETQq0 0 0 rgBT /Overloc	1.9	10
125	Changes in Medial Meniscal 3D Position and Morphology Predict Knee Replacement in Rapidly Progressing Knee Osteoarthritis - Data from the Osteoarthritis Initiative (OAI). Arthritis Care and Research, 2020, 73, 1031-1037.	3.4	10
126	Efficacy and cost-effectiveness of Stem Cell injections for symptomatic relief and strUctural improvement in people with Tibiofemoral knee OsteoaRthritis: protocol for a randomised placebo-controlled trial (the SCUlpTOR trial). BMJ Open, 2021, 11, e056382.	1.9	10

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127	Role of physical activity in cartilage damage progression of subjects with baseline full-thickness cartilage defects in medial tibiofemoral compartment: data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2016, 24, 1898-1904.	1.3	9
128	Longitudinal Changes in Magnetic Resonance Imagingâ€"Based Measures of Femorotibial Cartilage Thickness as a Function of Alignment and Obesity: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2017, 69, 959-965.	3.4	9
129	The design of a randomized, placebo-controlled, dose-ranging trial to investigate the efficacy and safety of the ADAMTS-5 inhibitor S201086/GLPG1972 in knee osteoarthritis. Osteoarthritis and Cartilage Open, 2021, 3, 100209.	2.0	9
130	Differences in subchondral bone size after one year in osteoarthritic and healthy knees. Osteoarthritis and Cartilage, 2016, 24, 623-630.	1.3	8
131	Longitudinal change in patellofemoral cartilage thickness, cartilage T2 relaxation times, and subchondral bone plate area in adolescent vs mature athletes. European Journal of Radiology, 2017, 92, 24-29.	2.6	8
132	Responsiveness of Infrapatellar Fat Pad Volume Change to Body Weight Loss or Gain: Data from the Osteoarthritis Initiative. Cells Tissues Organs, 2018, 205, 53-62.	2.3	8
133	Early anterior cruciate ligament reconstruction does not affect 5 year change in knee cartilage thickness: secondary analysis of a randomized clinical trial. Osteoarthritis and Cartilage, 2021, 29, 518-526.	1.3	8
134	Meniscus position and size in knees with versus without structural knee osteoarthritis progression: data from the osteoarthritis initiative. Skeletal Radiology, 2022, 51, 997-1006.	2.0	8
135	Is loss in femorotibial cartilage thickness related to severity of contra-lateral radiographic knee osteoarthritis? â€" Longitudinal data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2014, 22, 2059-2066.	1.3	7
136	Greater Lateral Femorotibial Cartilage Loss in Osteoarthritis Initiative Participants With Incident Total Knee Arthroplasty: A Prospective Cohort Study. Arthritis Care and Research, 2015, 67, 1481-1486.	3.4	7
137	Association of adiposity measures in childhood and adulthood with knee cartilage thickness, volume and bone area in young adults. International Journal of Obesity, 2019, 43, 1411-1421.	3.4	7
138	Muscle weakness is associated with non-contractile muscle tissue of the vastus medialis muscle in knee osteoarthritis. BMC Musculoskeletal Disorders, 2022, 23, 91.	1.9	7
139	Longitudinal (Oneâ€Year) Change in Cartilage Thickness in Knees With Early Knee Osteoarthritis: A Withinâ€Person Betweenâ€Knee Comparison. Arthritis Care and Research, 2014, 66, 636-641.	3.4	6
140	Sensitivity of different measures of frontal plane alignment to medial and lateral joint space narrowing: From the osteoarthritis initiative. Seminars in Arthritis and Rheumatism, 2015, 45, 268-274.	3.4	6
141	Validation of a novel blinding method for measuring postoperative knee articular cartilage using magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 693-702.	2.0	6
142	Brief Report: Loss of Muscle Strength Prior to Knee Replacement: A Question of Anatomic Crossâ€Sectional Area or Specific Strength?. Arthritis and Rheumatology, 2018, 70, 222-229.	5.6	5
143	Combining Heterogeneously Labeled Datasets For Training Segmentation Networks. Lecture Notes in Computer Science, 2018, , 276-284.	1.3	5
144	Is muscle strength in a painful limb affected by knee pain status of the contralateral limb? â€" Data from the Osteoarthritis Initiative. Annals of Anatomy, 2019, 221, 68-75.	1.9	5

#	Article	IF	Citations
145	Response of thigh muscle crossâ€sectional area to 21â€days of bed rest with exercise and nutrition countermeasures. Translational Sports Medicine, 2020, 3, 93-106.	1.1	5
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147	8â€...Impact of knee joint loading exercise on MRI-assessed articular cartilage, in knee osteoarthritis: a systematic review of randomised controlled trials. , 2018, , .		4
148	The association of physical activity and depression in patients with, or at risk of, osteoarthritis is captured equally well by patient reported outcomes (PROs) and accelerometer measurements - Analyses of data from the Osteoarthritis Initiative. Seminars in Arthritis and Rheumatism, 2019, 49, 325-330.	3.4	4
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