Wolfgang Wirth

List of Publications by Year
in descending order

166 papers	5,638 citations	61984 43 h-index	106344 65 g-index
166 all docs	166 docs citations	166 times ranked	3286 citing authors

#	Article	IF	Citations
1	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
2	Response letter to the Editor. Seminars in Arthritis and Rheumatism, 2022, 52, 151839.	3.4	0
3	Association of Superficial Cartilage Transverse Relaxation Time With Osteoarthritis Disease Progression: Data From the Foundation for the National Institutes of Health Biomarker Study of the Osteoarthritis Initiative. Arthritis Care and Research, 2022, 74, 1888-1893.	3.4	2
4	Do AhlbÃck scores identify subgroups with different magnitudes of cartilage thickness loss in patients with moderate to severe radiographic osteoarthritis? One-year follow-up data from the Osteoarthritis Initiative. Skeletal Radiology, 2022, 51, 777-782.	2.0	2
5	Imaging in Osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 913-934.	1.3	25
6	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
7	Responsiveness of Subcutaneous Fat, Intermuscular Fat, and Muscle Anatomical Cross-Sectional Area of the Thigh to Longitudinal Body Weight Loss and Gain: Data from the Osteoarthritis Initiative (OAI). Cells Tissues Organs, 2022, 211, 555-564.	2.3	2
8	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
9	Association between osteoarthritis-related serum biochemical markers over 11 years and knee MRI-based imaging biomarkers in middle-aged adults. Osteoarthritis and Cartilage, 2022, 30, 756-764.	1.3	5
10	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
11	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
12	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
13	Osteoarthritis year in review 2020: imaging. Osteoarthritis and Cartilage, 2021, 29, 170-179.	1.3	16
14	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
15	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
16	A simple inclusion criteria combination increases the rate of cartilage loss in patients with knee osteoarthritis. Osteoarthritis and Cartilage Open, 2021, 3, 100188.	2.0	1
17	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
18	Longitudinal Change in Knee Cartilage Thickness and Function in Subjects with and without MRI-Diagnosed Cartilage Damage. Cartilage, 2021, 13, 685S-693S.	2.7	4

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19	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
20	Local MRI-based Measures of Thigh Adipose Tissue derived from Fully Automated Deep Convolutional Neural Network-based Segmentation show a comparable Responsiveness to Bidirectional Change in Body Weight as from Quality Controlled Manual Segmentation. Annals of Anatomy, 2021, 240, 151866.	1.9	3
21	Longitudinal changes in location-specific cartilage thickness and T2 relaxation-times after posterior cruciate ligament reconstruction for isolated and multiligament injury. Clinical Biomechanics, 2020, 79, 104935.	1.2	4
22	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
23	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.	2.0	4
24	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
25	Association of infra-patellar fat pad size with age and body weight in children and adolescents. Annals of Anatomy, 2020, 232, 151533.	1.9	4
26	Is Laminar Cartilage Composition as Determined by T2 Relaxometry Associated with Incident and Worsening of Cartilage or Bone Marrow Abnormalities?. Cartilage, 2020, , 194760352093219.	2.7	2
27	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
28	Reduction in Thigh Muscle Strength Occurs Concurrently but Does Not Seem to Precede Incident Knee Pain in Women. American Journal of Physical Medicine and Rehabilitation, 2020, 99, 33-40.	1.4	1
29	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
30	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
31	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
32	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
33	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
34	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
35	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.	2.6	3
36	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

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37	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
38	OP0010â€…CARTILAGE THICKNESS MODIFICATION WITH SPRIFERMIN IN KNEE OSTEOARTHRITIS PATIENTS TRANSLATES INTO SYMPTOMATIC IMPROVEMENT OVER PLACEBO IN PATIENTS AT RISK OF FURTHER STRUCTURAL AND SYMPTOMATIC PROGRESSION: POST-HOC ANALYSIS OF THE PHASE II FORWARD TRIAL. , 2019, , .		1
39	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
40	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
41	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
42	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
43	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
44	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
45	Knee extensor muscle weakness and radiographic knee osteoarthritis progression. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 406-411.	3.3	20
46	Dynamic Volume Assessment of Hepatocellular Carcinoma in Rat Livers Using a Clinical 3T MRI and Novel Segmentation. Journal of Investigative Surgery, 2018, 31, 44-53.	1.3	1
47	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
48	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
49	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
50	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
51	Combining Heterogeneously Labeled Datasets For Training Segmentation Networks. Lecture Notes in Computer Science, 2018, , 276-284.	1.3	5
52	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
53	8â€…Impact of knee joint loading exercise on MRI-assessed articular cartilage, in knee osteoarthritis: a systematic review of randomised controlled trials. , 2018, , .		4
54	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

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55	MRI findings of knee abnormalities in adolescent and adult volleyball players. Journal of Experimental Orthopaedics, 2017, 4, 6.	1.8	14
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	Choice of knee cartilage thickness change metric for different treatment goals in efficacy studies. Seminars in Arthritis and Rheumatism, 2017, 47, 315-322.	3.4	3
65	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
66	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
67	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
68	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
69	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
70	Sex- and age-dependence of region- and layer-specific knee cartilage composition (spinâ€"spinâ€"relaxation) Tj ETQq0 0 0 rgBT /Overlo	1.9	10
71	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
72	Reply. Arthritis and Rheumatology, 2016, 68, 2829-2830.	5.6	1

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73	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
74	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
75	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
76	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
77	Differences in subchondral bone size after one year in osteoarthritic and healthy knees. Osteoarthritis and Cartilage, 2016, 24, 623-630.	1.3	8
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	Diseased Region Detection of Longitudinal Knee Magnetic Resonance Imaging Data. IEEE Transactions on Medical Imaging, 2015, 34, 1914-1927.	8.9	12

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91	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
92	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
93	Longitudinal change in quantitative meniscus measurements in knee osteoarthritisâ€"data from the Osteoarthritis Initiative. European Radiology, 2015, 25, 2960-2968.	4.5	26
94	Quantitative Relationship of Thigh Adipose Tissue With Pain, Radiographic Status, and Progression of Knee Osteoarthritis. Investigative Radiology, 2015, 50, 268-274.	6.2	34
95	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
96	Segmentation of the lateral femoral notch sign with MRI using a new measurement technique. BMC Musculoskeletal Disorders, 2015, 16, 217.	1.9	13
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	Imaging of cartilage and bone: promises and pitfalls in clinical trials of osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 1516-1532.	1.3	70
108	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

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	Cartilage thickening in early radiographic knee osteoarthritis: A withinâ€person, betweenâ€knee comparison. Arthritis Care and Research, 2012, 64, 1681-1690.	3.4	51
124	Recent advances in osteoarthritis imagingâ€"the Osteoarthritis Initiative. Nature Reviews Rheumatology, 2012, 8, 622-630.	8.0	188
125	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
126	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

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127	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
128	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
129	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
130	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
131	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
132	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
133	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
134	Varusâ€“valgus alignment: Reduced risk of subsequent cartilage loss in the less loaded compartment. Arthritis and Rheumatism, 2011, 63, 1002-1009.	6.7	41
135	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
136	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
137	Quantitative Cartilage Imaging in Knee Osteoarthritis. Arthritis, 2011, 2011, 1-19.	2.0	56
138	Quantitative MR Imaging of Cartilage Morphology in Osteoarthritis. , 2011, , 127-144.		1
139	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
140	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
141	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
142	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
143	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
144	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

#	Article	IF	Citations
145	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
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