

Leena Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

9,922
citations

38742

50
h-index

51608

86
g-index

89
all docs

89
docs citations

89
times ranked

7173
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteoarthritis of the Knee. <i>New England Journal of Medicine</i> , 2021, 384, 51-59.	27.0	360
2	Is Lamellar Cartilage Composition as Determined by T2 Relaxometry Associated with Incident and Worsening of Cartilage or Bone Marrow Abnormalities?. <i>Cartilage</i> , 2020, , 194760352093219.	2.7	2
3	Examining Timeliness of Total Knee Replacement Among Patients with Knee Osteoarthritis in the U.S.. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 468-476.	3.0	43
4	Development and validation of risk stratification trees for incident slow gait speed in persons at high risk for knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1412-1419.	0.9	7
5	Hip muscle strength and protection against structural worsening and poor function and disability outcomes in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 885-894.	1.3	20
6	Association of Varus Knee Thrust During Walking With Worsening Western Ontario and McMaster Universities Osteoarthritis Index Knee Pain: A Prospective Cohort Study. <i>Arthritis Care and Research</i> , 2019, 71, 1353-1359.	3.4	11
7	Physical Activity and Worsening of Radiographic Findings in Persons With or at Higher Risk of Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2019, 71, 198-206.	3.4	11
8	Varus thrust during walking and the risk of incident and worsening medial tibiofemoral MRI lesions: the Multicenter Osteoarthritis Study. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 839-845.	1.3	41
9	Knee tissue lesions and prediction of incident knee osteoarthritis over 7 years in a cohort of persons at higher risk. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1068-1075.	1.3	28
10	Predictive and concurrent validity of cartilage thickness change as a marker of knee osteoarthritis progression: data from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 2063-2071.	1.3	40
11	Varus Thrust and Incident and Progressive Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2017, 69, 2136-2143.	5.6	60
12	Association of baseline knee sagittal dynamic joint stiffness during gait and 2-year patellofemoral cartilage damage worsening in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 242-248.	1.3	20
13	Osteoarthritis year in review 2015: clinical. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 36-48.	1.3	76
14	Comparison of radiographic joint space width and magnetic resonance imaging for prediction of knee replacement: A longitudinal case-control study from the Osteoarthritis Initiative. <i>European Radiology</i> , 2016, 26, 1942-1951.	4.5	33
15	Clinical significance of worsening versus stable preradiographic MRI lesions in a cohort study of persons at higher risk for knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1630-1636.	0.9	40
16	Knee Instability and Basic and Advanced Function Decline in Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2015, 67, 1095-1102.	3.4	25
17	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
18	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

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19	Sedentary Behavior and Physical Function: Objective Evidence From the Osteoarthritis Initiative. <i>Arthritis Care and Research</i> , 2015, 67, 366-373.	3.4	122
20	Significance of Preradiographic Magnetic Resonance Imaging Lesions in Persons at Increased Risk of Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014, 66, 1811-1819.	5.6	77
21	Relationship of Meeting Physical Activity Guidelines With Health-Related Utility. <i>Arthritis Care and Research</i> , 2014, 66, 1041-1047.	3.4	21
22	Trajectory of cartilage loss within 4 years of knee replacement – a nested case-control study from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1542-1549.	1.3	36
23	Factors Associated With Pain Experience Outcome in Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2014, 66, 1828-1835.	3.4	38
24	Physical activity, alignment and knee osteoarthritis: data from MOST and the OAI. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 789-795.	1.3	50
25	Obesity and other modifiable factors for physical inactivity measured by accelerometer in adults with knee osteoarthritis. <i>Arthritis Care and Research</i> , 2013, 65, 53-61.	3.4	72
26	Racial and ethnic differences in physical activity guidelines attainment among people at high risk of or having knee osteoarthritis. <i>Arthritis Care and Research</i> , 2013, 65, 195-202.	3.4	34
27	Excess body weight and four-year function outcomes: Comparison of African Americans and whites in a prospective study of osteoarthritis. <i>Arthritis Care and Research</i> , 2013, 65, 5-14.	3.4	24
28	Valgus malalignment is a risk factor for lateral knee osteoarthritis incidence and progression: Findings from the multicenter osteoarthritis study and the osteoarthritis initiative. <i>Arthritis and Rheumatism</i> , 2013, 65, 355-362.	6.7	214
29	Varus thrust and knee frontal plane dynamic motion in persons with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 1668-1673.	1.3	65
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	Breaking the Law of Valgus: the surprising and unexplained prevalence of medial patellofemoral cartilage damage. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1827-1832.	0.9	42
32	How do short-term rates of femorotibial cartilage change compare to long-term changes? Four year follow-up data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 1250-1257.	1.3	33
33	Knee malalignment is associated with an increased risk for incident and enlarging bone marrow lesions in the more loaded compartments: the MOST study. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 1227-1233.	1.3	74
34	Patterns of compartment involvement in tibiofemoral osteoarthritis in men and women and in whites and African Americans. <i>Arthritis Care and Research</i> , 2012, 64, 847-852.	3.4	128
35	Knee confidence as it relates to physical function outcome in persons with or at high risk of knee osteoarthritis in the Osteoarthritis Initiative. <i>Arthritis and Rheumatism</i> , 2012, 64, 1437-1446.	6.7	42
36	Risk factors for medial meniscal pathology on knee MRI in older US adults: a multicentre prospective cohort study. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1733-1739.	0.9	98

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37	Superficial Femoral Artery Plaque and Functional Performance in Peripheral Arterial Disease. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 730-739.	5.3	28
38	Physical activity levels and functional performance in the osteoarthritis initiative: A graded relationship. <i>Arthritis and Rheumatism</i> , 2011, 63, 127-136.	6.7	136
39	Varus valgus alignment: Reduced risk of subsequent cartilage loss in the less loaded compartment. <i>Arthritis and Rheumatism</i> , 2011, 63, 1002-1009.	6.7	41
40	Objective physical activity measurement in the osteoarthritis initiative: Are guidelines being met?. <i>Arthritis and Rheumatism</i> , 2011, 63, 3372-3382.	6.7	183
41	Subregional effects of meniscal tears on cartilage loss over 2 years in knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 74-79.	0.9	65
42	Quadriceps weakness predicts risk for knee joint space narrowing in women in the MOST cohort. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 769-775.	1.3	190
43	Comment on: varus malalignment negates the structure-modifying benefits of doxycycline in obese women with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 1006-1007.	1.3	4
44	Within-subregion relationship between bone marrow lesions and subsequent cartilage loss in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2010, 62, 198-203.	3.4	40
45	Frequency of varus and valgus thrust and factors associated with thrust presence in persons with or at higher risk of developing knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 1403-1411.	6.7	77
46	Subchondral bone attrition may be a reflection of compartment-specific mechanical load: the MOST Study. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 841-844.	0.9	68
47	Varus and valgus alignment and incident and progressive knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1940-1945.	0.9	336
48	Moving to Maintain Function in Knee Osteoarthritis: Evidence From the Osteoarthritis Initiative. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 714-721.	0.9	48
49	Denuded subchondral bone and knee pain in persons with knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 3703-3710.	6.7	63
50	Medial-to-Lateral Ratio of Tibiofemoral Subchondral Bone Area is Adapted to Alignment and Mechanical Load. <i>Calcified Tissue International</i> , 2009, 84, 186-194.	3.1	49
51	Associations of Borderline and Low Normal Ankle-Brachial Index Values With Functional Decline at 5-Year Follow-Up. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1056-1062.	2.8	171
52	Knee Extensor Strength Does Not Protect Against Incident Knee Symptoms at 30 Months in the Multicenter Knee Osteoarthritis (MOST) Cohort. <i>PM and R</i> , 2009, 1, 459-465.	1.6	40
53	Relationship of meniscal damage, meniscal extrusion, malalignment, and joint laxity to subsequent cartilage loss in osteoarthritic knees. <i>Arthritis and Rheumatism</i> , 2008, 58, 1716-1726.	6.7	243
54	Asymptomatic Peripheral Arterial Disease Is Associated With More Adverse Lower Extremity Characteristics Than Intermittent Claudication. <i>Circulation</i> , 2008, 117, 2484-2491.	1.6	140

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55	The relationship between toe-out angle during gait and progression of medial tibiofemoral osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2007, 66, 1271-1275.	0.9	164
56	The role of varus and valgus alignment in knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2007, 56, 1044-1047.	6.7	64
57	Full-limb and knee radiography assessments of varus-valgus alignment and their relationship to osteoarthritis disease features by magnetic resonance imaging. <i>Arthritis and Rheumatism</i> , 2007, 57, 398-406.	6.7	81
58	Lower Extremity Ischemia, Calf Skeletal Muscle Characteristics, and Functional Impairment in Peripheral Arterial Disease. <i>Journal of the American Geriatrics Society</i> , 2007, 55, 400-406.	2.6	133
59	The ratio of type II collagen breakdown to synthesis and its relationship with the progression of knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 819-823.	1.3	77
60	Epidemiology of osteoarthritis: an update. <i>Current Opinion in Rheumatology</i> , 2006, 18, 147-156.	4.3	254
61	Epidemiology of osteoarthritis: An update. <i>Current Rheumatology Reports</i> , 2006, 8, 7-15.	4.7	133
62	The relationship between specific tissue lesions and pain severity in persons with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 1033-1040.	1.3	307
63	dGEMRIC as a function of BMI. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 1091-1097.	1.3	77
64	Overweight: advancing our understanding of its impact on the knee and the hip. <i>Annals of the Rheumatic Diseases</i> , 2006, 66, 141-142.	0.9	34
65	Femorotibial and patellar cartilage loss in patients prior to total knee arthroplasty, heterogeneity, and correlation with alignment of the knee. <i>Annals of the Rheumatic Diseases</i> , 2006, 65, 69-73.	0.9	41
66	Effects of doxycycline on progression of osteoarthritis: Results of a randomized, placebo-controlled, double-blind trial. <i>Arthritis and Rheumatism</i> , 2005, 52, 2015-2025.	6.7	249
67	The natural history of anteroposterior laxity and its role in knee osteoarthritis progression. <i>Arthritis and Rheumatism</i> , 2005, 52, 2343-2349.	6.7	45
68	Delayed gadolinium-enhanced magnetic resonance imaging of cartilage in knee osteoarthritis: Findings at different radiographic stages of disease and relationship to malalignment. <i>Arthritis and Rheumatism</i> , 2005, 52, 3528-3535.	6.7	159
69	Hip abduction moment and protection against medial tibiofemoral osteoarthritis progression. <i>Arthritis and Rheumatism</i> , 2005, 52, 3515-3519.	6.7	241
70	Potential strategies to reduce medial compartment loading in patients with knee osteoarthritis of varying severity: Reduced walking speed. <i>Arthritis and Rheumatism</i> , 2004, 50, 1172-1178.	6.7	364
71	Varus-valgus alignment in the progression of patellofemoral osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 2184-2190.	6.7	138
72	Thrust during ambulation and the progression of knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 3897-3903.	6.7	199

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73	The role of proprioceptive deficits, ligamentous laxity, and malalignment in development and progression of knee osteoarthritis. <i>Journal of rheumatology Supplement, The</i> , 2004, 70, 87-92.	2.2	23
74	Examination of exercise effects on knee osteoarthritis outcomes: Why should the local mechanical environment be considered?. <i>Arthritis and Rheumatism</i> , 2003, 49, 255-260.	6.7	28
75	Physical functioning over three years in knee osteoarthritis: Role of psychosocial, local mechanical, and neuromuscular factors. <i>Arthritis and Rheumatism</i> , 2003, 48, 3359-3370.	6.7	398
76	Depressive symptoms and lower extremity functioning in men and women with peripheral arterial disease. <i>Journal of General Internal Medicine</i> , 2003, 18, 461-467.	2.6	98
77	Statin Use and Leg Functioning in Patients With and Without Lower-Extremity Peripheral Arterial Disease. <i>Circulation</i> , 2003, 107, 757-761.	1.6	205
78	Quadriceps Strength and Osteoarthritis Progression in Malaligned and Lax Knees. <i>Annals of Internal Medicine</i> , 2003, 138, 613.	3.9	259
79	Nonpharmacologic management of osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2002, 14, 603-607.	4.3	22
80	The influence of alignment on risk of knee osteoarthritis progression according to baseline stage of disease. <i>Arthritis and Rheumatism</i> , 2002, 46, 2632-2636.	6.7	267
81	Lower Extremity Performance Is Associated with Daily Life Physical Activity in Individuals with and without Peripheral Arterial Disease. <i>Journal of the American Geriatrics Society</i> , 2002, 50, 247-255.	2.6	75
82	Local factors in osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2001, 13, 441-446.	4.3	79
83	The Role of Knee Alignment in Disease Progression and Functional Decline in Knee Osteoarthritis. <i>JAMA - Journal of the American Medical Association</i> , 2001, 286, 188.	7.4	1,206
84	Effect of knee pain on joint loading in patients with osteoarthritis. <i>Current Opinion in Rheumatology</i> , 1999, 11, 422-426.	4.3	56
85	Impaired proprioception and osteoarthritis. <i>Current Opinion in Rheumatology</i> , 1997, 9, 253-258.	4.3	100
86	Exercise Programs for Seniors With Knee Osteoarthritis. <i>Clinical Journal of Sport Medicine</i> , 1997, 7, 231.	1.8	0
87	Decline of plasma growth hormone binding protein in old age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996, 81, 995-997.	3.6	23