

Leena Sharma

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

7,925
citations

47
h-index

89
g-index

89
ext. papers

8,869
ext. citations

5.1
avg, IF

6.13
L-index

#	Paper	IF	Citations
84	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, 188-95	27.4	980
83	Physical functioning over three years in knee osteoarthritis: role of psychosocial, local mechanical, and neuromuscular factors. <i>Arthritis and Rheumatism</i> , 2003 , 48, 3359-70		358
82	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, 1172-8		312
81	The relationship between specific tissue lesions and pain severity in persons with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2006 , 14, 1033-40	6.2	269
80	Varus and valgus alignment and incident and progressive knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1940-5	2.4	254
79	Quadriceps strength and osteoarthritis progression in malaligned and lax knees. <i>Annals of Internal Medicine</i> , 2003 , 138, 613-9	8	223
78	The influence of alignment on risk of knee osteoarthritis progression according to baseline stage of disease. <i>Arthritis and Rheumatism</i> , 2002 , 46, 2632-6		220
77	Relationship of meniscal damage, meniscal extrusion, malalignment, and joint laxity to subsequent cartilage loss in osteoarthritic knees. <i>Arthritis and Rheumatism</i> , 2008 , 58, 1716-26		214
76	Effects of doxycycline on progression of osteoarthritis: results of a randomized, placebo-controlled, double-blind trial. <i>Arthritis and Rheumatism</i> , 2005 , 52, 2015-25		211
75	Hip abduction moment and protection against medial tibiofemoral osteoarthritis progression. <i>Arthritis and Rheumatism</i> , 2005 , 52, 3515-9		197
74	Epidemiology of osteoarthritis: an update. <i>Current Opinion in Rheumatology</i> , 2006 , 18, 147-56	5.3	193
73	Statin use and leg functioning in patients with and without lower-extremity peripheral arterial disease. <i>Circulation</i> , 2003 , 107, 757-61	16.7	179
72	Thrust during ambulation and the progression of knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004 , 50, 3897-903		163
71	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, 355-62		159
70	Quadriceps weakness predicts risk for knee joint space narrowing in women in the MOST cohort. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 769-75	6.2	158
69	Objective physical activity measurement in the osteoarthritis initiative: Are guidelines being met?. <i>Arthritis and Rheumatism</i> , 2011 , 63, 3372-82		155
68	External knee adduction and flexion moments during gait and medial tibiofemoral disease progression in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 1099-106	6.2	144

67	Associations of borderline and low normal ankle-brachial index values with functional decline at 5-year follow-up: the WALCS (Walking and Leg Circulation Study). <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1056-62	15.1	142
66	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, 3528-35		142
65	The relationship between toe-out angle during gait and progression of medial tibiofemoral osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2007 , 66, 1271-5	2.4	131
64	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, 235-40	2.4	125
63	Varus-valgus alignment in the progression of patellofemoral osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004 , 50, 2184-90		118
62	Asymptomatic peripheral arterial disease is associated with more adverse lower extremity characteristics than intermittent claudication. <i>Circulation</i> , 2008 , 117, 2484-91	16.7	113
61	Physical activity levels and functional performance in the osteoarthritis initiative: a graded relationship. <i>Arthritis and Rheumatism</i> , 2011 , 63, 127-36		111
60	Lower extremity ischemia, calf skeletal muscle characteristics, and functional impairment in peripheral arterial disease. <i>Journal of the American Geriatrics Society</i> , 2007 , 55, 400-6	5.6	110
59	Epidemiology of osteoarthritis: an update. <i>Current Rheumatology Reports</i> , 2006 , 8, 7-15	4.9	109
58	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, 847-52	4.7	100
57	Osteoarthritis of the Knee. <i>New England Journal of Medicine</i> , 2021 , 384, 51-59	59.2	91
56	Sedentary behavior and physical function: objective evidence from the Osteoarthritis Initiative. <i>Arthritis Care and Research</i> , 2015 , 67, 366-73	4.7	89
55	Depressive symptoms and lower extremity functioning in men and women with peripheral arterial disease. <i>Journal of General Internal Medicine</i> , 2003 , 18, 461-7	4	85
54	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, 1733-9	2.4	83
53	Impaired proprioception and osteoarthritis. <i>Current Opinion in Rheumatology</i> , 1997 , 9, 253-8	5.3	80
52	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		74
51	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, 819-23	6.2	71
50	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, 247-55	5.6	68

49	Local factors in osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2001 , 13, 441-6	5.3	68
48	dGEMRIC as a function of BMI. <i>Osteoarthritis and Cartilage</i> , 2006 , 14, 1091-7	6.2	67
47	Significance of preradiographic magnetic resonance imaging lesions in persons at increased risk of knee osteoarthritis. <i>Arthritis and Rheumatology</i> , 2014 , 66, 1811-9	9.5	64
46	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	4.7	63
45	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, 1227-33	6.2	62
44	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, 1403-11		62
43	Osteoarthritis year in review 2015: clinical. <i>Osteoarthritis and Cartilage</i> , 2016 , 24, 36-48	6.2	59
42	Denuded subchondral bone and knee pain in persons with knee osteoarthritis. <i>Arthritis and Rheumatism</i> , 2009 , 60, 3703-10		58
41	Subchondral bone attrition may be a reflection of compartment-specific mechanical load: the MOST Study. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 841-4	2.4	55
40	Subregional effects of meniscal tears on cartilage loss over 2 years in knee osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2011 , 70, 74-9	2.4	53
39	Varus thrust and knee frontal plane dynamic motion in persons with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 1668-73	6.2	52
38	Effect of knee pain on joint loading in patients with osteoarthritis. <i>Current Opinion in Rheumatology</i> , 1999 , 11, 422-6	5.3	49
37	Moving to maintain function in knee osteoarthritis: evidence from the osteoarthritis initiative. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010 , 91, 714-21	2.8	42
36	Medial-to-lateral ratio of tibiofemoral subchondral bone area is adapted to alignment and mechanical load. <i>Calcified Tissue International</i> , 2009 , 84, 186-94	3.9	42
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. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 2191-2198	6.2	39
34	Physical activity, alignment and knee osteoarthritis: data from MOST and the OAI. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 789-95	6.2	38
33	The natural history of anteroposterior laxity and its role in knee osteoarthritis progression. <i>Arthritis and Rheumatism</i> , 2005 , 52, 2343-9		38
32	Varus Thrust and Incident and Progressive Knee Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2017 , 69, 2136-2143	9.5	37

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, 1827-32	2.4	37
30	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, 1437-46		36
29	Within-subregion relationship between bone marrow lesions and subsequent cartilage loss in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2010 , 62, 198-203	4.7	34
28	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	2.4	34
27	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, 459-65	2.2	33
26	Factors associated with pain experience outcome in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2014 , 66, 1828-35	4.7	31
25	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, 1542-9	6.2	30
24	Varus-valgus alignment: reduced risk of subsequent cartilage loss in the less loaded compartment. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1002-9		30
23	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	4.7	28
22	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, 1250-7	6.2	28
21	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, 1630-6	2.4	26
20	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, 1942-51	8	26
19	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	6.2	25
18	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	6.2	25
17	Superficial femoral artery plaque and functional performance in peripheral arterial disease: walking and leg circulation study (WALCS III). <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 730-9	8.4	25
16	Examination of exercise effects on knee osteoarthritis outcomes: why should the local mechanical environment be considered?. <i>Arthritis and Rheumatism</i> , 2003 , 49, 255-60		24
15	Examining Timeliness of Total Knee Replacement Among Patients with Knee Osteoarthritis in the U.S.: Results from the OAI and MOST Longitudinal Cohorts. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, 468-476	5.6	23
14	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	4.7	23

13	Decline of plasma growth hormone binding protein in old age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 995-997	5.6	21
12	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		21
11	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	6.2	20
10	Relationship of meeting physical activity guidelines with health-related utility. <i>Arthritis Care and Research</i> , 2014 , 66, 1041-7	4.7	18
9	Knee Instability and Basic and Advanced Function Decline in Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2015 , 67, 1095-102	4.7	17
8	Nonpharmacologic management of osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2002 , 14, 603-7	5.3	17
7	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	6.2	11
6	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	6.2	8
5	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	4.7	7
4	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	4.7	6
3	Comment on: Varus malalignment negates the structure-modifying benefits of doxycycline in obese women with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 1006-7	6.2	4
2	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	2.4	3
1	Is Lamellar Cartilage Composition as Determined by T2 Relaxometry Associated with Incident and Worsening of Cartilage or Bone Marrow Abnormalities?. <i>Cartilage</i> , 2020 , 1947603520932197	3	1