Michael C Nevitt

List of Publications by Year
in descending order

110 papers	14,527 citations	66343 42 h-index	25787 108 g-index
110 all docs	110 docs citations	110 times ranked	10812 citing authors

#	Article	IF	Citations
1	Risk Factors for Hip Fracture in White Women. New England Journal of Medicine, 1995, 332, 767-773.	27.0	3,296
2	Vertebral fracture assessment using a semiquantitative technique. Journal of Bone and Mineral Research, 1993, 8, 1137-1148.	2.8	2,842
3	Forgetting Falls. Journal of the American Geriatrics Society, 1988, 36, 613-616.	2.6	670
4	Comparison of semiquantitative visual and quantitative morphometric assessment of prevalent and incident vertebral fractures in osteoporosis. Journal of Bone and Mineral Research, 1996, 11, 984-996.	2.8	558
5	Type of Fall and Risk of Hip and Wrist Fractures: The Study of Osteoporotic Fractures. Journal of the American Geriatrics Society, 1993, 41, 1226-1234.	2.6	505
6	Axial and appendicular bone density predict fractures in older women. Journal of Bone and Mineral Research, 1992, 7, 633-638.	2.8	447
7	Risk for Fracture in Women with Low Serum Levels of Thyroid-Stimulating Hormone. Annals of Internal Medicine, 2001, 134, 561.	3.9	415
8	Prevalent Vertebral Deformities Predict Mortality and Hospitalization in Older Women with Low Bone Mass. Journal of the American Geriatrics Society, 2000, 48, 241-249.	2.6	395
9	Hip and calcaneal bone loss increase with advancing age: Longitudinal results from the study of osteoporotic fractures. Journal of Bone and Mineral Research, 1995, 10, 1778-1787.	2.8	327
10	Comparison of methods for defining prevalent vertebral deformities: The study of osteoporotic fractures. Journal of Bone and Mineral Research, 1995, 10, 890-902.	2.8	226
11	Race and Sex Effects on the Association Between Muscle Strength, Soft Tissue, and Bone Mineral Density in Healthy Elders: The Health, Aging, and Body Composition Study. Journal of Bone and Mineral Research, 2001, 16, 1343-1352.	2.8	210
12	Predictors of ankle and foot fractures in older women. Journal of Bone and Mineral Research, 1996, 11, 1347-1355.	2.8	199
13	Predictive validity of biochemical biomarkers in knee osteoarthritis: data from the FNIH OA Biomarkers Consortium. Annals of the Rheumatic Diseases, 2017, 76, 186-195.	0.9	187
14	Calcium for Prevention of Osteoporotic Fractures in Postmenopausal Women. Journal of Bone and Mineral Research, 1997, 12, 1321-1329.	2.8	184
15	Bone Mineral Density and Blood Flow to the Lower Extremities: The Study of Osteoporotic Fractures. Journal of Bone and Mineral Research, 1997, 12, 283-289.	2.8	183
16	Defining Incident Vertebral Deformity: A Prospective Comparison of Several Approaches. Journal of Bone and Mineral Research, 1999, 14, 90-101.	2.8	166
17	Sensitivity and sensitisation in relation to pain severity in knee osteoarthritis: trait or state?. Annals of the Rheumatic Diseases, 2015, 74, 682-688.	0.9	158
18	Biomarkers for osteoarthritis: Current position and steps towards further validation. Best Practice and Research in Clinical Rheumatology, 2014, 28, 61-71.	3.3	155

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19	Biochemical Markers of Bone Turnover and Prediction of Hip Bone Loss in Older Women: The Study of Osteoporotic Fractures. Journal of Bone and Mineral Research, 1999, 14, 1404-1410.	2.8	151
20	Vertebral Fractures in Beijing, China: The Beijing Osteoporosis Project. Journal of Bone and Mineral Research, 2000, 15, 2019-2025.	2.8	130
21	Aspirin and NSAID use in older women: Effect on bone mineral density and fracture risk. Journal of Bone and Mineral Research, 1996, 11, 29-35.	2.8	129
22	Development of a Physical Performance and Mobility Examination. Journal of the American Geriatrics Society, 1994, 42, 743-749.	2.6	123
23	Bone Mineral Density and Aortic Calcification: The Study of Osteoporotic Fractures. Journal of the American Geriatrics Society, 1997, 45, 140-145.	2.6	123
24	Risk Factors for a First-Incident Radiographic Vertebral Fracture in Women â‰¥65 Years of Age: The Study of Osteoporotic Fractures. Journal of Bone and Mineral Research, 2005, 20, 131-140.	2.8	120
25	Association of hip pain with radiographic evidence of hip osteoarthritis: diagnostic test study. BMJ, The, 2015, 351, h5983.	6.0	119
26	Early T2 changes predict onset of radiographic knee osteoarthritis: data from the osteoarthritis initiative. Annals of the Rheumatic Diseases, 2015, 74, 1353-1359.	0.9	114
27	The Multicenter Osteoarthritis Study: Opportunities for Rehabilitation Research. PM and R, 2013, 5, 647-654.	1.6	112
28	Daily Walking and the Risk of Incident Functional Limitation in Knee Osteoarthritis: An Observational Study. Arthritis Care and Research, 2014, 66, 1328-1336.	3.4	111
29	A meta-analysis of genome-wide association studies identifies novel variants associated with osteoarthritis of the hip. Annals of the Rheumatic Diseases, 2014, 73, 2130-2136.	0.9	108
30	Evaluation of the Usefulness of Consensus Definitions of Sarcopenia in Older Men: Results from the Observational Osteoporotic Fractures in Men Cohort Study. Journal of the American Geriatrics Society, 2015, 63, 2247-2259.	2.6	97
31	Longitudinal validation of periarticular bone area and 3D shape as biomarkers for knee OA progression? Data from the FNIH OA Biomarkers Consortium. Annals of the Rheumatic Diseases, 2016, 75, 1607-1614.	0.9	95
32	Strength, Physical Activity, and Body Mass Index: Relationship to Performanceâ€Based Measures and Activities of Daily Living Among Older Japanese Women in Hawaii. Journal of the American Geriatrics Society, 1998, 46, 274-279.	2.6	92
33	Functional Status and Mobility Among Elderly Women with Lower Extremity Arterial Disease: The Study of Osteoporotic Fractures. Journal of the American Geriatrics Society, 1994, 42, 923-929.	2.6	89
34	Rheumatoid arthritis and bone mineral density in elderly women. Journal of Bone and Mineral Research, 1995, 10, 257-263.	2.8	89
35	Vitamin D Deficiency Is Associated with Progression of Knee Osteoarthritis. Journal of Nutrition, 2014, 144, 2002-2008.	2.9	77
36	Low Thyrotropin Levels Are Not Associated with Bone Loss in Older Women: A Prospective Study*. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 2931-2936.	3.6	76

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37	Is Weight Loss Associated with Less Progression of Changes in Knee Articular Cartilage among Obese and Overweight Patients as Assessed with MR Imaging over 48 Months? Data from the Osteoarthritis Initiative. Radiology, 2017, 284, 508-520.	7.3	57
38	Development and Validation of a Multitask Deep Learning Model for Severity Grading of Hip Osteoarthritis Features on Radiographs. Radiology, 2020, 295, 136-145.	7.3	57
39	A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1177-1183.	3.6	54
40	SPECIAL POPULATIONS IN GERIATRICS. Journal of the American Geriatrics Society, 1999, 47, 1371-1378.	2.6	53
41	Knee Osteoarthritis and Frailty: Findings From the Multicenter Osteoarthritis Study and Osteoarthritis Initiative. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 339-344.	3.6	52
42	Semi-quantitative MRI biomarkers of knee osteoarthritis progression in the FNIH biomarkers consortium cohortâ€‰â^'â€‰Methodologic aspects and definition of change. BMC Musculoskeletal Disorders, 2016, 17, 466.	1.9	48
43	Knee osteoarthritis and time-to all-cause mortality in six community-based cohorts: an international meta-analysis of individual participant-level data. Aging Clinical and Experimental Research, 2021, 33, 529-545.	2.9	48
44	Genome-wide association and functional studies identify a role forIGFBP3in hip osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, 1861-1867.	0.9	47
45	Examining Timeliness of Total Knee Replacement Among Patients with Knee Osteoarthritis in the U.S.. Journal of Bone and Joint Surgery - Series A, 2020, 102, 468-476.	3.0	43
46	Tool for osteoarthritis risk prediction (TOARP) over 8 years using baseline clinical data, Xâ€ray, and MRI: Data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2018, 47, 1517-1526.	3.4	41
47	Weight loss over 48 months is associated with reduced progression of cartilage T2 relaxation time values: Data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2015, 41, 1272-1280.	3.4	40
48	Clinical significance of worsening versus stable preradiographic MRI lesions in a cohort study of persons at higher risk for knee osteoarthritis. Annals of the Rheumatic Diseases, 2016, 75, 1630-1636.	0.9	40
49	The Diagnostic Performance of Anterior Knee Pain and Activity-related Pain in Identifying Knees with Structural Damage in the Patellofemoral Joint: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2014, 41, 1695-1702.	2.0	39
50	Running does not increase symptoms or structural progression in people with knee osteoarthritis: data from the osteoarthritis initiative. Clinical Rheumatology, 2018, 37, 2497-2504.	2.2	38
51	Relationship of knee pain to time in moderate and light physical activities: Data from Osteoarthritis Initiative. Seminars in Arthritis and Rheumatism, 2018, 47, 683-688.	3.4	38
52	Comparison of tibiofemoral joint space width measurements from standing CT and fixed flexion radiography. Journal of Orthopaedic Research, 2017, 35, 1388-1395.	2.3	37
53	Obesity Outcomes in Disease Management: Clinical Outcomes for Osteoarthritis. Obesity, 2002, 10, 33S-37S.	4.0	34
54	Vitamin K Status and Lower Extremity Function in Older Adults: The Health Aging and Body Composition Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1348-1355.	3.6	32

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55	Radiographic Knee Osteoarthritis and Knee Pain: Cross-sectional study from Five Different Racial/Ethnic Populations. Scientific Reports, 2018, 8, 1364.	3.3	30
56	Meniscal Root Tears and Extrusion Are Significantly Associated with the Development of Accelerated Knee Osteoarthritis: Data from the Osteoarthritis Initiative. Cartilage, 2021, 13, 239S-248S.	2.7	26
57	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T₂ relaxation time measurements: Data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2018, 47, 380-390.	3.4	25
58	Obese and overweight individuals have greater knee synovial inflammation and associated structural and cartilage compositional degeneration: data from the osteoarthritis initiative. Skeletal Radiology, 2021, 50, 217-229.	2.0	25
59	No Association between Daily Walking and Knee Structural Changes in People at Risk of or with Mild Knee Osteoarthritis. Prospective Data from the Multicenter Osteoarthritis Study. Journal of Rheumatology, 2015, 42, 1685-1693.	2.0	23
60	A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 72, glw227.	3.6	22
61	Diabetics show accelerated progression of knee cartilage and meniscal lesions: data from the osteoarthritis initiative. Skeletal Radiology, 2019, 48, 919-930.	2.0	22
62	Can Signal Abnormalities Detected with MR Imaging in Knee Articular Cartilage Be Used to Predict Development of Morphologic Cartilage Defects? 48-Month Data from the Osteoarthritis Initiative. Radiology, 2016, 281, 158-167.	7.3	21
63	Evaluation of Chondrocalcinosis and Associated Knee Joint Degeneration Using MR Imaging: Data from the Osteoarthritis Initiative. European Radiology, 2017, 27, 2497-2506.	4.5	21
64	Hyperintense signal alteration in the suprapatellar fat pad on MRI is associated with degeneration of the patellofemoral joint over 48Âmonths: data from the Osteoarthritis Initiative. Skeletal Radiology, 2018, 47, 329-339.	2.0	21
65	One Hour a Week: Moving to Prevent Disability in Adults With Lower Extremity Joint Symptoms. American Journal of Preventive Medicine, 2019, 56, 664-672.	3.0	21
66	Degeneration in ACL Injured Knees with and without Reconstruction in Relation to Muscle Size and Fat Contentâ€"Data from the Osteoarthritis Initiative. PLoS ONE, 2016, 11, e0166865.	2.5	20
67	Sleep Quality Is Related to Worsening Knee Pain in Those with Widespread Pain: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2020, 47, 1019-1025.	2.0	20
68	Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Men. Journal of Clinical Densitometry, 2014, 17, 449-457.	1.2	19
69	Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Women. Journal of Clinical Densitometry, 2014, 17, 378-385.	1.2	19
70	The Effect of Widespread Pain on Knee Pain Worsening, Incident Knee Osteoarthritis (OA), and Incident Knee Pain: The Multicenter OA (MOST) Study. Journal of Rheumatology, 2017, 44, 493-498.	2.0	17
71	Determining a Threshold of Medial Meniscal Extrusion for Prediction of Knee Pain and Cartilage Damage Progression Over 4 Years: Data From the Osteoarthritis Initiative. American Journal of Roentgenology, 2021, 216, 1318-1328.	2.2	16
72	Association of weight change with progression of meniscal intrasubstance degeneration over 48 months: Data from the Osteoarthritis Initiative. European Radiology, 2018, 28, 953-962.	4.5	15

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73	Defining and evaluating a novel outcome measure representing end-stage knee osteoarthritis: data from the Osteoarthritis Initiative. Clinical Rheumatology, 2016, 35, 2523-2530.	2.2	14
74	Modeling the shape and composition of the human body using dual energy X-ray absorptiometry images. PLoS ONE, 2017, 12, e0175857.	2.5	14
75	Heterogeneity of cartilage damage in Kellgren and Lawrence grade 2 and 3 knees: the MOST study. Osteoarthritis and Cartilage, 2022, 30, 714-723.	1.3	14
76	Restricting Branched-Chain Amino Acids within a High-Fat Diet Prevents Obesity. Metabolites, 2022, 12, 334.	2.9	14
77	MRI findings associated with development of incident knee pain over 48Âmonths: data from the osteoarthritis initiative. Skeletal Radiology, 2016, 45, 653-660.	2.0	13
78	Association between current medication use and progression of radiographic knee osteoarthritis: data from the osteoarthritis initiative. Rheumatology, 2021, 60, 4624-4632.	1.9	13
79	Lower Quadriceps Rate of Force Development Is Associated With Worsening Physical Function in Adults With or at Risk for Knee Osteoarthritis: 36-Month Follow-Up Data From the Osteoarthritis Initiative. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1352-1359.	0.9	12
80	Is treated HIV infection associated with knee cartilage degeneration and structural changes? A longitudinal study using data from the osteoarthritis initiative. BMC Musculoskeletal Disorders, 2019, 20, 190.	1.9	12
81	Longitudinal MRI structural findings observed in accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. Skeletal Radiology, 2019, 48, 1949-1959.	2.0	11
82	Medial femur T₂ Zâ€scores predict the probability of knee structural worsening over 4â€“8 years: Data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2017, 46, 1128-1136.	3.4	10
83	Occupation and risk of knee osteoarthritis and knee replacement: A longitudinal, multiple-cohort study. Seminars in Arthritis and Rheumatism, 2020, 50, 1006-1014.	3.4	10
84	Phenylalanine Is a Novel Marker for Radiographic Knee Osteoarthritis Progression: The MOST Study. Journal of Rheumatology, 2021, 48, 123-128.	2.0	10
85	Recreational Physical Activity and Risk of Incident Knee Osteoarthritis: An International <scp>Metaâ€Analysis</scp> of Individual Participantâ€“Level Data. Arthritis and Rheumatology, 2022, 74, 612-622.	5.6	10
86	Impact of Sustained Synovitis on Knee Joint Structural Degeneration: <scp>4â€Year MRI</scp> Data from the Osteoarthritis Initiative. Journal of Magnetic Resonance Imaging, 2023, 57, 153-164.	3.4	10
87	Conservatively treated knee injury is associated with knee cartilage matrix degeneration measured with MRI-based T2 relaxation times: data from the osteoarthritis initiative. Skeletal Radiology, 2018, 47, 93-106.	2.0	9
88	Effects of Weight Change on Knee and Hip Radiographic Measurements and Pain Over Four Years: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2023, 75, 860-868.	3.4	9
89	Association of blood pressure with knee cartilage composition and structural knee abnormalities: data from the osteoarthritis initiative. Skeletal Radiology, 2020, 49, 1359-1368.	2.0	8
90	Opioid users show worse baseline knee osteoarthritis and faster progression of degenerative changes: a retrospective case-control study based on data from the Osteoarthritis Initiative (OAI). Arthritis Research and Therapy, 2021, 23, 146.	3.5	8

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91	Predictors of a change in patient willingness to have Total knee arthroplasty: Insights from the osteoarthritis initiative. Knee, 2020, 27, 667-675.	1.6	7
92	Can Change in Prolonged Walking Be Inferred From a Short Test of Gait Speed Among Older Adults Who Are Initially Well-Functioning?. Physical Therapy, 2014, 94, 1285-1293.	2.4	6
93	Football Increases Future Risk of Symptomatic Radiographic Knee Osteoarthritis. Medicine and Science in Sports and Exercise, 2020, 52, 795-800.	0.4	6
94	The relationship of threeâ€dimensional joint space width on weightâ€bearing CT with pain and physical function. Journal of Orthopaedic Research, 2020, 38, 1333-1339.	2.3	6
95	Central osteophytes develop in cartilage with abnormal structure and composition: data from the Osteoarthritis Initiative cohort. Skeletal Radiology, 2019, 48, 1357-1365.	2.0	5
96	Introduction of an MR-based semi-quantitative score for assessing partial meniscectomy and relation to knee joint degenerative disease: data from the Osteoarthritis Initiative. European Radiology, 2019, 29, 3262-3272.	4.5	5
97	Jointâ€adjacent Adipose Tissue by <scp>MRI</scp> is Associated With Prevalence and Progression of Knee Degenerative Changes: Data from the Osteoarthritis Initiative. Journal of Magnetic Resonance Imaging, 2021, 54, 155-165.	3.4	5
98	Natural history of new horizontal meniscal tears in individuals at risk for and with mild to moderate osteoarthritis: data from osteoarthritis initiative. European Radiology, 2020, 30, 5971-5980.	4.5	4
99	Weight Cycling and Knee Joint Degeneration in Individuals with Overweight or Obesity: Fourâ€Year Magnetic Resonance Imaging Data from the Osteoarthritis Initiative. Obesity, 2021, 29, 909-918.	3.0	4
100	Association Between Self-Reported Prior Wrist Fractures and Risk of Subsequent Hip and Radiographic Vertebral Fractures in Older Women: A Prospective Study. Journal of Bone and Mineral Research, 2005, 20, 100-106.	2.8	4
101	Validation of a new symptom outcome for knee osteoarthritis: the Ambulation Adjusted Score for Knee pain. Clinical Rheumatology, 2019, 38, 851-858.	2.2	3
102	Psychological and Pain Sensitization Characteristics Are Associated With Patellofemoral Osteoarthritis Symptoms: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2020, 47, 1696-1703.	2.0	3
103	Cartilage degeneration post-meniscectomy performed for degenerative disease versus trauma: data from the Osteoarthritis Initiative. Skeletal Radiology, 2020, 49, 231-240.	2.0	2
104	Sports with a Bat or Racket are Not Associated with Thumb-base Osteoarthritis. Journal of Athletic Training, 2021, , .	1.8	2
105	Foot and ankle pain and risk of incident knee osteoarthritis and knee pain: Data from the Multicentre Osteoarthritis Study. Osteoarthritis and Cartilage Open, 2021, 3, 100210.	2.0	2
106	Relationship of Patellofemoral Osteoarthritis to Changes in Performance-based Physical Function Over 7 Years: The Multicenter Osteoarthritis Study. Journal of Rheumatology, 2022, 49, 98-103.	2.0	1
107	The Association of Parity with Greater Dynamic Pronation of the Feet. PM and R, 2021, 13, 144-152.	1.6	1
108	Association between hamstring coactivation during isokinetic quadriceps strength testing and knee cartilage worsening over 24Âmonths. Osteoarthritis and Cartilage, 2022, , .	1.3	1

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109	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T₂ relaxation time measurements: Data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2018, 47, spcone.	3.4	0
110	Vitamin K Status and Structural Knee Osteoarthritis Characteristics in Communityâ€Dwelling Adults: The Healthy Aging and Body Composition Study. FASEB Journal, 2013, 27, 635.4.	0.5	0