

# Michael C Nevitt

## List of Publications by Year in descending order

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110  
papers

14,527  
citations

66315

42  
h-index

25770

108  
g-index

110  
all docs

110  
docs citations

110  
times ranked

10812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Weight Change on Knee and Hip Radiographic Measurements and Pain Over Four Years: Data From the Osteoarthritis Initiative. <i>Arthritis Care and Research</i> , 2023, 75, 860-868.	1.5	9
2	Impact of Sustained Synovitis on Knee Joint Structural Degeneration: <sc>4-Year MRI</sc> Data from the Osteoarthritis Initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 153-164.	1.9	10
3	Relationship of Patellofemoral Osteoarthritis to Changes in Performance-based Physical Function Over 7 Years: The Multicenter Osteoarthritis Study. <i>Journal of Rheumatology</i> , 2022, 49, 98-103.	1.0	1
4	Recreational Physical Activity and Risk of Incident Knee Osteoarthritis: An International <sc>Meta-Analysis</sc> of Individual Participant-â€Level Data. <i>Arthritis and Rheumatology</i> , 2022, 74, 612-622.	2.9	10
5	Heterogeneity of cartilage damage in Kellgren and Lawrence grade 2 and 3 knees: the MOST study. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 714-723.	0.6	14
6	Association between hamstring coactivation during isokinetic quadriceps strength testing and knee cartilage worsening over 24 months. <i>Osteoarthritis and Cartilage</i> , 2022, , .	0.6	1
7	Restricting Branched-Chain Amino Acids within a High-Fat Diet Prevents Obesity. <i>Metabolites</i> , 2022, 12, 334.	1.3	14
8	Meniscal Root Tears and Extrusion Are Significantly Associated with the Development of Accelerated Knee Osteoarthritis: Data from the Osteoarthritis Initiative. <i>Cartilage</i> , 2021, 13, 239S-248S.	1.4	26
9	Phenylalanine Is a Novel Marker for Radiographic Knee Osteoarthritis Progression: The MOST Study. <i>Journal of Rheumatology</i> , 2021, 48, 123-128.	1.0	10
10	Determining a Threshold of Medial Meniscal Extrusion for Prediction of Knee Pain and Cartilage Damage Progression Over 4 Years: Data From the Osteoarthritis Initiative. <i>American Journal of Roentgenology</i> , 2021, 216, 1318-1328.	1.0	16
11	Obese and overweight individuals have greater knee synovial inflammation and associated structural and cartilage compositional degeneration: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2021, 50, 217-229.	1.2	25
12	Association between current medication use and progression of radiographic knee osteoarthritis: data from the osteoarthritis initiative. <i>Rheumatology</i> , 2021, 60, 4624-4632.	0.9	13
13	Joint-adjacent Adipose Tissue by <sc>MRI</sc> is Associated With Prevalence and Progression of Knee Degenerative Changes: Data from the Osteoarthritis Initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 155-165.	1.9	5
14	Knee osteoarthritis and time-to all-cause mortality in six community-based cohorts: an international meta-analysis of individual participant-level data. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 529-545.	1.4	48
15	Weight Cycling and Knee Joint Degeneration in Individuals with Overweight or Obesity: Four-Year Magnetic Resonance Imaging Data from the Osteoarthritis Initiative. <i>Obesity</i> , 2021, 29, 909-918.	1.5	4
16	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). <i>Arthritis Research and Therapy</i> , 2021, 23, 146.	1.6	8
17	Sports with a Bat or Racket are Not Associated with Thumb-base Osteoarthritis. <i>Journal of Athletic Training</i> , 2021, , .	0.9	2
18	Foot and ankle pain and risk of incident knee osteoarthritis and knee pain: Data from the Multicentre Osteoarthritis Study. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100210.	0.9	2

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19	The Association of Parity with Greater Dynamic Pronation of the Feet. <i>PM and R</i> , 2021, 13, 144-152.	0.9	1
20	Cartilage degeneration post-meniscectomy performed for degenerative disease versus trauma: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2020, 49, 231-240.	1.2	2
21	Football Increases Future Risk of Symptomatic Radiographic Knee Osteoarthritis. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 795-800.	0.2	6
22	The relationship of three-dimensional joint space width on weight-bearing CT with pain and physical function. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1333-1339.	1.2	6
23	Sleep Quality Is Related to Worsening Knee Pain in Those with Widespread Pain: The Multicenter Osteoarthritis Study. <i>Journal of Rheumatology</i> , 2020, 47, 1019-1025.	1.0	20
24	Occupation and risk of knee osteoarthritis and knee replacement: A longitudinal, multiple-cohort study. <i>Seminars in Arthritis and Rheumatism</i> , 2020, 50, 1006-1014.	1.6	10
25	Natural history of new horizontal meniscal tears in individuals at risk for and with mild to moderate osteoarthritis: data from osteoarthritis initiative. <i>European Radiology</i> , 2020, 30, 5971-5980.	2.3	4
26	Association of blood pressure with knee cartilage composition and structural knee abnormalities: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2020, 49, 1359-1368.	1.2	8
27	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.	1.4	43
28	Psychological and Pain Sensitization Characteristics Are Associated With Patellofemoral Osteoarthritis Symptoms: The Multicenter Osteoarthritis Study. <i>Journal of Rheumatology</i> , 2020, 47, 1696-1703.	1.0	3
29	Predictors of a change in patient willingness to have Total knee arthroplasty: Insights from the osteoarthritis initiative. <i>Knee</i> , 2020, 27, 667-675.	0.8	7
30	Development and Validation of a Multitask Deep Learning Model for Severity Grading of Hip Osteoarthritis Features on Radiographs. <i>Radiology</i> , 2020, 295, 136-145.	3.6	57
31	Longitudinal MRI structural findings observed in accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2019, 48, 1949-1959.	1.2	11
32	Is treated HIV infection associated with knee cartilage degeneration and structural changes? A longitudinal study using data from the osteoarthritis initiative. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 190.	0.8	12
33	One Hour a Week: Moving to Prevent Disability in Adults With Lower Extremity Joint Symptoms. <i>American Journal of Preventive Medicine</i> , 2019, 56, 664-672.	1.6	21
34	Central osteophytes develop in cartilage with abnormal structure and composition: data from the Osteoarthritis Initiative cohort. <i>Skeletal Radiology</i> , 2019, 48, 1357-1365.	1.2	5
35	Validation of a new symptom outcome for knee osteoarthritis: the Ambulation Adjusted Score for Knee pain. <i>Clinical Rheumatology</i> , 2019, 38, 851-858.	1.0	3
36	Introduction of an MR-based semi-quantitative score for assessing partial meniscectomy and relation to knee joint degenerative disease: data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2019, 29, 3262-3272.	2.3	5

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37	Diabetics show accelerated progression of knee cartilage and meniscal lesions: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2019, 48, 919-930.	1.2	22
38	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. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1352-1359.	0.5	12
39	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T <sub>2</sub> relaxation time measurements: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, spcone.	1.9	0
40	Radiographic Knee Osteoarthritis and Knee Pain: Cross-sectional study from Five Different Racial/Ethnic Populations. <i>Scientific Reports</i> , 2018, 8, 1364.	1.6	30
41	Running does not increase symptoms or structural progression in people with knee osteoarthritis: data from the osteoarthritis initiative. <i>Clinical Rheumatology</i> , 2018, 37, 2497-2504.	1.0	38
42	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T <sub>2</sub> relaxation time measurements: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 380-390.	1.9	25
43	Relationship of knee pain to time in moderate and light physical activities: Data from Osteoarthritis Initiative. <i>Seminars in Arthritis and Rheumatism</i> , 2018, 47, 683-688.	1.6	38
44	Association of weight change with progression of meniscal intrasubstance degeneration over 48 months: Data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2018, 28, 953-962.	2.3	15
45	Hyperintense signal alteration in the suprapatellar fat pad on MRI is associated with degeneration of the patellofemoral joint over 48 months: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2018, 47, 329-339.	1.2	21
46	Conservatively treated knee injury is associated with knee cartilage matrix degeneration measured with MRI-based T2 relaxation times: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2018, 47, 93-106.	1.2	9
47	Tool for osteoarthritis risk prediction (TOARP) over 8 years using baseline clinical data, X-ray, and MRI: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1517-1526.	1.9	41
48	Predictive validity of biochemical biomarkers in knee osteoarthritis: data from the FNIH OA Biomarkers Consortium. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 186-195.	0.5	187
49	The Effect of Widespread Pain on Knee Pain Worsening, Incident Knee Osteoarthritis (OA), and Incident Knee Pain: The Multicenter OA (MOST) Study. <i>Journal of Rheumatology</i> , 2017, 44, 493-498.	1.0	17
50	Medial femur T <sub>2</sub> scores predict the probability of knee structural worsening over 4-8 years: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1128-1136.	1.9	10
51	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. <i>Radiology</i> , 2017, 284, 508-520.	3.6	57
52	Comparison of tibiofemoral joint space width measurements from standing CT and fixed flexion radiography. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1388-1395.	1.2	37
53	Evaluation of Chondrocalcinosis and Associated Knee Joint Degeneration Using MR Imaging: Data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2017, 27, 2497-2506.	2.3	21
54	Modeling the shape and composition of the human body using dual energy X-ray absorptiometry images. <i>PLoS ONE</i> , 2017, 12, e0175857.	1.1	14

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55	Degeneration in ACL Injured Knees with and without Reconstruction in Relation to Muscle Size and Fat Content—Data from the Osteoarthritis Initiative. PLoS ONE, 2016, 11, e0166865.	1.1	20
56	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.	1.7	22
57	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.	3.6	21
58	Semi-quantitative MRI biomarkers of knee osteoarthritis progression in the FNIH biomarkers consortium cohort—Methodologic aspects and definition of change. BMC Musculoskeletal Disorders, 2016, 17, 466.	0.8	48
59	Defining and evaluating a novel outcome measure representing end-stage knee osteoarthritis: data from the Osteoarthritis Initiative. Clinical Rheumatology, 2016, 35, 2523-2530.	1.0	14
60	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.	1.7	32
61	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.	1.7	54
62	MRI findings associated with development of incident knee pain over 48 months: data from the osteoarthritis initiative. Skeletal Radiology, 2016, 45, 653-660.	1.2	13
63	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.	0.5	95
64	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.	0.5	40
65	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.	1.3	97
66	Association of hip pain with radiographic evidence of hip osteoarthritis: diagnostic test study. BMJ, The, 2015, 351, h5983.	3.0	119
67	Sensitivity and sensitisation in relation to pain severity in knee osteoarthritis: trait or state?. Annals of the Rheumatic Diseases, 2015, 74, 682-688.	0.5	158
68	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.	1.0	23
69	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.	1.9	40
70	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.	1.7	52
71	Early T2 changes predict onset of radiographic knee osteoarthritis: data from the osteoarthritis initiative. Annals of the Rheumatic Diseases, 2015, 74, 1353-1359.	0.5	114
72	Genome-wide association and functional studies identify a role for IGFBP3 in hip osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, 1861-1867.	0.5	47

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73	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. <i>Journal of Rheumatology</i> , 2014, 41, 1695-1702.	1.0	39
74	Can Change in Prolonged Walking Be Inferred From a Short Test of Gait Speed Among Older Adults Who Are Initially Well-Functioning?. <i>Physical Therapy</i> , 2014, 94, 1285-1293.	1.1	6
75	A meta-analysis of genome-wide association studies identifies novel variants associated with osteoarthritis of the hip. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 2130-2136.	0.5	108
76	Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Men. <i>Journal of Clinical Densitometry</i> , 2014, 17, 449-457.	0.5	19
77	Vitamin D Deficiency Is Associated with Progression of Knee Osteoarthritis. <i>Journal of Nutrition</i> , 2014, 144, 2002-2008.	1.3	77
78	Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Women. <i>Journal of Clinical Densitometry</i> , 2014, 17, 378-385.	0.5	19
79	Daily Walking and the Risk of Incident Functional Limitation in Knee Osteoarthritis: An Observational Study. <i>Arthritis Care and Research</i> , 2014, 66, 1328-1336.	1.5	111
80	Biomarkers for osteoarthritis: Current position and steps towards further validation. <i>Best Practice and Research in Clinical Rheumatology</i> , 2014, 28, 61-71.	1.4	155
81	The Multicenter Osteoarthritis Study: Opportunities for Rehabilitation Research. <i>PM and R</i> , 2013, 5, 647-654.	0.9	112
82	Vitamin K Status and Structural Knee Osteoarthritis Characteristics in Community-dwelling Adults: The Healthy Aging and Body Composition Study. <i>FASEB Journal</i> , 2013, 27, 635.4.	0.2	0
83	Risk Factors for a First-Incident Radiographic Vertebral Fracture in Women ≥65 Years of Age: The Study of Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 131-140.	3.1	120
84	Association Between Self-Reported Prior Wrist Fractures and Risk of Subsequent Hip and Radiographic Vertebral Fractures in Older Women: A Prospective Study. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 100-106.	3.1	4
85	Obesity Outcomes in Disease Management: Clinical Outcomes for Osteoarthritis. <i>Obesity</i> , 2002, 10, 33S-37S.	4.0	34
86	Risk for Fracture in Women with Low Serum Levels of Thyroid-Stimulating Hormone. <i>Annals of Internal Medicine</i> , 2001, 134, 561.	2.0	415
87	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. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1343-1352.	3.1	210
88	Prevalent Vertebral Deformities Predict Mortality and Hospitalization in Older Women with Low Bone Mass. <i>Journal of the American Geriatrics Society</i> , 2000, 48, 241-249.	1.3	395
89	Vertebral Fractures in Beijing, China: The Beijing Osteoporosis Project. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 2019-2025.	3.1	130
90	Defining Incident Vertebral Deformity: A Prospective Comparison of Several Approaches. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 90-101.	3.1	166

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91	Biochemical Markers of Bone Turnover and Prediction of Hip Bone Loss in Older Women: The Study of Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1404-1410.	3.1	151
92	SPECIAL POPULATIONS IN GERIATRICS. <i>Journal of the American Geriatrics Society</i> , 1999, 47, 1371-1378.	1.3	53
93	Strength, Physical Activity, and Body Mass Index: Relationship to Performance-Based Measures and Activities of Daily Living Among Older Japanese Women in Hawaii. <i>Journal of the American Geriatrics Society</i> , 1998, 46, 274-279.	1.3	92
94	Low Thyrotropin Levels Are Not Associated with Bone Loss in Older Women: A Prospective Study*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 2931-2936.	1.8	76
95	Bone Mineral Density and Aortic Calcification: The Study of Osteoporotic Fractures. <i>Journal of the American Geriatrics Society</i> , 1997, 45, 140-145.	1.3	123
96	Bone Mineral Density and Blood Flow to the Lower Extremities: The Study of Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 283-289.	3.1	183
97	Calcium for Prevention of Osteoporotic Fractures in Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1321-1329.	3.1	184
98	Aspirin and NSAID use in older women: Effect on bone mineral density and fracture risk. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 29-35.	3.1	129
99	Comparison of semiquantitative visual and quantitative morphometric assessment of prevalent and incident vertebral fractures in osteoporosis. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 984-996.	3.1	558
100	Predictors of ankle and foot fractures in older women. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1347-1355.	3.1	199
101	Risk Factors for Hip Fracture in White Women. <i>New England Journal of Medicine</i> , 1995, 332, 767-773.	13.9	3,296
102	Rheumatoid arthritis and bone mineral density in elderly women. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 257-263.	3.1	89
103	Comparison of methods for defining prevalent vertebral deformities: The study of osteoporotic fractures. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 890-902.	3.1	226
104	Hip and calcaneal bone loss increase with advancing age: Longitudinal results from the study of osteoporotic fractures. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1778-1787.	3.1	327
105	Functional Status and Mobility Among Elderly Women with Lower Extremity Arterial Disease: The Study of Osteoporotic Fractures. <i>Journal of the American Geriatrics Society</i> , 1994, 42, 923-929.	1.3	89
106	Development of a Physical Performance and Mobility Examination. <i>Journal of the American Geriatrics Society</i> , 1994, 42, 743-749.	1.3	123
107	Type of Fall and Risk of Hip and Wrist Fractures: The Study of Osteoporotic Fractures. <i>Journal of the American Geriatrics Society</i> , 1993, 41, 1226-1234.	1.3	505
108	Vertebral fracture assessment using a semiquantitative technique. <i>Journal of Bone and Mineral Research</i> , 1993, 8, 1137-1148.	3.1	2,842

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109	Axial and appendicular bone density predict fractures in older women. Journal of Bone and Mineral Research, 1992, 7, 633-638.	3.1	447
110	Forgetting Falls. Journal of the American Geriatrics Society, 1988, 36, 613-616.	1.3	670