

# Dawn A Aitken

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

2,692  
citations

172457

29  
h-index

206112

48  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zoledronic acid reduces knee pain and bone marrow lesions over 1 year: a randomised controlled trial. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1322-1328.	0.9	234
2	Natural history and clinical significance of MRI-detected bone marrow lesions at the knee: a prospective study in community dwelling older adults. <i>Arthritis Research and Therapy</i> , 2010, 12, R223.	3.5	118
3	Operational definitions of sarcopenia and their associations with 5-year changes in falls risk in community-dwelling middle-aged and older adults. <i>Osteoporosis International</i> , 2014, 25, 187-193.	3.1	113
4	A randomised double-blind placebo-controlled crossover trial of HUMira (adalimumab) for erosive hand Osteoarthritis – the HUMOR trial. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 880-887.	1.3	104
5	Bone marrow lesions predict site-specific cartilage defect development and volume loss: a prospective study in older adults. <i>Arthritis Research and Therapy</i> , 2010, 12, R222.	3.5	96
6	Sarcopenic obesity and dynapenic obesity: 5-year associations with falls risk in middle-aged and older adults. <i>Obesity</i> , 2014, 22, 1568-1574.	3.0	95
7	Fish oil in knee osteoarthritis: a randomised clinical trial of low dose versus high dose. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 23-29.	0.9	95
8	The association between objectively measured physical activity and knee structural change using MRI. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1170-1175.	0.9	91
9	Accelerometer-determined physical activity, muscle mass, and leg strength in community-dwelling older adults. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 275-283.	7.3	85
10	Infrapatellar fat pad in the knee: is local fat good or bad for knee osteoarthritis?. <i>Arthritis Research and Therapy</i> , 2014, 16, R145.	3.5	80
11	Signal intensity alteration in the infrapatellar fat pad at baseline for the prediction of knee symptoms and structure in older adults: a cohort study. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1783-1788.	0.9	75
12	Lysophosphatidylcholines to phosphatidylcholines ratio predicts advanced knee osteoarthritis. <i>Rheumatology</i> , 2016, 55, 1566-1574.	1.9	68
13	Effectiveness of <i>Curcuma longa</i> Extract for the Treatment of Symptoms and Effusion – Synovitis of Knee Osteoarthritis. <i>Annals of Internal Medicine</i> , 2020, 173, 861-869.	3.9	68
14	The association between leptin, interleukin-6, and hip radiographic osteoarthritis in older people: a cross-sectional study. <i>Arthritis Research and Therapy</i> , 2010, 12, R95.	3.5	63
15	Effect of Intravenous Zoledronic Acid on Tibiofemoral Cartilage Volume Among Patients With Knee Osteoarthritis With Bone Marrow Lesions. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1456.	7.4	59
16	Longitudinal associations between dietary inflammatory index and musculoskeletal health in community-dwelling older adults. <i>Clinical Nutrition</i> , 2020, 39, 516-523.	5.0	49
17	Light physical activity is positively associated with cognitive performance in older community dwelling adults. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 877-882.	1.3	48
18	Depression in patients with knee osteoarthritis: risk factors and associations with joint symptoms. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 40.	1.9	47

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19	Correlates of Subchondral BMD: A Cross-Sectional Study. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 2007-2015.	2.8	46
20	Subchondral bone and cartilage damage: A prospective study in older adults. <i>Arthritis and Rheumatism</i> , 2010, 62, 1967-1973.	6.7	46
21	Prospective associations of osteosarcopenia and osteodysplasia with incident fracture and mortality over 10 years in community-dwelling older adults. <i>Archives of Gerontology and Geriatrics</i> , 2019, 82, 67-73.	3.0	43
22	Cross-sectional and longitudinal associations between systemic, subchondral bone mineral density and knee cartilage thickness in older adults with or without radiographic osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 2003-2009.	0.9	41
23	Maintaining Vitamin D Sufficiency Is Associated with Improved Structural and Symptomatic Outcomes in Knee Osteoarthritis. <i>American Journal of Medicine</i> , 2017, 130, 1211-1218.	1.5	39
24	Vitamin D and Physical Activity Status: Associations With Five-Year Changes in Body Composition and Muscle Function in Community-Dwelling Older Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 670-678.	3.6	38
25	A longitudinal study of the association between dietary factors, serum lipids, and bone marrow lesions of the knee. <i>Arthritis Research and Therapy</i> , 2012, 14, R13.	3.5	37
26	Hip Shape as a Predictor of Osteoarthritis Progression in a Prospective Population Cohort. <i>Arthritis Care and Research</i> , 2017, 69, 1566-1573.	3.4	34
27	Activation of The Phosphatidylcholine to Lysophosphatidylcholine Pathway Is Associated with Osteoarthritis Knee Cartilage Volume Loss Over Time. <i>Scientific Reports</i> , 2019, 9, 9648.	3.3	34
28	Hypointense signals in the infrapatellar fat pad assessed by magnetic resonance imaging are associated with knee symptoms and structure in older adults: a cohort study. <i>Arthritis Research and Therapy</i> , 2016, 18, 234.	3.5	33
29	Factors associated with physical activity promotion by allied and other non-medical health professionals: A systematic review. <i>Patient Education and Counseling</i> , 2018, 101, 1775-1785.	2.2	33
30	Predictors of pain severity trajectory in older adults: a 10.7-year follow-up study. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1619-1626.	1.3	32
31	The association between physical activity and reduced body fat lessens with age – Results from a cross-sectional study in community-dwelling older adults. <i>Experimental Gerontology</i> , 2014, 55, 107-112.	2.8	30
32	The Association Between Hip Muscle Cross-Sectional Area, Muscle Strength, and Bone Mineral Density. <i>Calcified Tissue International</i> , 2014, 95, 64-72.	3.1	28
33	Effect of Zoledronic Acid and Denosumab in Patients With Low Back Pain and Modic Change: A Proof-of-Principle Trial. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 773-782.	2.8	28
34	A population-based study of the association between hip bone marrow lesions, high cartilage signal, and hip and knee pain. <i>Clinical Rheumatology</i> , 2014, 33, 369-376.	2.2	23
35	Vitamin D supplementation and inflammatory and metabolic biomarkers in patients with knee osteoarthritis: a post hoc analysis of a randomised controlled trial. <i>British Journal of Nutrition</i> , 2018, 120, 41-48.	2.3	22
36	A protocol for a multicentre, randomised, double-blind, placebo-controlled trial to compare the effect of annual infusions of zoledronic acid to placebo on knee structural change and knee pain over 24 months in knee osteoarthritis patients – ZAP2. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 217.	1.9	22

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37	A pilot study of the reproducibility and validity of measuring knee subchondral bone density in the tibia. <i>Osteoarthritis and Cartilage</i> , 2008, 16, 1539-1544.	1.3	21
38	The clinical significance, natural history and predictors of bone marrow lesion change over eight years. <i>Arthritis Research and Therapy</i> , 2014, 16, R149.	3.5	21
39	Effect of Vitamin D Supplementation on Depressive Symptoms in Patients With Knee Osteoarthritis. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1634-1640.e1.	2.5	21
40	A family history of knee joint replacement increases the progression of knee radiographic osteoarthritis and medial tibial cartilage volume loss over 10 years. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 203-209.	1.3	20
41	Natural history and clinical significance of meniscal tears over 8 years in a midlife cohort. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 4.	1.9	20
42	The association between ambulatory activity, body composition and hip or knee joint replacement due to osteoarthritis: a prospective cohort study. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 671-679.	1.3	18
43	Differentiating knee pain phenotypes in older adults: a prospective cohort study. <i>Rheumatology</i> , 2019, 58, 274-283.	1.9	18
44	Correlates of Hip Cartilage Defects: A Cross-sectional Study in Older Adults. <i>Journal of Rheumatology</i> , 2016, 43, 1406-1412.	2.0	16
45	Association Between Quantitatively Measured Infrapatellar Fat Pad High Signal Intensity Alteration and Magnetic Resonance Imaging Assessed Progression of Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2019, 71, 638-646.	3.4	16
46	Prospective associations of low muscle mass and strength with health-related quality of life over 10-year in community-dwelling older adults. <i>Experimental Gerontology</i> , 2019, 118, 65-71.	2.8	15
47	Incidence and predictors of fractures in older adults with and without obesity defined by body mass index versus body fat percentage. <i>Bone</i> , 2020, 140, 115546.	2.9	15
48	Restricting Branched-Chain Amino Acids within a High-Fat Diet Prevents Obesity. <i>Metabolites</i> , 2022, 12, 334.	2.9	14
49	Osteoarthritis bone marrow lesions at the knee and large artery characteristics. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 91-94.	1.3	12
50	Longitudinal Associations of Serum 25-hydroxyvitamin D, Physical Activity, and Knee Pain and Dysfunction with Muscle Loss in Community-dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 526-531.	3.6	12
51	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. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 410-417.	1.3	12
52	Longitudinal study of the relationship between physical activity and knee pain and functional limitation in community-dwelling older adults. <i>Archives of Gerontology and Geriatrics</i> , 2020, 90, 104101.	3.0	11
53	Physical Activity and Osteoarthritis of the Knee: Can MRI Scans Shed More Light on This Issue?. <i>Physician and Sportsmedicine</i> , 2011, 39, 55-61.	2.1	10
54	Pain at Multiple Sites Is Associated With Prevalent and Incident Fractures in Older Adults. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2012-2018.	2.8	10

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55	Quantification of hip effusion-synovitis and its cross-sectional and longitudinal associations with hip pain, MRI findings and early radiographic hip OA. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 533.	1.9	10
56	Vitamin D deficiency in Tasmania: a whole of life perspective. <i>Internal Medicine Journal</i> , 2012, 42, 1137-1144.	0.8	9
57	The association between hip bone marrow lesions and bone mineral density: a cross-sectional and longitudinal population-based study. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 1545-1549.	1.3	9
58	The optimal dosage regimen of vitamin D supplementation for correcting deficiency in adolescents: a pilot randomized controlled trial. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 534-540.	2.9	9
59	Zoledronic acid plus methylprednisolone versus zoledronic acid or placebo in symptomatic knee osteoarthritis: a randomized controlled trial. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2019, 11, 1759720X1988005.	2.7	9
60	The association between change in bone marrow lesion size and change in tibiofemoral cartilage volume and knee symptoms. <i>Rheumatology</i> , 2021, 60, 2791-2800.	1.9	9
61	Responsiveness of Magnetic Resonance Imaging-derived Measures Over 2.7 Years. <i>Journal of Rheumatology</i> , 2014, 41, 2060-2067.	2.0	8
62	Ambulatory activity interacts with common risk factors for osteoarthritis to modify increases in MRI-detected osteophytes. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 650-658.	1.3	8
63	Correlation Between Changes in Global Knee Structures Assessed by Magnetic Resonance Imaging and Radiographic Osteoarthritis Changes Over Ten Years in a Midlife Cohort. <i>Arthritis Care and Research</i> , 2016, 68, 958-964.	3.4	7
64	Predictors of Beagley's Gibson skin cast grade in older adults. <i>Skin Research and Technology</i> , 2017, 23, 235-242.	1.6	7
65	Higher Serum Levels of Resistin Are Associated With Knee Synovitis and Structural Abnormalities in Patients With Symptomatic Knee Osteoarthritis. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1242-1246.	2.5	7
66	Associations between socioeconomic status and obesity, sarcopenia, and sarcopenic obesity in community-dwelling older adults: The Tasmanian Older Adult Cohort Study. <i>Experimental Gerontology</i> , 2021, 156, 111627.	2.8	7
67	Does cartilage volume measurement or radiographic osteoarthritis at baseline independently predict ten-year cartilage volume loss?. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 54.	1.9	6
68	Linear and Nonlinear Associations Between Physical Activity, Body Composition, and Multimorbidity Over 10 Years Among Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 2015-2020.	3.6	6
69	Association between hip and knee cartilage measured using radiographs and magnetic resonance imaging: the Tasmanian Older Adult Cohort Study. <i>Rheumatology</i> , 2013, 52, 2009-2015.	1.9	5
70	The association of knee structural pathology with pain at the knee is modified by pain at other sites in those with knee osteoarthritis. <i>Clinical Rheumatology</i> , 2017, 36, 2549-2555.	2.2	5
71	Patellar tendon enthesis abnormalities and their association with knee pain and structural abnormalities in older adults. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 449-458.	1.3	5
72	Comparison of radiographic and MRI osteoarthritis definitions and their combination for prediction of tibial cartilage loss, knee symptoms and total knee replacement: a longitudinal study. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1062-1070.	1.3	5

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73	The association of subchondral and systemic bone mineral density with osteoarthritis-related joint replacements in older adults. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 438-445.	1.3	5
74	What factors are associated with physical activity promotion in the podiatry setting? A cross-sectional study. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 60-66.	1.3	5
75	Hand Examination, Ultrasound, and the Association With Hand Pain and Function in Community-Based Older Adults. <i>Arthritis Care and Research</i> , 2021, 73, 347-354.	3.4	5
76	Population Vitamin D Stores Are Increasing in Tasmania, and This Is Associated With Less BMD Loss Over 10 Years. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e2995-e3004.	3.6	5
77	Understanding the management of osteoarthritis: A qualitative study of GPs and orthopaedic surgeons in Tasmania, Australia. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100218.	2.0	5
78	Serum Metabolomic Signatures for Knee Cartilage Volume Loss over 10 Years in Community-Dwelling Older Adults. <i>Life</i> , 2022, 12, 869.	2.4	5
79	History of knee injury and MRI-assessed knee structures in middle- and older-aged adults: a cross-sectional study. <i>Clinical Rheumatology</i> , 2015, 34, 1463-1472.	2.2	4
80	Longitudinal associations between serum 25-hydroxyvitamin D, physical activity, knee pain and dysfunction and physiological falls risk in community-dwelling older adults. <i>Experimental Gerontology</i> , 2018, 104, 72-77.	2.8	4
81	Do Older Adults with Low Muscle Mass or Strength, in the Presence of Obesity, Have an Increased Risk of Joint Replacement Over 13 Years?. <i>Calcified Tissue International</i> , 2020, 107, 10-17.	3.1	4
82	Cross-sectional and temporal differences in health-related quality of life of people with and without osteoarthritis: a 10-year prospective study. <i>Rheumatology</i> , 2021, 60, 3352-3359.	1.9	4
83	How Do MRI-Detected Subchondral Bone Marrow Lesions (BMLs) on Two Different MRI Sequences Correlate with Clinically Important Outcomes?. <i>Calcified Tissue International</i> , 2018, 103, 131-143.	3.1	3
84	Clinical Overview of Osteoarthritis (OA) and the Challenges Faced for Future Management. , 2019, , .		3
85	The impact of comorbidities on health-related quality of life of people with osteoarthritis over 10 years. <i>Rheumatology</i> , 2021, , .	1.9	3
86	Metabolomic signatures for the longitudinal reduction of muscle strength over 10 years. <i>Skeletal Muscle</i> , 2022, 12, 4.	4.2	3
87	A systematic review and meta-analysis of health state utility values for osteoarthritis-related conditions. <i>Arthritis Care and Research</i> , 2020, , .	3.4	2
88	Identifying subgroups of community-dwelling older adults and their prospective associations with long-term knee osteoarthritis outcomes. <i>Clinical Rheumatology</i> , 2020, 39, 1429-1437.	2.2	1
89	Association between socioeconomic status and joint replacement of the hip and knee: a population-based cohort study of older adults in Tasmania. <i>Internal Medicine Journal</i> , 2022, 52, 265-271.	0.8	1
90	Reply Letter to the Editor: Knee joint replacement and individual susceptibility for progression of knee osteoarthritis and tibial cartilage volume loss: not only genes run in the family. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1819-1820.	1.3	0

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91	THU0467â€¦DOES GENERALISED PAIN AND LOCALISED PAIN SEVERITY INCREASE RISK OF PREVALENT AND INCIDENT FRACTURES IN OLDER ADULTS?. , 2019, , .		0
92	A Systematic Review of the Evolution of Healthâ€Economic Evaluation Models of Osteoarthritis. Arthritis Care and Research, 2020, 73, 1617-1627.	3.4	0
93	Clinical relevance of MRI knee abnormalities in Australian rules football players: a longitudinal study. BMJ Open Sport and Exercise Medicine, 2021, 7, e001097.	2.9	0
94	Effect of zoledronic acid with or without methylprednisolone on 3D bone area and bone shape in patients with symptomatic knee osteoarthritis: A post-hoc analysis of the ZAP2 trial. Seminars in Arthritis and Rheumatism, 2022, 56, 152054.	3.4	0