

Adrian Sayers

List of Publications by Year in descending order

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104
papers

4,768
citations

126907

33
h-index

102487

66
g-index

107
all docs

107
docs citations

107
times ranked

7108
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. <i>Nature</i> , 2015, 526, 112-117.	27.8	483
2	How long does a knee replacement last? A systematic review and meta-analysis of case series and national registry reports with more than 15 years of follow-up. <i>Lancet, The</i> , 2019, 393, 655-663.	13.7	412
3	How long does a hip replacement last? A systematic review and meta-analysis of case series and national registry reports with more than 15 years of follow-up. <i>Lancet, The</i> , 2019, 393, 647-654.	13.7	354
4	WNT16 Influences Bone Mineral Density, Cortical Bone Thickness, Bone Strength, and Osteoporotic Fracture Risk. <i>PLoS Genetics</i> , 2012, 8, e1002745.	3.5	240
5	Falling Threshold for Treatment of Borderline Elevated Thyrotropin Levels—Balancing Benefits and Risks. <i>JAMA Internal Medicine</i> , 2014, 174, 32.	5.1	240
6	Probabilistic record linkage. <i>International Journal of Epidemiology</i> , 2016, 45, 954-964.	1.9	139
7	Association of maternal vitamin D status during pregnancy with bone-mineral content in offspring: a prospective cohort study. <i>Lancet, The</i> , 2013, 381, 2176-2183.	13.7	137
8	Epidemiology of generalized joint laxity (hypermobility) in fourteen-year-old children from the UK: A population-based evaluation. <i>Arthritis and Rheumatism</i> , 2011, 63, 2819-2827.	6.7	128
9	Preoperative widespread pain sensitization and chronic pain after hip and knee replacement. <i>Pain</i> , 2015, 156, 47-54.	4.2	116
10	Obesity is a risk factor for musculoskeletal pain in adolescents: Findings from a population-based cohort. <i>Pain</i> , 2012, 153, 1932-1938.	4.2	109
11	Genetic Determinants of Trabecular and Cortical Volumetric Bone Mineral Densities and Bone Microstructure. <i>PLoS Genetics</i> , 2013, 9, e1003247.	3.5	100
12	Trajectories of Pain and Function after Primary Hip and Knee Arthroplasty: The ADAPT Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0149306.	2.5	93
13	Estimated Maternal Ultraviolet B Exposure Levels in Pregnancy Influence Skeletal Development of the Child. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 765-771.	3.6	90
14	Primary therapy of Graves' disease and cardiovascular morbidity and mortality: a linked-record cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 278-287.	11.4	89
15	How Does Body Fat Influence Bone Mass in Childhood? A Mendelian Randomization Approach. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 522-533.	2.8	88
16	Habitual levels of high, but not moderate or low, impact activity are positively related to hip BMD and geometry: Results from a population-based study of adolescents. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1887-1895.	2.8	85
17	A comparison of interprofessional perceptions and working relationships among health and social care students: the results of a 3-year intervention. <i>Health and Social Care in the Community</i> , 2006, 14, 541-552.	1.6	82
18	Tips and tricks in performing a systematic review. <i>British Journal of General Practice</i> , 2008, 58, 136.1-136.	1.4	74

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19	Fecal Calprotectin and Lactoferrin as Noninvasive Markers of Pediatric Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 48, 48-54.	1.8	70
20	Fat Mass Exerts a Greater Effect on Cortical Bone Mass in Girls than Boys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 699-706.	3.6	70
21	Genome-Wide Association Meta-Analysis of Cortical Bone Mineral Density Unravels Allelic Heterogeneity at the RANKL Locus and Potential Pleiotropic Effects on Bone. <i>PLoS Genetics</i> , 2010, 6, e1001217.	3.5	69
22	The association of serum 25-hydroxyvitamin D ₃ and D ₂ with depressive symptoms in childhood – a prospective cohort study. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2012, 53, 757-766.	5.2	57
23	Using Mendelian randomization to investigate a possible causal relationship between adiposity and increased bone mineral density at different skeletal sites in children. <i>International Journal of Epidemiology</i> , 2016, 45, 1560-1572.	1.9	56
24	The association between the day of the week of milestones in the care pathway of patients with hip fracture and 30-day mortality: findings from a prospective national registry – The National Hip Fracture Database of England and Wales. <i>BMC Medicine</i> , 2017, 15, 62.	5.5	56
25	Associations of 25-Hydroxyvitamin D ₂ and D ₃ with Cardiovascular Risk Factors in Childhood: Cross-Sectional Findings from the Avon Longitudinal Study of Parents and Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 1563-1571.	3.6	49
26	Are competing risks models appropriate to describe implant failure?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 256-258.	3.3	49
27	Rest Pain and Movement-Induced Pain as Unique Constructs in Hip and Knee Replacements. <i>Arthritis Care and Research</i> , 2016, 68, 237-245.	3.4	48
28	Serial – Tips and tricks in performing a systematic review. <i>British Journal of General Practice</i> , 2007, 57, 999-999.	1.4	45
29	Adiponectin and its association with bone mass accrual in childhood. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2212-2220.	2.8	43
30	Collection and Reporting of Patient-reported Outcome Measures in Arthroplasty Registries: Multinational Survey and Recommendations. <i>Clinical Orthopaedics and Related Research</i> , 2021, 479, 2151-2166.	1.5	41
31	The association between insulin levels and cortical bone: Findings from a cross-sectional analysis of pQCT parameters in adolescents. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 610-618.	2.8	40
32	Paradoxical Relationship Between Body Mass Index and Thyroid Hormone Levels: A Study Using Mendelian Randomization. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 730-738.	3.6	40
33	Modelling height in adolescence: a comparison of methods for estimating the age at peak height velocity. <i>Annals of Human Biology</i> , 2017, 44, 715-722.	1.0	40
34	A meta-analysis of the associations between common variation in the PDE8B gene and thyroid hormone parameters, including assessment of longitudinal stability of associations over time and effect of thyroid hormone replacement. <i>European Journal of Endocrinology</i> , 2011, 164, 773-780.	3.7	36
35	The Association of Fasting Insulin, Glucose, and Lipids with Bone Mass in Adolescents: Findings from a Cross-Sectional Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 2068-2076.	3.6	35
36	Predicting ambient ultraviolet from routine meteorological data; its potential use as an instrumental variable for vitamin D status in pregnancy in a longitudinal birth cohort in the UK. <i>International Journal of Epidemiology</i> , 2009, 38, 1681-1688.	1.9	33

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37	Quantifying Habitual Levels of Physical Activity According to Impact in Older People: Accelerometry Protocol for the VIBE Study. <i>Journal of Aging and Physical Activity</i> , 2016, 24, 290-295.	1.0	30
38	The Association of 25-Hydroxyvitamin D3 and D2 with Behavioural Problems in Childhood. <i>PLoS ONE</i> , 2012, 7, e40097.	2.5	29
39	What are the inpatient and day case costs following primary total hip replacement of patients treated for prosthetic joint infection: a matched cohort study using linked data from the National Joint Registry and Hospital Episode Statistics. <i>BMC Medicine</i> , 2020, 18, 335.	5.5	28
40	The Arthroplasty Candidacy Help Engine tool to select candidates for hip and knee replacement surgery: development and economic modelling. <i>Health Technology Assessment</i> , 2019, 23, 1-216.	2.8	28
41	Serum 25-Hydroxyvitamin D3 and D2 and Non-Clinical Psychotic Experiences in Childhood. <i>PLoS ONE</i> , 2012, 7, e41575.	2.5	27
42	The association between surgical fixation of hip fractures within 24 hours and mortality. <i>Bone and Joint Journal</i> , 2021, 103-B, 1176-1186.	4.4	26
43	Association of serum 25-hydroxyvitamin D ₃ and D ₂ with academic performance in childhood: findings from a prospective birth cohort. <i>Journal of Epidemiology and Community Health</i> , 2012, 66, 1137-1142.	3.7	25
44	Associations of childhood 25-hydroxyvitamin D ₂ and D ₃ and cardiovascular risk factors in adolescence: prospective findings from the Avon Longitudinal Study of Parents and Children. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 281-290.	1.8	24
45	Does Bone Resorption Stimulate Periosteal Expansion? A Cross-Sectional Analysis of β -C-telopeptides of Type I Collagen (CTX), Genetic Markers of the RANKL Pathway, and Periosteal Circumference as Measured by pQCT. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1015-1024.	2.8	24
46	Applying an extended theoretical framework for data collection mode to health services research. <i>BMC Health Services Research</i> , 2010, 10, 180.	2.2	23
47	Evidence for a persistent, major excess in all cause admissions to hospital in children with type-1 diabetes: results from a large Welsh national matched community cohort study. <i>BMJ Open</i> , 2015, 5, e005644-e005644.	1.9	23
48	Motor Competence in Early Childhood Is Positively Associated With Bone Strength in Late Adolescence. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1089-1098.	2.8	23
49	Maturation in Serum Thyroid Function Parameters Over Childhood and Puberty: Results of a Longitudinal Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2508-2515.	3.6	23
50	Factors associated with implant survival following total hip replacement surgery: A registry study of data from the National Joint Registry of England, Wales, Northern Ireland and the Isle of Man. <i>PLoS Medicine</i> , 2020, 17, e1003291.	8.4	23
51	High impact activity is related to lean but not fat mass: findings from a population-based study in adolescents. <i>International Journal of Epidemiology</i> , 2012, 41, 1124-1131.	1.9	22
52	The high bone mass phenotype is characterised by a combined cortical and trabecular bone phenotype: Findings from a pQCT case-control study. <i>Bone</i> , 2013, 52, 380-388.	2.9	22
53	How long does a shoulder replacement last? A systematic review and meta-analysis of case series and national registry reports with more than 10 years of follow-up. <i>Lancet Rheumatology</i> , 2020, 2, e539-e548.	3.9	21
54	Investigation of Sex Differences in Hip Structure in Peripubertal Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3876-3883.	3.6	20

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55	Assessing the non-inferiority of prosthesis constructs used in total and unicompartmental knee replacements using data from the National Joint Registry of England, Wales, Northern Ireland and the Isle of Man: a benchmarking study. <i>BMJ Open</i> , 2019, 9, e026736.	1.9	20
56	25-Hydroxyvitamin-D3 levels are positively related to subsequent cortical bone development in childhood: findings from a large prospective cohort study. <i>Osteoporosis International</i> , 2012, 23, 2117-2128.	3.1	19
57	The Association of Body Mass Index with Risk of Long-Term Revision and 90-Day Mortality Following Primary Total Hip Replacement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 2140-2152.	3.0	19
58	How long do revised and multiply revised knee replacements last? A retrospective observational study of the National Joint Registry. <i>Lancet Rheumatology</i> , The, 2021, 3, e438-e446.	3.9	19
59	Prospective Association of 25-Hydroxyvitamin D3 and D2 with Childhood Lung Function, Asthma, Wheezing, and Flexural Dermatitis. <i>Epidemiology</i> , 2013, 24, 310-319.	2.7	18
60	Estimating an Individual's Probability of Revision Surgery After Knee Replacement: A Comparison of Modeling Approaches Using a National Data Set. <i>American Journal of Epidemiology</i> , 2018, 187, 2252-2262.	3.4	18
61	Improving patients' experience and outcome of total joint replacement: the RESTORE programme. <i>Programme Grants for Applied Research</i> , 2016, 4, 1-508.	1.0	18
62	Assessing the non-inferiority of prosthesis constructs used in hip replacement using data from the National Joint Registry of England, Wales, Northern Ireland and the Isle of Man: a benchmarking study. <i>BMJ Open</i> , 2019, 9, e026685.	1.9	17
63	Can 11 β -Hydroxysteroid Dehydrogenase Activity Predict the Sensitivity of Bone to Therapeutic Glucocorticoids in Inflammatory Bowel Disease?. <i>Calcified Tissue International</i> , 2011, 89, 246-251.	3.1	15
64	A unified multi-level model approach to assessing patient responsiveness including; return to normal, minimally important differences and minimal clinically important improvement for patient reported outcome measures. <i>BMJ Open</i> , 2017, 7, e014041.	1.9	15
65	How long do revised and multiply revised hip replacements last? A retrospective observational study of the National Joint Registry. <i>Lancet Rheumatology</i> , The, 2022, 4, e468-e479.	3.9	15
66	Determining the sample size required to establish whether a medical device is non-inferior to an external benchmark. <i>BMJ Open</i> , 2017, 7, e015397.	1.9	14
67	Does overstuffing of the patellofemoral joint in total knee arthroplasty have a significant effect on postoperative outcomes?. <i>Knee</i> , 2018, 25, 874-881.	1.6	13
68	Two-stage revision surgery for periprosthetic joint infection following total hip arthroplasty. <i>Annals of Translational Medicine</i> , 2019, 7, S261-S261.	1.7	12
69	JointCalc: A web-based personalised patient decision support tool for joint replacement. <i>International Journal of Medical Informatics</i> , 2020, 142, 104217.	3.3	12
70	Birth weight is positively related to bone size in adolescents but inversely related to cortical bone mineral density: Findings from a large prospective cohort study. <i>Bone</i> , 2014, 65, 77-82.	2.9	11
71	The association between cement type and the subsequent risk of revision surgery in primary total hip replacement. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 40-46.	3.3	11
72	Association between surgical volume and failure of primary total hip replacement in England and Wales: findings from a prospective national joint replacement register. <i>BMJ Open</i> , 2020, 10, e033045.	1.9	11

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73	How do Patient-reported Outcome Scores in International Hip and Knee Arthroplasty Registries Compare?. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 1884-1896.	1.5	11
74	Prediction of 90-day mortality after total hip arthroplasty. <i>Bone and Joint Journal</i> , 2021, 103-B, 469-478.	4.4	10
75	The risk of all-cause mortality, heart outcomes, cancer, and neurodegenerative disorders with cobalt-chrome-containing total hip arthroplasty implants. <i>Bone and Joint Journal</i> , 2022, 104-B, 359-367.	4.4	9
76	The association between surgeon grade and risk of revision following total hip arthroplasty. <i>Bone and Joint Journal</i> , 2022, 104-B, 341-351.	4.4	7
77	Effect of low thyroid hormone bioavailability on childhood cognitive development: data from the Avon Longitudinal Study of Parents and Children birth cohort. <i>Lancet, The</i> , 2014, 383, S100.	13.7	6
78	Validated repeatability of patient-reported outcome measures following primary total hip replacement: a mode of delivery comparison study with randomized sequencing. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 628-633.	3.3	6
79	The EQ-5D-3L administered by text message compared to the paper version for hard-to-reach populations in a rural South African trauma setting: a measurement equivalence study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 947-957.	2.4	6
80	IL-6 May Modulate the Skeletal Response to Glucocorticoids During Exacerbations of Inflammatory Bowel Disease. <i>Calcified Tissue International</i> , 2010, 86, 375-381.	3.1	5
81	A Metabolic Screen in Adolescents Reveals an Association Between Circulating Citrate and Cortical Bone Mineral Density. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1306-1313.	2.8	5
82	Analysis of change in patient-reported outcome measures with floor and ceiling effects using the multilevel Tobit model: a simulation study and an example from a National Joint Register using body mass index and the Oxford Hip Score. <i>BMJ Open</i> , 2020, 10, e033646.	1.9	4
83	Perceived occurrence of an adverse event affects patient-reported outcomes after total hip replacement. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 118.	1.9	4
84	A comparison of comorbidity measures for predicting mortality after elective hip and knee replacement: A cohort study of data from the National Joint Registry in England and Wales. <i>PLoS ONE</i> , 2021, 16, e0255602.	2.5	4
85	Understanding the uptake of new hip replacement implants in the UK: a cohort study using data from the National Joint Registry for England and Wales. <i>BMJ Open</i> , 2019, 9, e029572.	1.9	3
86	Personalized estimation of one-year mortality risk after elective hip or knee arthroplasty for osteoarthritis. <i>Bone and Joint Research</i> , 2020, 9, 808-820.	3.6	3
87	Association between surgeon grade and implant survival following hip and knee replacement: a systematic review and meta-analysis. <i>BMJ Open</i> , 2021, 11, e047882.	1.9	3
88	The Effect of Vigorous Physical Activity and Body Composition on Cortical Bone Mass in Adolescence. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 584-584.	2.8	2
89	A Comparison of the Surgical Practice of Potential Revision Outlier Joint Replacement Surgeons With Non-outliers: A Case Control Study From the National Joint Registry for England, Wales, Northern Ireland and the Isle of Man. <i>Journal of Arthroplasty</i> , 2021, 36, 1239-1245.e6.	3.1	2
90	Mortality associated with cemented and uncemented fixation of hemiarthroplasty and total hip replacement in the surgical management of intracapsular hip fractures: A systematic review and meta-analysis. <i>Injury</i> , 2022, 53, 2605-2616.	1.7	2

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91	Authors'™ response to Hartwig and Davies. International Journal of Epidemiology, 2016, 45, 1678-1679.	1.9	1
92	How might the longer-than-expected lifetimes of hip and knee replacements affect clinical practice?. Expert Review of Medical Devices, 2019, 16, 753-755.	2.8	1
93	Complications and adverse events of unicompartmental versus total knee replacement. Lancet Rheumatology, The, 2019, 1, e199-e200.	3.9	1
94	Benchmarking total hip replacement constructs using noninferiority analysis: the New Zealand joint registry study. BMC Musculoskeletal Disorders, 2021, 22, 719.	1.9	1
95	Estimated Maternal Ultraviolet B Exposure Levels in Pregnancy Influence Skeletal Development of the Child. Obstetrical and Gynecological Survey, 2009, 64, 448-449.	0.4	0
96	Knee and hip replacements and the risk of revision " Authors' reply. Lancet, The, 2019, 394, e31.	13.7	0
97	Re: Boeckstyns MEH, Merser S, Cool P. Reporting implant survival. J Hand Surg Eur. 2019, 44: 761-3. Journal of Hand Surgery: European Volume, 2020, 45, 205-206.	1.0	0
98	The risk of all-cause mortality, heart outcomes, cancer, and neurodegenerative disorders with cobalt-chrome-containing total hip arthroplasty implants. Bone and Joint Journal, 2022, , 1-9.	4.4	0
99	Title is missing!. , 2020, 17, e1003291.		0
100	Title is missing!. , 2020, 17, e1003291.		0
101	Title is missing!. , 2020, 17, e1003291.		0
102	Title is missing!. , 2020, 17, e1003291.		0
103	Title is missing!. , 2020, 17, e1003291.		0
104	Title is missing!. , 2020, 17, e1003291.		0