

Matthew L Costa

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,229
citations

218592

26
h-index

265120

42
g-index

105
all docs

105
docs citations

105
times ranked

2165
citing authors

#	ARTICLE	IF	CITATIONS
1	Percutaneous fixation with Kirschner wires versus volar locking plate fixation in adults with dorsally displaced fracture of distal radius: randomised controlled trial. <i>BMJ, The</i> , 2014, 349, g4807-g4807.	3.0	167
2	Effect of Negative Pressure Wound Therapy vs Standard Wound Management on 12-Month Disability Among Adults With Severe Open Fracture of the Lower Limb. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 2280.	3.8	137
3	Does teaching style matter? A randomised trial of group discussion versus lectures in orthopaedic undergraduate teaching. <i>Medical Education</i> , 2007, 41, 214-217.	1.1	100
4	UK DRAFFT: a randomised controlled trial of percutaneous fixation with Kirschner wires versus volar locking-plate fixation in the treatment of adult patients with a dorsally displaced fracture of the distal radius. <i>Health Technology Assessment</i> , 2015, 19, 1-124.	1.3	72
5	Evaluating recovery following hip fracture: a qualitative interview study of what is important to patients. <i>BMJ Open</i> , 2015, 5, e005406-e005406.	0.8	69
6	Coding algorithms for defining Charlson and Elixhauser co-morbidities in Read-coded databases. <i>BMC Medical Research Methodology</i> , 2019, 19, 115.	1.4	65
7	Total hip arthroplasty versus resurfacing arthroplasty in the treatment of patients with arthritis of the hip joint: single centre, parallel group, assessor blinded, randomised controlled trial. <i>BMJ, The</i> , 2012, 344, e2147-e2147.	3.0	64
8	Inequalities in use of total hip arthroplasty for hip fracture: population based study. <i>BMJ, The</i> , 2016, 353, i2021.	3.0	63
9	Surgery versus cast immobilisation for adults with a bicortical fracture of the scaphoid waist (SWIFFT): a pragmatic, multicentre, open-label, randomised superiority trial. <i>Lancet, The</i> , 2020, 396, 390-401.	6.3	62
10	The Achilles tendon total rupture score: a study of responsiveness, internal consistency and convergent validity on patients with acute Achilles tendon ruptures. <i>Health and Quality of Life Outcomes</i> , 2012, 10, 24.	1.0	57
11	Cemented or Uncemented Hemiarthroplasty for Intracapsular Hip Fracture. <i>New England Journal of Medicine</i> , 2022, 386, 521-530.	13.9	57
12	Effect of Locking Plate Fixation vs Intramedullary Nail Fixation on 6-Month Disability Among Adults With Displaced Fracture of the Distal Tibia. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1767.	3.8	55
13	A nationwide cohort study of slipped capital femoral epiphysis. <i>Archives of Disease in Childhood</i> , 2017, 102, 1132-1136.	1.0	51
14	Biomarkers of early stage osteoarthritis, rheumatoid arthritis and musculoskeletal health. <i>Scientific Reports</i> , 2015, 5, 9259.	1.6	47
15	The Effect of Achilles Tendon Lengthening on Ankle Dorsiflexion: A Cadaver Study. <i>Foot and Ankle International</i> , 2006, 27, 414-417.	1.1	46
16	A systematic review of early rehabilitation methods following a rupture of the Achilles tendon. <i>Physiotherapy</i> , 2012, 98, 24-32.	0.2	46
17	World Hip Trauma Evaluation (WHiTE): framework for embedded comprehensive cohort studies: Table A1. <i>BMJ Open</i> , 2016, 6, e011679.	0.8	43
18	Negative-pressure wound therapy versus standard dressings for adults with an open lower limb fracture: the WOLLF RCT. <i>Health Technology Assessment</i> , 2018, 22, 1-162.	1.3	42

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19	Plaster cast versus functional brace for non-surgical treatment of Achilles tendon rupture (UKSTAR): a multicentre randomised controlled trial and economic evaluation. <i>Lancet, The</i> , 2020, 395, 441-448.	6.3	41
20	Effect of Platelet-Rich Plasma Injection vs Sham Injection on Tendon Dysfunction in Patients With Chronic Midportion Achilles Tendinopathy. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 137.	3.8	41
21	Patient experience of long-term recovery after open fracture of the lower limb: a qualitative study using interviews in a community setting. <i>BMJ Open</i> , 2019, 9, e031261.	0.8	34
22	Total hip replacement and surface replacement for the treatment of pain and disability resulting from end-stage arthritis of the hip (review of technology appraisal guidance 2 and 44): systematic review and economic evaluation. <i>Health Technology Assessment</i> , 2015, 19, 1-668.	1.3	32
23	Hospital case volume and outcomes for proximal femoral fractures in the USA: an observational study. <i>BMJ Open</i> , 2016, 6, e010743.	0.8	31
24	Research priorities in fragility fractures of the lower limb and pelvis: a UK priority setting partnership with the James Lind Alliance. <i>BMJ Open</i> , 2018, 8, e023301.	0.8	31
25	The PAT randomized clinical trial. <i>Bone and Joint Journal</i> , 2020, 102-B, 310-318.	1.9	31
26	Does This Patient Have Hip Osteoarthritis?. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 2323.	3.8	30
27	Complications following hip fracture: Results from the World Hip Trauma Evaluation cohort study. <i>Injury</i> , 2020, 51, 1331-1336.	0.7	29
28	Total hip arthroplasty versus hemiarthroplasty for independently mobile older adults with intracapsular hip fractures. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 226.	0.8	28
29	Scaphoid Waist Internal Fixation for Fractures Trial (SWIFFT) protocol: a pragmatic multi-centre randomised controlled trial of cast treatment versus surgical fixation for the treatment of bi-cortical, minimally displaced fractures of the scaphoid waist in adults. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 248.	0.8	25
30	The Long-Term Outcome of Tendon Lengthening for Chronic Achilles Tendon Pain. <i>Foot and Ankle International</i> , 2006, 27, 672-676.	1.1	24
31	Protocol for a randomised controlled trial of standard wound management versus negative pressure wound therapy in the treatment of adult patients with an open fracture of the lower limb: UK Wound management of Open Lower Limb Fractures (UK WOLFF). <i>BMJ Open</i> , 2015, 5, e009087.	0.8	23
32	UK DRAFFT - A randomised controlled trial of percutaneous fixation with kirschner wires versus volar locking-plate fixation in the treatment of adult patients with a dorsally displaced fracture of the distal radius. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 201.	0.8	22
33	Comparison of hip function and quality of life of total hip arthroplasty and resurfacing arthroplasty in the treatment of young patients with arthritis of the hip joint at 5 years. <i>BMJ Open</i> , 2018, 8, e018849.	0.8	22
34	Prescribing and adherence to bone protection medications following hip fracture in the United Kingdom. <i>Bone and Joint Journal</i> , 2019, 101-B, 1402-1407.	1.9	22
35	Knee Fix or Replace Trial (KFORT): a randomized controlled feasibility study. <i>Bone and Joint Journal</i> , 2019, 101-B, 1408-1415.	1.9	18
36	Surgical site infection after hip fracture surgery. <i>Bone and Joint Research</i> , 2020, 9, 554-562.	1.3	18

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37	Research priorities for the management of broken bones of the upper limb in people over 50: a UK priority setting partnership with the James Lind Alliance. <i>BMJ Open</i> , 2019, 9, e030028.	0.8	17
38	Intramedullary nails versus distal locking plates for fracture of the distal femur: results from the Trial of Acute Femoral Fracture Fixation (TrAFFix) randomised feasibility study and process evaluation. <i>BMJ Open</i> , 2019, 9, e026810.	0.8	16
39	Chronic pain with neuropathic characteristics after surgery for major trauma to the lower limb: prevalence, predictors, and association with pain severity, disability, and quality of life in the UK WHIST trial. <i>Bone and Joint Journal</i> , 2021, 103-B, 1047-1054.	1.9	16
40	Intramedullary nail fixation versus locking plate fixation for adults with a fracture of the distal tibia: the UK FixDT RCT. <i>Health Technology Assessment</i> , 2018, 22, 1-148.	1.3	16
41	Measurement properties of the Disability Rating Index in patients undergoing hip replacement. <i>Rheumatology</i> , 2015, 54, 64-71.	0.9	15
42	Cast versus functional brace in the rehabilitation of patients treated for an ankle fracture: protocol for the UK study of ankle injury rehabilitation (AIR) multicentre randomised trial. <i>BMJ Open</i> , 2018, 8, e027242.	0.8	15
43	The Orthopaedic Trauma Society classification of open fractures. <i>Bone and Joint Journal</i> , 2020, 102-B, 1469-1474.	1.9	15
44	Does performance-based remuneration improve outcomes in the treatment of hip fracture?. <i>Bone and Joint Journal</i> , 2021, 103-B, 881-887.	1.9	15
45	The comprehensive cohort model in a pilot trial in orthopaedic trauma. <i>BMC Medical Research Methodology</i> , 2011, 11, 39.	1.4	14
46	In-Shoe Plantar Pressures Within Ankle-Foot Orthoses. <i>American Journal of Sports Medicine</i> , 2011, 39, 2679-2685.	1.9	13
47	A feasibility study of standard dressings versus negative-pressure wound therapy in the treatment of adult patients having surgical incisions for hip fractures: the WHISH randomized controlled trial. <i>Bone and Joint Journal</i> , 2021, 103-B, 755-761.	1.9	13
48	Use of cast immobilisation versus removable brace in adults with an ankle fracture: multicentre randomised controlled trial. <i>BMJ</i> , The, 2021, 374, n1506.	3.0	13
49	Randomised controlled trial of the sliding hip screw versus X-Bolt Dynamic Hip Plating System for the fixation of trochanteric fractures of the hip in adults: a protocol study for WHiTE 4 (WHiTE4). <i>BMJ Open</i> , 2018, 8, e019944.	0.8	12
50	Standard wound management versus negative-pressure wound therapy in the treatment of adult patients having surgical incisions for major trauma to the lower limb—a two-arm parallel group superiority randomised controlled trial: protocol for Wound Healing in Surgery for Trauma (WHIST). <i>BMJ Open</i> , 2018, 8, e022115.	0.8	12
51	Classification of open fractures: the need to modernize. <i>Bone and Joint Journal</i> , 2020, 102-B, 1431-1434.	1.9	12
52	A multicentre prospective randomized equivalence trial of a soft bandage and immediate discharge versus current treatment with rigid immobilization for torus fractures of the distal radius in children. <i>Bone & Joint Open</i> , 2020, 1, 214-221.	1.1	12
53	UK Fixation of Distal Tibia Fractures (UK FixDT): protocol for a randomised controlled trial of “locking” plate fixation versus intramedullary nail fixation in the treatment of adult patients with a displaced fracture of the distal tibia. <i>BMJ Open</i> , 2015, 5, e009162.	0.8	11
54	Wound Healing In Surgery for Trauma (WHIST): statistical analysis plan for a randomised controlled trial comparing standard wound management with negative pressure wound therapy. <i>Trials</i> , 2019, 20, 186.	0.7	11

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55	Cost-utility analysis of standard dressing compared with incisional negative-pressure wound therapy among patients with closed surgical wounds following major trauma to the lower limb. <i>Bone and Joint Journal</i> , 2020, 102-B, 1072-1081.	1.9	11
56	Surgical fixation compared with cast immobilisation for adults with a bicortical fracture of the scaphoid waist: the SWIFFT RCT. <i>Health Technology Assessment</i> , 2020, 24, 1-234.	1.3	11
57	Participation in a trial in the emergency situation: a qualitative study of patient experience in the UK WOLLF trial. <i>Trials</i> , 2018, 19, 328.	0.7	10
58	Surgical fixation with K-wires versus plaster casting in the treatment of dorsally displaced distal radius fractures: protocol for Distal Radius Acute Fracture Fixation Trial 2 (DRAFFT 2). <i>BMJ Open</i> , 2019, 9, e028474.	0.8	10
59	Monitoring activity of hip injury patients (MoHIP): a sub-study of the World Hip Trauma Evaluation observational cohort study. <i>Pilot and Feasibility Studies</i> , 2020, 6, 70.	0.5	10
60	A multicentre, randomized, parallel group, superiority study to compare the clinical effectiveness and cost-effectiveness of external frame versus internal locking plate for complete articular pilon fracture fixation in adults. <i>Bone & Joint Open</i> , 2021, 2, 150-163.	1.1	10
61	Plaster cast versus functional bracing for Achilles tendon rupture: the UKSTAR RCT. <i>Health Technology Assessment</i> , 2020, 24, 1-86.	1.3	10
62	Negative-pressure wound therapy compared with standard dressings following surgical treatment of major trauma to the lower limb: the WHiST RCT. <i>Health Technology Assessment</i> , 2020, 24, 1-86.	1.3	10
63	Suspected scaphoid injuries managed by MRI direct from the emergency department. <i>Bone & Joint Open</i> , 2021, 2, 447-453.	1.1	9
64	Randomised controlled feasibility trial of standard wound management versus negative-pressure wound therapy in the treatment of adult patients having surgical incisions for hip fractures. <i>BMJ Open</i> , 2018, 8, e020632.	0.8	9
65	Progressive functional exercise versus best practice advice for adults aged 50 years or over after ankle fracture: protocol for a pilot randomised controlled trial in the UK - the Ankle Fracture Treatment: Enhancing Rehabilitation (AFTER) study. <i>BMJ Open</i> , 2019, 9, e030877.	0.8	8
66	Retrograde intramedullary nail fixation compared with fixed-angle plate fixation for fracture of the distal femur: the TrAFFix feasibility RCT. <i>Health Technology Assessment</i> , 2019, 23, 1-132.	1.3	8
67	Surgical fixation with K-wires versus casting in adults with fracture of distal radius: DRAFFT2 multicentre randomised clinical trial. <i>BMJ</i> , The, 2022, 376, e068041.	3.0	8
68	A comparison of electronic and manual dynamometry and goniometry in patients with fracture of the distal radius and healthy participants. <i>Journal of Hand Therapy</i> , 2016, 29, 73-80.	0.7	7
69	Baseline quality of life in people with hip fracture: results from the multicentre WHiTE cohort study. <i>Bone and Joint Research</i> , 2020, 9, 468-476.	1.3	7
70	Cast versus functional brace in the rehabilitation of patients treated non-operatively for a rupture of the Achilles tendon: protocol for the UK study of tendo achilles rehabilitation (UK STAR) multi-centre randomised trial. <i>BMJ Open</i> , 2017, 7, e019628.	0.8	6
71	Woodcast versus standard casting material for the immobilization of nonoperatively treated distal radial fractures. <i>Bone and Joint Journal</i> , 2020, 102-B, 48-54.	1.9	6
72	A randomized clinical trial of low dose single antibiotic-loaded cement versus high dose dual antibiotic-loaded cement in patients receiving a hip hemiarthroplasty after fracture: A protocol for the WHiTE 8 COPAL study. <i>Bone & Joint Open</i> , 2021, 2, 72-78.	1.1	6

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73	Predicting patient-reported and objectively measured functional outcome 6 months after ankle fracture in people aged 60 years or over in the UK: prognostic model development and internal validation. <i>BMJ Open</i> , 2019, 9, e029813.	0.8	6
74	Statistical and health economic analysis plan for a randomized controlled trial of surgical fixation with K-wires versus plaster casting in the treatment of dorsally displaced distal radius fractures: DRAFFT2. <i>Bone & Joint Open</i> , 2020, 1, 245-252.	1.1	6
75	Cost-effectiveness of surgery versus cast immobilization for adults with a bicortical fracture of the scaphoid waist. <i>Bone and Joint Journal</i> , 2021, 103-B, 1277-1283.	1.9	5
76	A feasibility study to assess the design of a multicentre randomized controlled trial of the clinical and cost-effectiveness of a caregiving intervention for people following hip fracture surgery. <i>Bone & Joint Open</i> , 2021, 2, 909-920.	1.1	5
77	Trial of Acute Femoral Fracture Fixation (TrAFFix): study protocol for a randomised controlled feasibility trial. <i>Trials</i> , 2017, 18, 538.	0.7	4
78	Ankle injury rehabilitation (AIR): a feasibility randomised controlled trial comparing functional bracing to plaster cast in the treatment of adult ankle fractures. <i>Pilot and Feasibility Studies</i> , 2019, 5, 55.	0.5	4
79	Incisional Negative Pressure Wound Therapy After Surgery for Major Trauma-Related Fractures-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 2344.	3.8	4
80	Predicting fracture outcomes from clinical registry data using artificial intelligence supplemented models for evidence-informed treatment (PRAISE) study protocol. <i>PLoS ONE</i> , 2021, 16, e0257361.	1.1	4
81	A protocol for a feasibility randomised controlled trial to assess the difference between functional bracing and plaster cast for the treatment of ankle fractures. <i>Pilot and Feasibility Studies</i> , 2017, 3, 11.	0.5	3
82	Statistical significance and p-values. <i>Bone and Joint Journal</i> , 2019, 101-B, 1179-1183.	1.9	3
83	The findings of a surgical hip fracture trial were generalizable to the UK national hip fracture database. <i>Journal of Clinical Epidemiology</i> , 2021, 131, 141-151.	2.4	3
84	A qualitative study of parents' and their child's experience of a medial epicondyle fracture. <i>Bone & Joint Open</i> , 2021, 2, 359-364.	1.1	3
85	Trauma and orthopaedic research is being driven by priorities identified by patients, surgeons, and other key stakeholders. <i>Bone and Joint Journal</i> , 2021, 103-B, 1328-1330.	1.9	3
86	Economic outcomes associated with deep surgical site infection from lower limb fractures following major trauma. <i>Bone & Joint Open</i> , 2022, 3, 398-403.	1.1	3
87	Has Metal-On-Metal Resurfacing Been a Cost-Effective Intervention for Health Care Providers? A Registry Based Study. <i>PLoS ONE</i> , 2016, 11, e0165021.	1.1	2
88	Do Patients Care What Their X-rays Look Like?. <i>JAMA Network Open</i> , 2020, 3, e1919570.	2.8	2
89	Unattainable equipoise in randomized controlled trials. <i>Bone & Joint Open</i> , 2021, 2, 486-492.	1.1	2
90	Periarticular analgesia for postoperative pain following total hip replacement. <i>The Cochrane Library</i> , 0, , .	1.5	2

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91	A multicentre prospective randomized equivalence trial of a soft bandage and immediate discharge versus current treatment with rigid immobilization for torus fractures of the distal radius in children. <i>Bone & Joint Open</i> , 2020, 1, 214-221.	1.1	2
92	Moulded cast compared with K-wire fixation after manipulation of an acute dorsally displaced distal radius fracture: the DRAFFT 2 RCT. <i>Health Technology Assessment</i> , 2022, 26, 1-80.	1.3	2
93	Flexibility and resistance exercises versus usual care for improving pain and function after distal radius fracture in adults aged 50 years or over: protocol for the WISE randomised multicentre feasibility trial. <i>Pilot and Feasibility Studies</i> , 2022, 8, 55.	0.5	2
94	HIPGEN: a randomized, multicentre phase III study using intramuscular PLacenta-eXpanded stromal cells therapy for recovery following hip fracture arthroplasty. <i>Bone & Joint Open</i> , 2022, 3, 340-347.	1.1	2
95	Hip Fracture Surgery vs Elective Total Hip Replacement. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 941.	3.8	1
96	Cast versus functional brace in the rehabilitation of patients with a rupture of the Achilles tendon: statistical analysis plan for the UK study of tendo Achilles rehabilitation (UK STAR) multi-centre randomised controlled trial. <i>Trials</i> , 2019, 20, 311.	0.7	1
97	Reamed intramedullary nailing versus circular frame external fixation for segmental tibial fractures (STIFF-F): a mixed methods feasibility study. <i>Pilot and Feasibility Studies</i> , 2021, 7, 93.	0.5	1
98	Platelet rich plasma versus placebo for the management of Achilles tendinopathy: protocol for the UK study of Achilles tendinopathy management (ATM) multi-centre randomised trial. <i>BMJ Open</i> , 2020, 10, e034076.	0.8	1
99	Cost-utility analysis of cast compared to removable brace in the management of adult patients with ankle fractures. <i>Bone & Joint Open</i> , 2022, 3, 455-462.	1.1	1
100	Hand and Wrist Trauma: Antimicrobials and Infection (HAWAII). <i>Bone & Joint Open</i> , 2022, 3, 529-535.	1.1	1
101	Periarticular analgesia for postoperative pain following total knee replacement. <i>The Cochrane Library</i> , 0, , .	1.5	0
102	Statistical and health economic analysis plan for a randomized controlled trial of surgical fixation with K-wires versus plaster casting in the treatment of dorsally displaced distal radius fractures: DRAFFT2. <i>Bone & Joint Open</i> , 2020, 1, 245-252.	1.1	0
103	P135â€fLower limb muscle strength and balance in older adults with distal radius fracture: a systematic review. <i>Rheumatology</i> , 2022, 61, .	0.9	0
104	Antimicrobial sutures for the prevention of surgical site infection. <i>The Cochrane Library</i> , 2022, 2022, .	1.5	0