

Stephen J Mellon

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,667
citations

279798

23
h-index

315739

38
g-index

70
all docs

70
docs citations

70
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of body mass index on the outcomes of cementless medial mobile-bearing unicompartmental knee replacements. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 608-618.	4.2	5
2	Liposomal bupivacaine peripheral nerve block for the management of postoperative pain. <i>The Cochrane Library</i> , 2022, 2022, CD011476.	2.8	36
3	The effect of age on the outcomes of cementless mobile bearing unicompartmental knee replacements. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 928-938.	4.2	7
4	The Oxford Domed Lateral Unicompartmental Knee Replacement implant: Increasing wall height reduces the risk of bearing dislocation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2022, 236, 349-355.	1.8	1
5	Comparison of five-year clinical outcomes of 524 cemented and cementless medial unicompartmental knee replacements. <i>Knee</i> , 2022, 34, 89-97.	1.6	5
6	Application of a robotics path planning algorithm to assess the risk of mobile bearing dislocation in lateral unicompartmental knee replacement. <i>Scientific Reports</i> , 2022, 12, 2068.	3.3	1
7	Low polyethylene creep and wear following mobile-bearing unicompartmental knee replacement. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3433-3442.	4.2	9
8	The effect of obesity on revision rate in unicompartmental knee arthroplasty: a systematic review and meta-analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3467-3477.	4.2	17
9	Cementless unicompartmental knee replacement achieves better ten-year clinical outcomes than cemented: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3229-3245.	4.2	14
10	Acceptable outcomes with unicompartmental knee replacement and PCL deficiency are achievable: a case series of nine patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3272-3278.	4.2	1
11	Systematic review and meta-analysis of bearing dislocation in lateral meniscal bearing unicompartmental knee replacement: Domed versus flat tibial surface. <i>Knee</i> , 2021, 28, 214-228.	1.6	6
12	Liposomal bupivacaine infiltration at the surgical site for the management of postoperative pain. <i>The Cochrane Library</i> , 2020, 2020, CD011419.	2.8	53
13	Ten-year clinical and radiographic results of 1000 cementless Oxford unicompartmental knee replacements. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1479-1487.	4.2	46
14	A radiographic analysis of alignment in 966 lower extremities with knee pain and its association with osteoarthritis in Indian population. <i>Journal of Orthopaedics</i> , 2020, 20, 207-212.	1.3	10
15	Oxford domed lateral unicompartmental knee arthroplasty. <i>Bone and Joint Journal</i> , 2020, 102-B, 1033-1040.	4.4	24
16	Most unicompartmental knee replacement revisions could be avoided: a radiographic evaluation of revised Oxford knees in the National Joint Registry. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3926-3934.	4.2	29
17	Lifetime revision risk for medial unicompartmental knee replacement is lower than expected. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3935-3941.	4.2	7
18	The clinical outcomes of cementless unicompartmental knee replacement in patients with reduced bone mineral density. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 35.	2.3	7

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19	An open-source tool for the validation of finite element models using three-dimensional full-field measurements. <i>Medical Engineering and Physics</i> , 2020, 77, 125-129.	1.7	2
20	Candidacy for medial unicompartmental knee replacement declines with age. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2020, 106, 443-447.	2.0	4
21	Response to review article published titled "Total ankle arthroplasty versus ankle arthrodesis - a comparison of outcomes over the last decade". <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 142.	2.3	1
22	Mid- to long-term function and implant survival of ACL reconstruction and medial Oxford UKR. <i>Knee</i> , 2019, 26, 897-904.	1.6	11
23	Posterior Bearing Overhang Following Medial and Lateral Mobile Bearing Unicompartmental Knee Replacements. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1938-1945.	2.3	4
24	Adherence monitoring of rehabilitation exercise with inertial sensors: A clinical validation study. <i>Gait and Posture</i> , 2019, 70, 211-217.	1.4	30
25	Functional Outcome and Revision Rate Are Independent of Limb Alignment Following Oxford Medial Unicompartmental Knee Replacement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 270-275.	3.0	12
26	Long-term <i>in vivo</i> wear of different bearing types used for the Oxford Unicompartmental Knee Replacement. <i>Bone and Joint Research</i> , 2019, 8, 535-543.	3.6	9
27	Obesity should not be considered a contraindication to medial Oxford UKA: long-term patient-reported outcomes and implant survival in 1000 knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2259-2265.	4.2	44
28	Medial meniscal extrusion: a validation study comparing different methods of assessment. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1152-1157.	4.2	19
29	Instruments to reduce the risk of tibial fracture following cementless unicompartmental knee replacement. <i>Knee</i> , 2018, 25, 988-996.	1.6	10
30	Intraosseous pressure during loading and with vascular occlusion in an animal model. <i>Bone and Joint Research</i> , 2018, 7, 511-516.	3.6	10
31	O 059 - Muscle length in flatfeet and neutral feet using a new multi-segment, musculoskeletal foot model. <i>Gait and Posture</i> , 2018, 65, 121-122.	1.4	0
32	Optimal interference of the tibial component of the cementless Oxford Unicompartmental Knee Replacement. <i>Bone and Joint Research</i> , 2018, 7, 226-231.	3.6	18
33	Age and Outcomes of Medial Meniscal-Bearing Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 3153-3159.	3.1	31
34	Comparison of outcomes after UKA in patients with and without chondrocalcinosis: a matched cohort study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 319-324.	4.2	24
35	Evidence-Based Indications for Mobile-Bearing Unicompartmental Knee Arthroplasty in a Consecutive Cohort of Thousand Knees. <i>Journal of Arthroplasty</i> , 2017, 32, 1779-1785.	3.1	112
36	Anterior knee pain and evidence of osteoarthritis of the patellofemoral joint should not be considered contraindications to mobile-bearing unicompartmental knee arthroplasty. <i>Bone and Joint Journal</i> , 2017, 99-B, 632-639.	4.4	77

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37	CAT & MAUS: A novel system for true dynamic motion measurement of underlying bony structures with compensation for soft tissue movement. <i>Journal of Biomechanics</i> , 2017, 62, 156-164.	2.1	7
38	Unsatisfactory outcomes following unicompartmental knee arthroplasty in patients with partial thickness cartilage loss. <i>Bone and Joint Journal</i> , 2017, 99-B, 475-482.	4.4	63
39	The Interaction of Caseload and Usage in Determining Outcomes of Unicompartmental Knee Arthroplasty: A Meta-Analysis. <i>Journal of Arthroplasty</i> , 2017, 32, 3228-3237.e2.	3.1	72
40	Lateral osteophytes do not represent a contraindication to medial unicompartmental knee arthroplasty: a 15-year follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 652-659.	4.2	27
41	Unicompartmental knee replacement: Does the macroscopic status of the anterior cruciate ligament affect outcome?. <i>Knee</i> , 2016, 23, 506-510.	1.6	11
42	The influence of cemented femoral stem choice on the incidence of revision for periprosthetic fracture after primary total hip arthroplasty. <i>Bone and Joint Journal</i> , 2016, 98-B, 1347-1354.	4.4	67
43	Surgeons' Accuracy in Achieving Their Desired Acetabular Component Orientation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, e72.	3.0	32
44	Globally Optimal Registration for Describing Joint Kinematics. <i>Procedia Computer Science</i> , 2016, 90, 188-193.	2.0	2
45	Automatic bone segmentation in ultrasound images using local phase features and dynamic programming. , 2016, , .		17
46	A computer-aided tracking and motion analysis with ultrasound (CAT & MAUS) system for the description of hip joint kinematics. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1965-1977.	2.8	14
47	Does activity affect the outcome of the Oxford unicompartmental knee replacement?. <i>Knee</i> , 2016, 23, 327-330.	1.6	27
48	The clinical outcome of minimally invasive Phase 3 Oxford unicompartmental knee arthroplasty. <i>Bone and Joint Journal</i> , 2015, 97-B, 1493-1499.	4.4	232
49	Optimal acetabular component orientation estimated using edge-loading and impingement risk in patients with metal-on-metal hip resurfacing arthroplasty. <i>Journal of Biomechanics</i> , 2015, 48, 318-323.	2.1	39
50	Follow-up guidance for metal-on-metal hip replacement patients should be updated. <i>International Orthopaedics</i> , 2015, 39, 609-610.	1.9	9
51	Follow-Up of Metal-on-Metal Hip Arthroplasty Patients Is Currently Not Evidence Based or Cost Effective. <i>Journal of Arthroplasty</i> , 2015, 30, 1317-1323.	3.1	55
52	Greater trochanter tracking in ultrasound imaging during gait. , 2015, , .		4
53	Asymmetrical hip loading correlates with metal ion levels in patients with metal-on-metal hip resurfacing during sit-to-stand. <i>HIP International</i> , 2014, 24, 20-26.	1.7	1
54	Early and Late Mechanical Stability of the Cementless Bone-Implant Interface in Total Joint Arthroplasty. , 2014, , 13-26.		1

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55	Hip replacement: Landmark surgery in modern medical history. <i>Maturitas</i> , 2013, 75, 221-226.	2.4	35
56	Evaluation of the accuracy of three popular regression equations for hip joint centre estimation using computerised tomography measurements for metal-on-metal hip resurfacing arthroplasty patients. <i>Gait and Posture</i> , 2013, 38, 1044-1047.	1.4	11
57	Individual motion patterns during gait and sit-to-stand contribute to edge-loading risk in metal-on-metal hip resurfacing. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 799-810.	1.8	42
58	Evaluation of factors affecting tibial bone strain after unicompartmental knee replacement. <i>Journal of Orthopaedic Research</i> , 2013, 31, 821-828.	2.3	59
59	Measurement of in-vivo patella kinematics using motion analysis and ultrasound (MAUS). , 2013, , .		5
60	Bone and its adaptation to mechanical loading: a review. <i>International Materials Reviews</i> , 2012, 57, 235-255.	19.3	41
61	<i>In vivo</i> evaluation of edge-loading in metal-on-metal hip resurfacing patients with pseudotumours. <i>Bone and Joint Research</i> , 2012, 1, 42-49.	3.6	33
62	Improved radiograph measurement inter-observer reliability by use of statistical shape models. <i>European Journal of Radiology</i> , 2012, 81, 2585-2591.	2.6	5
63	(ii) The role of imaging in follow-up of newly introduced implants. <i>Orthopaedics and Trauma</i> , 2012, 26, 237-241.	0.4	1
64	Pilot study to assess a simple accelerometric method to measure heel strike transients. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S103.	1.3	0
65	The effect of motion patterns on edge-loading of metal-on-metal hip resurfacing. <i>Medical Engineering and Physics</i> , 2011, 33, 1212-1220.	1.7	28
66	2-dimensional MEMS dielectrophoresis device for osteoblast cell stimulation. <i>Biomedical Microdevices</i> , 2006, 8, 353-359.	2.8	22