Samuel J Macdessi

List of Publications by Year
in descending order

43 papers	1,115 citations	430874 18 h-index	395702 33 g-index
43 all docs	43 docs citations	43 times ranked	731 citing authors

#	Article	IF	Citations
1	The rebirth of computer-assisted surgery. Precise prosthetic implantation should be considered when targeting individualized alignment goals in total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2886-2889.	4.2	7
2	Mechanical alignment for primary TKA may change both knee phenotype and joint line obliquity without influencing clinical outcomes: a study comparing restored and unrestored joint line obliquity. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2806-2814.	4.2	33
3	The importance of joint line obliquity: a radiological analysis of restricted boundaries in normal knee phenotypes to inform surgical decision making in kinematically aligned total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2931-2940.	4.2	8
4	The Addition of Suture Tape to the Hamstring Graft Construct Does Not Reduce Instrumented Knee Laxity Following ACL Reconstruction. Arthroscopy, Sports Medicine, and Rehabilitation, 2022, 4, e545-e551.	1.7	4
5	Intraoperative pressure sensors improve soft-tissue balance but not clinical outcomes in total knee arthroplasty: a multicentre randomized controlled trial. Bone and Joint Journal, 2022, 104-B, 604-612.	4.4	10
6	Robotic-assisted surgery and kinematic alignment in total knee arthroplasty (RASKAL study): a protocol of a national registry-nested, multicentre, 2Ã—2 factorial randomised trial assessing clinical, intraoperative, functional, radiographic and survivorship outcomes. BMJ Open, 2022, 12, e051088.	1.9	9
7	Arithmetic hip-knee-ankle angle and stressed hip-knee-ankle angle: equivalent methods for estimating constitutional lower limb alignment in kinematically aligned total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2980-2990.	4.2	12
8	Surgeon-defined assessment is a poor predictor of knee balance in total knee arthroplasty: a prospective, multicenter study. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 498-506.	4.2	18
9	Does the Use of Intraoperative Pressure Sensors for Knee Balancing in Total Knee Arthroplasty Improve Clinical Outcomes? A Comparative Study With a Minimum Two-Year Follow-Up. Journal of Arthroplasty, 2021, 36, 514-519.	3.1	13
10	Coronal Plane Alignment of the Knee (CPAK) classification. Bone and Joint Journal, 2021, 103-B, 329-337.	4.4	164
11	Arithmetic hip-knee-ankle angle (aHKA): An algorithm for estimating constitutional lower limb alignment in the arthritic patient population. Bone & Joint Open, 2021, 2, 351-358.	2.6	26
12	No difference in clinical outcomes between portable navigation and conventional instrumentation in total knee arthroplasty: A randomised trial. ANZ Journal of Surgery, 2021, 91, 1914-1918.	0.7	5
13	Restricted Kinematic Alignment in Total Knee Arthroplasty: Scientific Exploration Involving Detailed Planning, Precise execution, and Knowledge of When to Abort. Arthroplasty Today, 2021, 10, 24-26.	1.6	10
14	Tibiofemoral dynamic stressed gap laxities correlate with compartment load measurements in robotic arm-assisted total knee arthroplasty. Bone & Joint Open, 2021, 2, 974-980.	2.6	4
15	Modern total knee arthroplasty designs do not reliably replicate anterior femoral morphology. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 2808-2815.	4.2	9
16	The arithmetic HKA (aHKA) predicts the constitutional alignment of the arthritic knee compared to the normal contralateral knee. Bone & Joint Open, 2020, 1, 339-345.	2.6	39
17	Characteristics of three different patellar implant designs in total knee arthroplasty. ANZ Journal of Surgery, 2020, 90, 1303-1309.	0.7	3
18	Restoring the constitutional alignment with a restrictive kinematic protocol improves quantitative soft-tissue balance in total knee arthroplasty: a randomized controlled trial. Bone and Joint Journal, 2020, 102-B, 117-124.	4.4	115

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19	Interobserver agreement of sensor-derived compartmental pressure measurements in computer-assisted total knee arthroplasty. Knee, 2020, 27, 717-722.	1.6	9
20	The arithmetic HKA (aHKA) predicts the constitutional alignment of the arthritic knee compared to the normal contralateral knee. Bone & Joint Open, 2020, 1, 339-345.	2.6	0
21	Does soft tissue balancing using intraoperative pressure sensors improve clinical outcomes in total knee arthroplasty? A protocol of a multicentre randomised controlled trial. BMJ Open, 2019, 9, e027812.	1.9	9
22	How Accurately Can Soft Tissue Balance Be Determined in Total Knee Arthroplasty?. Journal of Arthroplasty, 2019, 34, 290-294.e1.	3.1	40
23	Soft tissue balancing in total knee arthroplasty using sensorâ€guided assessment: is there a learning curve?. ANZ Journal of Surgery, 2018, 88, 497-501.	0.7	19
24	Evaluation of the patellofemoral joint in total knee arthroplasty: Validation of the weight bearing merchant radiographic view. Knee, 2018, 25, 1262-1271.	1.6	8
25	Gender and age based differences in behavioural patterns following anterior cruciate ligament injury. Journal of Orthopaedics, 2018, 15, 655-657.	1.3	3
26	Patient-specific cutting guides for total knee arthroplasty. The Cochrane Library, 2017, , .	2.8	0
27	Resection accuracy of patientâ€specific cutting guides in total knee replacement. ANZ Journal of Surgery, 2017, 87, 921-924.	0.7	6
28	The diameter of single bundle, hamstring autograft does not significantly influence revision rate or clinical outcomes after anterior cruciate ligament reconstruction. Knee, 2017, 24, 1033-1038.	1.6	28
29	Intravenous vs Intra-Articular Tranexamic Acid in Total Knee Arthroplasty: A Randomized, Double-Blind Trial. Journal of Arthroplasty, 2017, 32, 28-32.	3.1	46
30	Accelerometer-Based, Portable Navigation (KneeAlign) vs Conventional Instrumentation for Total Knee Arthroplasty: A Prospective Randomized Comparative Trial. Journal of Arthroplasty, 2017, 32, 777-782.	3.1	41
31	Infection rates with use of intraâ€articular pain catheters in total knee arthroplasty. ANZ Journal of Surgery, 2016, 86, 391-394.	0.7	2
32	Is there a need for routine post-operative hemoglobin level estimation in total knee arthroplasty with tranexamic acid use?. Knee, 2016, 23, 310-313.	1.6	10
33	Clinical and Financial Benefits of Intra-Articular Tranexamic Acid in Total Knee Arthroplasty. Journal of Orthopaedic Surgery, 2016, 24, 3-6.	1.0	14
34	Total knee arthroplasty using patient-specific guides: Is there a learning curve?. Knee, 2015, 22, 613-617.	1.6	19
35	Radiographic outcome of limb-based versus knee-based patient specific guides in total knee arthroplasty. Knee, 2014, 21, 1244-1249.	1.6	3
36	A comparison of alignment using patient specific guides, computer navigation and conventional instrumentation in total knee arthroplasty. Knee, 2014, 21, 406-409.	1.6	65

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37	A Multi-Planar CT-Based Comparative Analysis of Patient-Specific Cutting Guides With Conventional Instrumentation in Total Knee Arthroplasty. Journal of Arthroplasty, 2014, 29, 1138-1142.	3.1	36
38	Intra-Articular Injection of Tranexamic Acid to Reduce Blood Loss after Total Knee Arthroplasty. Journal of Orthopaedic Surgery, 2014, 22, 146-149.	1.0	22
39	Peri-articular Steroid Injection in Total Knee Arthroplasty: A Prospective, Double Blinded, Randomized Controlled Trial. Journal of Arthroplasty, 2013, 28, 620-623.	3.1	56
40	Comparison of Tibial Bone Coverage of 6 Knee Prostheses: A Magnetic Resonance Imaging Study with Controlled Rotation. Journal of Orthopaedic Surgery, 2012, 20, 143-147.	1.0	36
41	Subchondral Fracture Following Arthroscopic Knee Surgery. Journal of Bone and Joint Surgery - Series A, 2008, 90, 1007-1012.	3.0	54
42	Outcome of Patients After Achilles Tendon Lengthening for Treatment of Idiopathic Toe Walking. Journal of Pediatric Orthopaedics, 2006, 26, 336-340.	1.2	65
43	Pedicle Fracture After Instrumented Posterolateral Lumbar Fusion. Spine, 2001, 26, 580-582.	2.0	35