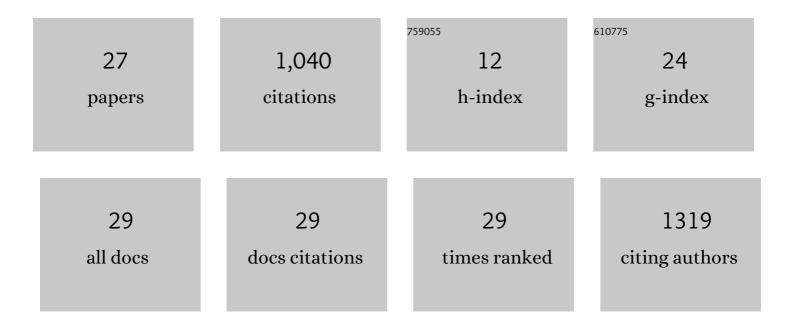
Robert A Siston

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	How to Write a Systematic Review. American Journal of Sports Medicine, 2014, 42, 2761-2768.	1.9	381
2	Surgical navigation for total knee arthroplasty: A perspective. Journal of Biomechanics, 2007, 40, 728-735.	0.9	133
3	Musculoskeletal modelling of an ostrich (<i>Struthio camelus</i>) pelvic limb: influence of limb orientation on muscular capacity during locomotion. PeerJ, 2015, 3, e1001.	0.9	111
4	Biomechanical effects of total knee arthroplasty component malrotation: A computational simulation. Journal of Orthopaedic Research, 2011, 29, 969-975.	1.2	102
5	Factors Influencing the Outcome of Autologous Chondrocyte Implantation: A Systematic Review. Journal of Knee Surgery, 2013, 26, 203-212.	0.9	56
6	Evidence for joint moment asymmetry in healthy populations during gait. Gait and Posture, 2014, 40, 526-531.	0.6	36
7	Muscle Forces and Their Contributions to Vertical and Horizontal Acceleration of the Center of Mass During Sit-to-Stand Transfer in Young, Healthy Adults. Journal of Applied Biomechanics, 2016, 32, 487-503.	0.3	35
8	Age-Related Differences in Gait Kinematics, Kinetics, and Muscle Function: A Principal Component Analysis. Annals of Biomedical Engineering, 2017, 45, 695-710.	1.3	32
9	Estimating patientâ€specific softâ€ŧissue properties in a TKA knee. Journal of Orthopaedic Research, 2016, 34, 435-443.	1.2	26
10	Relationships between varus-valgus laxity of the severely osteoarthritic knee and gait, instability, clinical performance, and function. Journal of Orthopaedic Research, 2017, 35, 1644-1652.	1.2	26
11	Interpreting Musculoskeletal Models and Dynamic Simulations: Causes and Effects of Differences Between Models. Annals of Biomedical Engineering, 2017, 45, 2635-2647.	1.3	15
12	Design and Cadaveric Validation of a Novel Device to Quantify Knee Stability During Total Knee Arthroplasty. Journal of Biomechanical Engineering, 2012, 134, 115001.	0.6	13
13	Changes in lower extremity peak angles, moments and muscle activations during stair climbing at different speeds. Journal of Electromyography and Kinesiology, 2015, 25, 982-989.	0.7	13
14	The High Variability in Sizing Knee Cartilage Defects. Journal of Bone and Joint Surgery - Series A, 2013, 95, 70-75.	1.4	12
15	Muscle co-contraction during gait in individuals with articular cartilage defects in the knee. Gait and Posture, 2016, 48, 68-73.	0.6	11
16	Perceived Instability Is Associated With Strength and Pain, Not Frontal Knee Laxity, in Patients With Advanced Knee Osteoarthritis. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 513-517.	1.7	9
17	Surgical Navigation Improves the Precision and Accuracy of Tibial Component Alignment in Canine Total Knee Replacement. Veterinary Surgery, 2016, 45, 52-59.	0.5	7
18	What are the effects of simulated muscle weakness on the sit-to-stand transfer?. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 765-772.	0.9	5

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#	Article	IF	CITATIONS
19	Assessing the effect of football play on knee articular cartilage using delayed gadolinium-enhanced MRI of cartilage (dGEMRIC). Magnetic Resonance Imaging, 2017, 39, 149-156.	1.0	4
20	Forces Generated by Vastus Lateralis and Vastus Medialis Decrease with Increasing Stair Descent Speed. Annals of Biomedical Engineering, 2018, 46, 579-589.	1.3	3
21	Mediallyâ€ s tabilized total knee arthroplasty does not alter knee laxity and balance in cadaveric knees. Journal of Orthopaedic Research, 2019, 37, 335-349.	1.2	3
22	Tibiofemoral joint subchondral surface conformity: Individual variability with race and sex-specific trends. Knee, 2016, 23, 770-776.	0.8	2
23	Anterior Closing Wedge Proximal Tibial Osteotomy and Revision Anterior Cruciate Ligament Reconstruction With Quadriceps Tendon Autograft. Video Journal of Sports Medicine, 2021, 1, 263502542110227.	0.1	2
24	Effects of age and knee osteoarthritis on the modular control of walking: A pilot study. PLoS ONE, 2021, 16, e0261862.	1.1	2
25	CORR Insights®: Is There a Force Target That Predicts Early Patient-reported Outcomes After Kinematically Aligned TKA?. Clinical Orthopaedics and Related Research, 2019, 477, 1208-1210.	0.7	0
26	Discover your potential: The influence of kinematics on a muscle's ability to contribute to the sit-to-stand transfer. PLoS ONE, 2022, 17, e0264080.	1.1	0
27	Is modular control related to functional outcomes in individuals with knee osteoarthritis and following total knee arthroplasty?. PLoS ONE, 2022, 17, e0267340.	1.1	0