

Robert A Siston

List of Publications by Year in descending order

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27
papers

1,040
citations

759055

12
h-index

610775

24
g-index

29
all docs

29
docs citations

29
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Effects of age and knee osteoarthritis on the modular control of walking: A pilot study. PLoS ONE, 2021, 16, e0261862.	1.1	2
5	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
6	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
7	CORR Insights®: Is There a Force Target That Predicts Early Patient-reported Outcomes After Kinetically Aligned TKA?. Clinical Orthopaedics and Related Research, 2019, 477, 1208-1210.	0.7	0
8	Medially-stabilized total knee arthroplasty does not alter knee laxity and balance in cadaveric knees. Journal of Orthopaedic Research, 2019, 37, 335-349.	1.2	3
9	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
10	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
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	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
13	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
14	Muscle co-contraction during gait in individuals with articular cartilage defects in the knee. Gait and Posture, 2016, 48, 68-73.	0.6	11
15	Tibiofemoral joint subchondral surface conformity: Individual variability with race and sex-specific trends. Knee, 2016, 23, 770-776.	0.8	2
16	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
17	Estimating patient-specific soft-tissue properties in a TKA knee. Journal of Orthopaedic Research, 2016, 34, 435-443.	1.2	26
18	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

#	ARTICLE	IF	CITATIONS
19	Changes in lower extremity peak angles, moments and muscle activations during stair climbing at different speeds. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 982-989.	0.7	13
20	Musculoskeletal modelling of an ostrich (<i>Struthio camelus</i>) pelvic limb: influence of limb orientation on muscular capacity during locomotion. <i>PeerJ</i> , 2015, 3, e1001.	0.9	111
21	Evidence for joint moment asymmetry in healthy populations during gait. <i>Gait and Posture</i> , 2014, 40, 526-531.	0.6	36
22	How to Write a Systematic Review. <i>American Journal of Sports Medicine</i> , 2014, 42, 2761-2768.	1.9	381
23	Factors Influencing the Outcome of Autologous Chondrocyte Implantation: A Systematic Review. <i>Journal of Knee Surgery</i> , 2013, 26, 203-212.	0.9	56
24	The High Variability in Sizing Knee Cartilage Defects. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 70-75.	1.4	12
25	Design and Cadaveric Validation of a Novel Device to Quantify Knee Stability During Total Knee Arthroplasty. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 115001.	0.6	13
26	Biomechanical effects of total knee arthroplasty component malrotation: A computational simulation. <i>Journal of Orthopaedic Research</i> , 2011, 29, 969-975.	1.2	102
27	Surgical navigation for total knee arthroplasty: A perspective. <i>Journal of Biomechanics</i> , 2007, 40, 728-735.	0.9	133