

# Robert A Siston

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/444640/publications.pdf>

Version: 2024-02-01

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	How to Write a Systematic Review. <i>American Journal of Sports Medicine</i> , 2014, 42, 2761-2768.	1.9	381
2	Surgical navigation for total knee arthroplasty: A perspective. <i>Journal of Biomechanics</i> , 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. <i>PeerJ</i> , 2015, 3, e1001.	0.9	111
4	Biomechanical effects of total knee arthroplasty component malrotation: A computational simulation. <i>Journal of Orthopaedic Research</i> , 2011, 29, 969-975.	1.2	102
5	Factors Influencing the Outcome of Autologous Chondrocyte Implantation: A Systematic Review. <i>Journal of Knee Surgery</i> , 2013, 26, 203-212.	0.9	56
6	Evidence for joint moment asymmetry in healthy populations during gait. <i>Gait and Posture</i> , 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. <i>Journal of Applied Biomechanics</i> , 2016, 32, 487-503.	0.3	35
8	Age-Related Differences in Gait Kinematics, Kinetics, and Muscle Function: A Principal Component Analysis. <i>Annals of Biomedical Engineering</i> , 2017, 45, 695-710.	1.3	32
9	Estimating patient-specific soft-tissue properties in a TKA knee. <i>Journal of Orthopaedic Research</i> , 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. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1644-1652.	1.2	26
11	Interpreting Musculoskeletal Models and Dynamic Simulations: Causes and Effects of Differences Between Models. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2635-2647.	1.3	15
12	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
13	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
14	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
15	Muscle co-contraction during gait in individuals with articular cartilage defects in the knee. <i>Gait and Posture</i> , 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. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 513-517.	1.7	9
17	Surgical Navigation Improves the Precision and Accuracy of Tibial Component Alignment in Canine Total Knee Replacement. <i>Veterinary Surgery</i> , 2016, 45, 52-59.	0.5	7
18	What are the effects of simulated muscle weakness on the sit-to-stand transfer?. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 765-772.	0.9	5

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