

Lindsey Westover

List of Publications by Year in descending order

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36
papers

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citations

1039406

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docs citations

36
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying Asymmetry and Performance of Lower Limb Mechanical Muscle Function in Varsity Athletes Using Non-Counter movement Jumps. <i>Journal of Strength and Conditioning Research</i> , 2023, 37, 98-106.	1.0	0
2	Modelling and evaluating periodontal ligament mechanical behaviour and properties: A scoping review of current approaches and limitations. <i>Orthodontics and Craniofacial Research</i> , 2022, 25, 199-211.	1.2	7
3	Prediction of fracture initiation and propagation in pelvic bones. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 808-820.	0.9	3
4	Polycarbonate-urethane coating can significantly improve talus implant contact characteristics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104936.	1.5	3
5	Validation of a magnetic resonance imaging based method to study passive knee laxity: An in-situ study. <i>Medical Engineering and Physics</i> , 2022, 99, 103733.	0.8	0
6	An Investigation of the Effect of Irradiation on the Biomechanical Properties of Fibular Grafts. <i>Journal of Oral and Maxillofacial Surgery</i> , 2022, 80, 784.e1-784.e5.	0.5	0
7	Engineered Human Meniscus in Modeling Sex Differences of Knee Osteoarthritis in Vitro. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 823679.	2.0	10
8	The evaluation of artificial talus implant on ankle joint contact characteristics: a finite element study based on four subjects. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 1139-1158.	1.6	7
9	Development and application of the average pelvic shape in virtual pelvic fracture reconstruction. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2199.	1.2	8
10	Quantitative analysis of regional specific pelvic symmetry. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 369-381.	1.6	2
11	Prediction of Tensile Strain Capacity for X52 Steel Pipeline Materials Using the Extended Finite Element Method. <i>Applied Mechanics</i> , 2021, 2, 209-225.	0.7	4
12	Biomechanical Strength of All-Inside ACL Reconstruction Grafts Using Side-to-Side and Backup Fixation. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110065.	0.8	3
13	Clinical Use of Talar Prostheses. <i>JBJS Reviews</i> , 2021, 9, .	0.8	2
14	A finite element model for evaluating the effectiveness of the Advanced System for Implant Stability Testing (ASIST). <i>Journal of Biomechanics</i> , 2021, 124, 110570.	0.9	1
15	Prediction of human male trunk mass distribution using anthropometric measurements: A feasibility study. <i>Journal of Biomechanics</i> , 2021, 122, 110437.	0.9	1
16	Kinetic measurement system use in individuals following anterior cruciate ligament reconstruction: a scoping review of methodological approaches. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 81.	0.8	2
17	Mechano-Hypoxia Conditioning of Engineered Human Meniscus. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 739438.	2.0	12
18	Evaluation of facial symmetry after jaw reconstruction surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 1212-1220.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Investigation of pelvic symmetry using CAD software. Medical and Biological Engineering and Computing, 2020, 58, 75-82.	1.6	16
20	Biomechanical Comparison of Graft Preparation Techniques for All-Inside Anterior Cruciate Ligament Reconstruction. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712093803.	0.8	4
21	Analysis of four methods of measuring three-dimensional pelvic tilt in the lateral decubitus position. Medical and Biological Engineering and Computing, 2020, 58, 2387-2396.	1.6	0
22	A Deep Learning and Computer Vision Based Multi-Player Tracker for Squash. Applied Sciences (Switzerland), 2020, 10, 8793.	1.3	11
23	Investigation of the Average Shape and Principal Variations of the Human Talus Bone Using Statistic Shape Model. Frontiers in Bioengineering and Biotechnology, 2020, 8, 656.	2.0	13
24	Prediction of failure in cancellous bone using extended finite element method. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 988-999.	1.0	1
25	Virtual reconstruction of unilateral pelvic fractures by using pelvic symmetry. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1267-1277.	1.7	15
26	An Equivalent Constitutive Model of Cancellous Bone With Fracture Prediction. Journal of Biomechanical Engineering, 2020, 142, .	0.6	5
27	Customized k-nearest neighbourhood analysis in the management of adolescent idiopathic scoliosis using 3D markerless asymmetry analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 696-705.	0.9	15
28	Categorizing Three-Dimensional Symmetry Using Reflection, Roto-inversion, and Translation Symmetry. Symmetry, 2019, 11, 1132.	1.1	3
29	Non-invasive evaluation of periodontal ligament stiffness during orthodontic tooth movement. Angle Orthodontist, 2019, 89, 228-234.	1.1	4
30	Comparison of Health Insurance Coverage for Hearing Aids and Other Services in Alberta. Healthcare Policy, 2019, 15, 72-84.	0.3	0
31	Development of a Novel Bone Conduction Verification Tool Using a Surface Microphone: Validation With Percutaneous Bone Conduction Users. Ear and Hearing, 2018, 39, 1157-1164.	1.0	14
32	Longitudinal Evaluation of Bone-Anchored Hearing Aid Implant Stability Using the Advanced System for Implant Stability Testing (ASIST). Otology and Neurotology, 2018, 39, e489-e495.	0.7	4
33	Comparison of implant stability measurement devices for bone-anchored hearing aid systems. Journal of Prosthetic Dentistry, 2018, 119, 178-184.	1.1	5
34	Surface Topography Classification Trees for Assessing Severity and Monitoring Progression in Adolescent Idiopathic Scoliosis. Spine, 2017, 42, E781-E787.	1.0	12
35	Monitoring for idiopathic scoliosis curve progression using surface topography asymmetry analysis of the torso in adolescents. Spine Journal, 2015, 15, 743-751.	0.6	45
36	Correlation Between a Novel Surface Topography Asymmetry Analysis and Radiographic Data in Scoliosis. Spine Deformity, 2015, 3, 303-311.	0.7	24