

Lindsey Westover

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

257
citations

1039406

9
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1058022

14
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36
all docs

36
docs citations

36
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring for idiopathic scoliosis curve progression using surface topography asymmetry analysis of the torso in adolescents. <i>Spine Journal</i> , 2015, 15, 743-751.	0.6	45
2	Correlation Between a Novel Surface Topography Asymmetry Analysis and Radiographic Data in Scoliosis. <i>Spine Deformity</i> , 2015, 3, 303-311.	0.7	24
3	Investigation of pelvic symmetry using CAD software. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 75-82.	1.6	16
4	Customized k-nearest neighbourhood analysis in the management of adolescent idiopathic scoliosis using 3D markerless asymmetry analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 696-705.	0.9	15
5	Virtual reconstruction of unilateral pelvic fractures by using pelvic symmetry. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1267-1277.	1.7	15
6	Development of a Novel Bone Conduction Verification Tool Using a Surface Microphone: Validation With Percutaneous Bone Conduction Users. <i>Ear and Hearing</i> , 2018, 39, 1157-1164.	1.0	14
7	Investigation of the Average Shape and Principal Variations of the Human Talus Bone Using Statistic Shape Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 656.	2.0	13
8	Surface Topography Classification Trees for Assessing Severity and Monitoring Progression in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2017, 42, E781-E787.	1.0	12
9	Mechano-Hypoxia Conditioning of Engineered Human Meniscus. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 739438.	2.0	12
10	A Deep Learning and Computer Vision Based Multi-Player Tracker for Squash. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8793.	1.3	11
11	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
12	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
13	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
14	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
15	Comparison of implant stability measurement devices for bone-anchored hearing aid systems. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 178-184.	1.1	5
16	An Equivalent Constitutive Model of Cancellous Bone With Fracture Prediction. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	5
17	Longitudinal Evaluation of Bone-Anchored Hearing Aid Implant Stability Using the Advanced System for Implant Stability Testing (ASIST). <i>Otology and Neurotology</i> , 2018, 39, e489-e495.	0.7	4
18	Non-invasive evaluation of periodontal ligament stiffness during orthodontic tooth movement. <i>Angle Orthodontist</i> , 2019, 89, 228-234.	1.1	4

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19	Biomechanical Comparison of Graft Preparation Techniques for All-Inside Anterior Cruciate Ligament Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712093803.	0.8	4
20	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
21	Categorizing Three-Dimensional Symmetry Using Reflection, Roto-inversion, and Translation Symmetry. <i>Symmetry</i> , 2019, 11, 1132.	1.1	3
22	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
23	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
24	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
25	Quantitative analysis of regional specific pelvic symmetry. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 369-381.	1.6	2
26	Clinical Use of Talar Prostheses. <i>JBJS Reviews</i> , 2021, 9, .	0.8	2
27	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
28	Prediction of failure in cancellous bone using extended finite element method. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 988-999.	1.0	1
29	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
30	Prediction of human male trunk mass distribution using anthropometric measurements: A feasibility study. <i>Journal of Biomechanics</i> , 2021, 122, 110437.	0.9	1
31	Evaluation of facial symmetry after jaw reconstruction surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 1212-1220.	0.9	1
32	Analysis of four methods of measuring three-dimensional pelvic tilt in the lateral decubitus position. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 2387-2396.	1.6	0
33	Comparison of Health Insurance Coverage for Hearing Aids and Other Services in Alberta. <i>Healthcare Policy</i> , 2019, 15, 72-84.	0.3	0
34	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
35	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
36	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