

Amy Lenz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

321
citations

933447

10
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	The modulation of forward propulsion, vertical support, and center of pressure by the plantarflexors during human walking. <i>Gait and Posture</i> , 2013, 38, 993-997.	1.4	74
2	Empirical evaluation of gastrocnemius and soleus function during walking. <i>Journal of Biomechanics</i> , 2014, 47, 2969-2974.	2.1	27
3	Assignment of local coordinate systems and methods to calculate tibiotalar and subtalar kinematics: A systematic review. <i>Journal of Biomechanics</i> , 2021, 120, 110344.	2.1	23
4	Morphologic analysis of the subtalar joint using statistical shape modeling. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2625-2633.	2.3	22
5	Compensatory Motion of the Subtalar Joint Following Tibiotalar Arthrodesis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 600-608.	3.0	22
6	Comparison of External Torque to Axial Loading in Detecting 3-Dimensional Displacement of Syndesmotic Ankle Injuries. <i>Foot and Ankle International</i> , 2020, 41, 1256-1268.	2.3	21
7	Anatomy and biomechanics of the Lisfranc ligamentous complex: A systematic literature review. <i>Journal of Biomechanics</i> , 2021, 119, 110287.	2.1	16
8	Imaging of the subtalar joint: A novel approach to an old problem. <i>Journal of Orthopaedic Research</i> , 2019, 37, 921-926.	2.3	15
9	Interaction of loading and ligament injuries in subtalar joint instability quantified by 3D weightbearing computed tomography. <i>Journal of Orthopaedic Research</i> , 2022, 40, 933-944.	2.3	13
10	A new method to quantify liner deformation within a prosthetic socket for below knee amputees. <i>Journal of Biomechanics</i> , 2018, 74, 213-219.	2.1	10
11	Influence of the ankle position and X-ray beam angulation on the projection of the posterior facet of the subtalar joint. <i>Skeletal Radiology</i> , 2019, 48, 1581-1589.	2.0	10
12	Impact of the rotational position of the hindfoot on measurements assessing the integrity of the distal tibio-fibular syndesmosis. <i>Foot and Ankle Surgery</i> , 2020, 26, 810-817.	1.7	10
13	Total Ankle Replacement Provides Symmetrical Postoperative Kinematics: A Biplane Fluoroscopy Imaging Study. <i>Foot and Ankle International</i> , 2022, 43, 818-829.	2.3	10
14	Evaluating shear and normal force with the use of an instrumented transtibial socket: A case study. <i>Medical Engineering and Physics</i> , 2019, 71, 102-107.	1.7	7
15	Methodology for Measurement of in vivo Tibiotalar Kinematics After Total Ankle Replacement Using Dual Fluoroscopy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 375.	4.1	7
16	Patients with cam-type femoroacetabular impingement demonstrate increased change in bone-to-bone distance during walking: A dual fluoroscopy study. <i>Journal of Orthopaedic Research</i> , 2023, 41, 161-169.	2.3	7
17	Measurement and simulation of joint motion induced via biarticular muscles during human walking. <i>Procedia IUTAM</i> , 2011, 2, 290-296.	1.2	6
18	Empirical assessment of dynamic hamstring function during human walking. <i>Journal of Biomechanics</i> , 2013, 46, 1255-1261.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Semi-automatic micro-CT segmentation of the midfoot using calibrated thresholds. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 387-396.	2.8	6
20	Understanding Displacements of the Gel Liner for Below Knee Prosthetic Users. Journal of Biomechanical Engineering, 2018, 140, .	1.3	5
21	Mapping of Posterior Talar Dome Access Through Posteromedial Versus Posterolateral Approaches. Journal of Orthopaedic Trauma, 2021, 35, e463-e469.	1.4	3
22	Micro-CT analysis of the Lisfranc complex reveals higher bone mineral density in dorsal compared to plantar regions. Journal of Orthopaedic Research, 2022, 40, 1457-1469.	2.3	1