

W Brent Lievers

List of Publications by Year in Descending Order

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Version: 2024-04-17

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

407
citations

13
h-index

19
g-index

33
ext. papers

445
ext. citations

3.1
avg. IF

3.61
L-index

#	Paper	IF	Citations
33	2D size of trabecular bone structure units (BSU) correlate more strongly with 3D architectural parameters than age in human vertebrae.. <i>Bone</i> , 2022 , 160, 116399	4.7	0
32	Misalignment Error in Cancellous Bone Apparent Elastic Modulus Depends on Bone Volume Fraction and Degree of Anisotropy. <i>Journal of Biomechanical Engineering</i> , 2021 , 143,	2.1	2
31	Four degree-of-freedom lumped parameter model of the foot-ankle system exposed to vertical vibration from 10 to 60 Hz with varying centre of pressure conditions. <i>Ergonomics</i> , 2021 , 64, 1002-1017	2.9	1
30	Evaluating a theoretical and an empirical model of "side effects" in cancellous bone. <i>Medical Engineering and Physics</i> , 2021 , 94, 8-15	2.4	1
29	Stabbing angle alters peak force and work during sharp force trauma of porcine ribs. <i>Forensic Science International</i> , 2020 , 314, 110373	2.6	
28	Epidemiology of Foot Injuries Using National Collegiate Athletic Association Data From the 2009-2010 Through 2014-2015 Seasons. <i>Journal of Athletic Training</i> , 2020 , 55, 181-187	4	5
27	Development and commissioning of an instrumented pneumatic device to simulate blunt- and sharp-force trauma. <i>Forensic Science International</i> , 2020 , 307, 110123	2.6	1
26	Anatomical locations for capturing magnitude differences in foot-transmitted vibration exposure, determined using multiple correspondence analysis. <i>Theoretical Issues in Ergonomics Science</i> , 2020 , 21, 562-576	2.2	5
25	Standing centre of pressure alters the vibration transmissibility response of the foot. <i>Ergonomics</i> , 2019 , 62, 1202-1213	2.9	5
24	Biomechanical response of the human foot when standing in a natural position while exposed to vertical vibration from 10-200 Hz. <i>Ergonomics</i> , 2019 , 62, 644-656	2.9	11
23	Failure behaviour of rat vertebrae determined through simultaneous compression testing and micro-CT imaging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 79, 73-82	4.1	2
22	Measuring the mass and center of gravity of helmet systems for underground workers. <i>International Journal of Industrial Ergonomics</i> , 2018 , 64, 23-30	2.9	11
21	Etiology and Biomechanics of Midfoot (Lisfranc) Injuries in Athletes. <i>Critical Reviews in Biomedical Engineering</i> , 2015 , 43, 213-38	1.1	6
20	Incidence and Severity of Foot and Ankle Injuries in Men's Collegiate American Football. <i>Orthopaedic Journal of Sports Medicine</i> , 2015 , 3, 2325967115581593	3.5	30
19	Leg, Foot, and Ankle Injury Biomechanics 2015 , 499-547		1
18	Etiology and Biomechanics of Tarsometatarsal Injuries in Professional Football Players: A Video Analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2014 , 2, 2325967114525347	3.5	10
17	Patient-specific modelling of the foot: automated hexahedral meshing of the bones. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 1287-97	2.1	6

16	Foot kinematics and loading of professional athletes in American football-specific tasks. <i>Gait and Posture</i> , 2013 , 38, 563-9	2.6	18
15	Manuscript Processing Times Are Negatively Correlated with Journal Impact Factors / La corrélation négative entre les délais de traitement des manuscrits et les facteurs d'impact des revues scientifiques. <i>Canadian Journal of Information & Library Sciences</i> , 2013 , 37, 225-236		1
14	Development of an injury risk function for first metatarsophalangeal joint sprains. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 2144-50	1.2	18
13	Age, sex, causal and injury patterns in tarsometatarsal dislocations: a literature review of over 2000 cases. <i>Foot</i> , 2012 , 22, 117-24	1.3	16
12	Characterizing the frequency of repeated citations: The effects of journal, subject area, and self-citation. <i>Information Processing and Management</i> , 2012 , 48, 1116-1123	6.3	5
11	Etiology and biomechanics of first metatarsophalangeal joint sprains (turf toe) in athletes. <i>Critical Reviews in Biomedical Engineering</i> , 2012 , 40, 43-61	1.1	29
10	Fracture tolerance of the patellofemoral joint in frontal knee impacts of 75 and 35 year-old males. <i>International Journal of Crashworthiness</i> , 2011 , 16, 397-409	1	
9	Specimen diameter and "side artifacts" in cancellous bone evaluated using end-constrained elastic tension. <i>Bone</i> , 2010 , 47, 371-7	4.7	17
8	Effects of dehydration-induced structural and material changes on the apparent modulus of cancellous bone. <i>Medical Engineering and Physics</i> , 2010 , 32, 921-5	2.4	17
7	Minimizing specimen length in elastic testing of end-constrained cancellous bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2010 , 3, 22-30	4.1	20
6	Matrix-Erosion Tessellation: Comparing Particle Clustering Measures Extracted from Three-Dimensional vs Two-Dimensional Images. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 36-45	2.3	1
5	Specimen size effect in the volumetric shrinkage of cancellous bone measured at two levels of dehydration. <i>Journal of Biomechanics</i> , 2007 , 40, 1903-9	2.9	16
4	An evaluation of global thresholding techniques for the automatic image segmentation of automotive aluminum sheet alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 381, 134-142	5.3	26
3	Using incremental forming to calibrate a void nucleation model for automotive aluminum sheet alloys. <i>Acta Materialia</i> , 2004 , 52, 3001-3007	8.4	68
2	The co-operative role of voids and shear bands in strain localization during bending. <i>Mechanics of Materials</i> , 2003 , 35, 661-674	3.3	20
1	The influence of iron content on the bendability of AA6111 sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 361, 312-320	5.3	38