

Hattie C Cutcliffe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1656033/publications.pdf>

Version: 2024-02-01

24
papers

485
citations

759190

12
h-index

713444

21
g-index

24
all docs

24
docs citations

24
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo measurement of ACL length and relative strain during walking. <i>Journal of Biomechanics</i> , 2013, 46, 478-483.	2.1	99
2	Obesity alters the in vivo mechanical response and biochemical properties of cartilage as measured by MRI. <i>Arthritis Research and Therapy</i> , 2018, 20, 232.	3.5	49
3	Effect of the mandible on mouthguard measurements of head kinematics. <i>Journal of Biomechanics</i> , 2016, 49, 1845-1853.	2.1	42
4	A New Stress Test for Knee Joint Cartilage. <i>Scientific Reports</i> , 2019, 9, 2283.	3.3	32
5	Injuries of the Head from Backface Deformation of Ballistic Protective Helmets Under Ballistic Impact. <i>Journal of Forensic Sciences</i> , 2015, 60, 219-225.	1.6	31
6	Comparison of Cartilage Mechanical Properties Measured During Creep and Recovery. <i>Scientific Reports</i> , 2020, 10, 1547.	3.3	31
7	Impact responses of the cervical spine: A computational study of the effects of muscle activity, torso constraint, and pre-flexion. <i>Journal of Biomechanics</i> , 2016, 49, 558-564.	2.1	27
8	Importance of Muscle Activations for Biofidelic Pediatric Neck Response in Computational Models. <i>Traffic Injury Prevention</i> , 2013, 14, S116-S127.	1.4	26
9	Effects of Anterior Cruciate Ligament Deficiency on Tibiofemoral Cartilage Thickness and Strains in Response to Hopping. <i>American Journal of Sports Medicine</i> , 2019, 47, 96-103.	4.2	23
10	A comparison of patellofemoral cartilage morphology and deformation in anterior cruciate ligament deficient versus uninjured knees. <i>Journal of Biomechanics</i> , 2018, 67, 78-83.	2.1	19
11	In vivo assessment of the interaction of patellar tendon tibial shaft angle and anterior cruciate ligament elongation during flexion. <i>Journal of Biomechanics</i> , 2019, 90, 123-127.	2.1	16
12	The Characteristic Recovery Time as a Novel, Noninvasive Metric for Assessing In Vivo Cartilage Mechanical Function. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2901-2910.	2.5	16
13	Pediatric Head and Neck Dynamics in Frontal Impact: Analysis of Important Mechanical Factors and Proposed Neck Performance Corridors for 6- and 10-Year-Old ATDs. <i>Traffic Injury Prevention</i> , 2014, 15, 386-394.	1.4	11
14	The response of the adult and ATD heads to impacts onto a rigid surface. <i>Accident Analysis and Prevention</i> , 2014, 72, 219-229.	5.7	11
15	A Comparison of Knee Abduction Angles Measured by a 3D Anatomic Coordinate System Versus Videographic Analysis: Implications for Anterior Cruciate Ligament Injury. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711881983.	1.7	9
16	The compressive stiffness of human pediatric heads. <i>Journal of Biomechanics</i> , 2015, 48, 3766-3775.	2.1	8
17	Meniscus cell regional phenotypes: Dedifferentiation and reversal by biomaterial embedding. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2177-2186.	2.3	8
18	Mechanical metrics may show improved ability to predict osteoarthritis compared to T1rho mapping. <i>Journal of Biomechanics</i> , 2021, 129, 110771.	2.1	6

#	ARTICLE	IF	CITATIONS
19	How few? Bayesian statistics in injury biomechanics. Stapp Car Crash Journal, 2012, 56, 349-86.	1.1	6
20	Pharmacologic targeting of β -catenin improves fracture healing in old mice. Scientific Reports, 2019, 9, 9005.	3.3	5
21	Foul tip impact attenuation of baseball catcher masks using head impact metrics. PLoS ONE, 2018, 13, e0198316.	2.5	3
22	The response of the pediatric head to impacts onto a rigid surface. Journal of Biomechanics, 2019, 93, 167-176.	2.1	3
23	How Few? Bayesian Statistics in Injury Biomechanics. , 0, , .		2
24	Four-Point Bending Testing for Mechanical Assessment of Mouse Bone Structural Properties. Methods in Molecular Biology, 2021, 2230, 199-215.	0.9	2