Jason P Halloran

List of Publications by Year
in descending order

17	732	1040056	888059
papers	citations	9	17
		h-index	g-index

17	17	17	768
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of reporting practices and reproducibility potential of a cohort of published studies in computational knee biomechanics. Journal of Orthopaedic Research, 2023, 41, 325-334.	2.3	5
2	Deciphering the "Art" in Modeling and Simulation of the Knee Joint: Variations in Model Development. Journal of Biomechanical Engineering, 2021, 143, .	1.3	9
3	Specimen specific imaging and joint mechanical testing data for next generation virtual knees. Data in Brief, 2021, 35, 106824.	1.0	6
4	WraptMor: Confirmation of an Approach to Estimate Ligament Fiber Length and Reactions With Knee-Specific Morphology. Journal of Biomechanical Engineering, 2021, 143, .	1.3	2
5	A Method to Compare Heterogeneous Types of Bone and Cartilage Meshes. Journal of Biomechanical Engineering, 2021, 143, .	1.3	5
6	Use of distraction loading to estimate subject-specific knee ligament slack lengths. Journal of Biomechanics, 2019, 92, 1-5.	2.1	11
7	Deciphering the "Art" in Modeling and Simulation of the Knee Joint: Overall Strategy. Journal of Biomechanical Engineering, 2019, 141, .	1.3	34
8	The potential for intercellular mechanical interaction: simulations of single chondrocyte versus anatomically based distribution. Biomechanics and Modeling in Mechanobiology, 2018, 17, 159-168.	2.8	1
9	A general framework for application of prestrain to computational models of biological materials. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 61, 499-510.	3.1	40
10	Commentary on the Integration of Model Sharing and Reproducibility Analysis to Scholarly Publishing Workflow in Computational Biomechanics. IEEE Transactions on Biomedical Engineering, 2016, 63, 2080-2085.	4.2	13
11	Evaluation of a post-processing approach for multiscale analysis of biphasic mechanics of chondrocytes. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 1112-1126.	1.6	8
12	Considerations for reporting finite element analysis studies in biomechanics. Journal of Biomechanics, 2012, 45, 625-633.	2.1	161
13	Adaptive Surrogate Modeling for Expedited Estimation of Nonlinear Tissue Properties Through Inverse Finite Element Analysis. Annals of Biomedical Engineering, 2011, 39, 2388-2397.	2.5	13
14	Concurrent musculoskeletal dynamics and finite element analysis predicts altered gait patterns to reduce foot tissue loading. Journal of Biomechanics, 2010, 43, 2810-2815.	2.1	65
15	Adaptive Surrogate Modeling for Efficient Coupling of Musculoskeletal Control and Tissue Deformation Models. Journal of Biomechanical Engineering, 2009, 131, 011014.	1.3	48
16	Probabilistic finite element prediction of knee wear simulator mechanics. Journal of Biomechanics, 2006, 39, 2303-2310.	2.1	59
17	Explicit finite element modeling of total knee replacement mechanics. Journal of Biomechanics, 2005, 38, 323-331.	2.1	252