Eng Kuan Moo

List of Publications by Year
in descending order

23	379	949033 11	889612 19
papers	citations	h-index	g-index

23	23	23	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chondrocyte morphology as an indicator of collagen network integrity. Connective Tissue Research, 2022, 63, 319-328.	1.1	5
2	The Protective Function of Directed Asymmetry in the Pericellular Matrix Enveloping Chondrocytes. Annals of Biomedical Engineering, 2022, 50, 39-55.	1.3	6
3	Effect of cells on spatial quantification of proteoglycans in articular cartilage of small animals. Connective Tissue Research, 2022, 63, 603-614.	1.1	1
4	Deformation behaviors and mechanical impairments of tissue cracks in immature and mature cartilages. Journal of Orthopaedic Research, 2022, 40, 2103-2112.	1.2	4
5	A musculoskeletal finite element model of rat knee joint for evaluating cartilage biomechanics during gait. PLoS Computational Biology, 2022, 18, e1009398.	1.5	7
6	Collagen fibres determine the crack morphology in articular cartilage. Acta Biomaterialia, 2021, 126, 301-314.	4.1	18
7	Sarcomere Lengths Become More Uniform Over Time in Intact Muscle-Tendon Unit During Isometric Contractions. Frontiers in Physiology, 2020, 11, 448.	1.3	6
8	The sarcomere force-length relationship in an intact muscle-tendon unit. Journal of Experimental Biology, 2020, 223, .	0.8	30
9	On sarcomere length stability during isometric and post-active-stretch isometric contractions. Journal of Experimental Biology, 2019, 222, .	0.8	15
10	Three-dimensional micro-scale strain mapping in living biological soft tissues. Acta Biomaterialia, 2018, 70, 260-269.	4.1	11
11	Single sarcomere contraction dynamics in a whole muscle. Scientific Reports, 2018, 8, 15235.	1.6	30
12	Unfolding of membrane ruffles of in situ chondrocytes under compressive loads. Journal of Orthopaedic Research, 2017, 35, 304-310.	1.2	16
13	Increased Non-Uniformity in In Vivo Sarcomere Length during a Tetanic Contraction. Biophysical Journal, 2017, 112, 115a.	0.2	0
14	Titin force enhancement following active stretch of skinned skeletal muscle fibres. Journal of Experimental Biology, 2017, 220, 3110-3118.	0.8	24
15	In Vivo Sarcomere Lengths Become More Non-uniform upon Activation in Intact Whole Muscle. Frontiers in Physiology, 2017, 8, 1015.	1.3	33
16	In vivo muscle force and muscle power during near-maximal frog jumps. PLoS ONE, 2017, 12, e0173415.	1.1	24
17	In vivo Sarcomere Lengths and Sarcomere Elongations Are Not Uniform across an Intact Muscle. Frontiers in Physiology, 2016, 7, 187.	1.3	73
18	Sarcomere Length and Passive Sarcomere Lengthening are Location-Dependent in Live Mouse Tibialis Anterior Muscle. Biophysical Journal, 2016, 110, 301a.	0.2	0

#	Article	IF	Citations
19	Cartilage and chondrocyte response to extreme muscular loading and impact loading: Can in vivo pre-load decrease impact-induced cell death?. Clinical Biomechanics, 2015, 30, 537-545.	0.5	9
20	Extracellular matrix integrity affects the mechanical behaviour of in-situ chondrocytes under compression. Journal of Biomechanics, 2014, 47, 1004-1013.	0.9	31
21	Strain Rate-Dependent Membrane Reservoir- Key to Chondrocyte Death by Impact. Biophysical Journal, 2014, 106, 451a.	0.2	0
22	The Properties of Chondrocyte Membrane Reservoirs and Their Role in Impact-Induced Cell Death. Biophysical Journal, 2013, 105, 1590-1600.	0.2	18
23	Dual photon excitation microscopy and image threshold segmentation in live cell imaging during compression testing. Journal of Biomechanics, 2013, 46, 2024-2031.	0.9	18