Azim Jinha

List of Publications by Year
in descending order

26 papers	419 citations	840776 11 h-index	888059 17 g-index
26 all docs	26 docs citations	26 times ranked	439 citing authors

#	Article	IF	Citations
1	Titin force is enhanced in actively stretched skeletal muscle. Journal of Experimental Biology, 2014, 217, 3629-36.	1.7	90
2	Predictions of co-contraction depend critically on degrees-of-freedom in the musculoskeletal model. Journal of Biomechanics, 2006, 39, 1145-1152.	2.1	45
3	The role of sarcomere length non-uniformities in residual force enhancement of skeletal muscle myofibrils. Royal Society Open Science, 2016, 3, 150657.	2.4	36
4	Extracellular matrix integrity affects the mechanical behaviour of in-situ chondrocytes under compression. Journal of Biomechanics, 2014, 47, 1004-1013.	2.1	31
5	Analytic analysis of the force sharing among synergistic muscles in one- and two-degree-of-freedom models. Journal of Biomechanics, 2000, 33, 1423-1432.	2.1	29
6	Are titin properties reflected in single myofibrils?. Journal of Biomechanics, 2012, 45, 1893-1899.	2.1	27
7	Changes in patellofemoral joint contact pressures caused by vastus medialis muscle weakness. Clinical Biomechanics, 2012, 27, 595-601.	1.2	27
8	Differences in titin segmental elongation between passive and active stretch in skeletal muscle. Journal of Experimental Biology, 2017, 220, 4418-4425.	1.7	26
9	Titin force enhancement following active stretch of skinned skeletal muscle fibres. Journal of Experimental Biology, 2017, 220, 3110-3118.	1.7	24
10	Functional and Morphological Adaptations to Aging in Knee Extensor Muscles of Physically Active Men. Journal of Applied Biomechanics, 2013, 29, 535-542.	0.8	23
11	Multi-functionality of the cat medical gastrocnemius during locomotion. Journal of Biomechanics, 2005, 38, 1291-1301.	2.1	16
12	On sarcomere length stability during isometric and post-active-stretch isometric contractions. Journal of Experimental Biology, 2019, 222, .	1.7	15
13	An optimal control solution to the predictive dynamics of cycling. Sport Sciences for Health, 2017, 13, 381-393.	1.3	10
14	PREDICTION OF MUSCLE FORCES USING STATIC OPTIMIZATION FOR DIFFERENT CONTRACTILE CONDITIONS. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350022.	0.7	9
15	Muscle strategies for leg extensions on a â€œReformerâ€•apparatus. Journal of Electromyography and Kinesiology, 2015, 25, 260-264.	1.7	5
16	Sarcomere length measurement reliability in single myofibrils. Journal of Biomechanics, 2021, 126, 110628.	2.1	4
17	Hysteresis and Efficiency in Passive Skeletal Muscle Myofibrils. Biophysical Journal, 2012, 102, 360a.	0.5	1
18	I-Band Titin Interaction with Myosin in the Muscle Sarcomere during Eccentric Contraction: The Titin Entanglement Hypothesis. Biophysical Journal, 2016, 110, 302a.	0.5	1

#	Article	IF	Citations
19	Active Force Augmentation for Physiologically Relevant Stretches in Myofibrils and Mechanically Isolated Sarcomeres. Biophysical Journal, 2010, 98, 346a.	0.5	0
20	Z-Line Elongation Observed in Titin Labeled Myofibrils. Biophysical Journal, 2012, 102, 360a.	0.5	0
21	Response to Letter to the Editor regarding Jinha et al. (2009) â€œA task-specific validation of homogeneous non-linear optimization approachesâ€• Journal of Theoretical Biology, 2012, 306, 145.	1.7	0
22	Titin (Visco-) Elasticity and IG Domain Unfolding and Refolding Kinetics. Biophysical Journal, 2013, 104, 310a.	0.5	0
23	An Examination of Sarcomere Length Non-Uniformities in Actively Stretched Muscle Myofibrils. Biophysical Journal, 2014, 106, 764a-765a.	0.5	0
24	An Active Role for Titin in Skeletal Muscle. Biophysical Journal, 2014, 106, 161a.	0.5	0
25	Titin Visco-Elasticity Modulated by Limiting Ig Domain Unfolding and Refolding. Biophysical Journal, 2014, 106, 161a.	0.5	0
26	Titin Hysteresis is Greater for Actively Lengthened Compared to Passively Lengthened Skeletal Muscle Sarcomeres. Biophysical Journal, 2015, 108, 460a.	0.5	0