

Fabio Bianchi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

254
citations

1162367

8
h-index

1199166

12
g-index

12
all docs

12
docs citations

12
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering a uniaxial substrate-stretching device for simultaneous electrophysiological measurements and imaging of strained peripheral neurons. <i>Medical Engineering and Physics</i> , 2019, 67, 1-10.	0.8	8
2	Ion current and action potential alterations in peripheral neurons subject to uniaxial strain. <i>Journal of Neuroscience Research</i> , 2019, 97, 744-751.	1.3	12
3	Membrane Mechanical Properties Regulate the Effect of Strain on Spontaneous Electrophysiology in Human iPSC-Derived Neurons. <i>Neuroscience</i> , 2019, 404, 165-174.	1.1	11
4	3D finite element formulation for mechanical-electrophysiological coupling in axonopathy. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 1025-1050.	3.4	21
5	Aligned electrospun fibers for neural patterning. <i>Biotechnology Letters</i> , 2018, 40, 601-607.	1.1	18
6	Engineered method for directional growth of muscle sheets on electrospun fibers. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1165-1176.	2.1	15
7	Coincidence Detection of Membrane Stretch and Extracellular pH by the Proton-Sensing Receptor OGR1 (GPR68). <i>Current Biology</i> , 2018, 28, 3815-3823.e4.	1.8	52
8	Rapid and efficient differentiation of functional motor neurons from human iPSC for neural injury modelling. <i>Stem Cell Research</i> , 2018, 32, 126-134.	0.3	65
9	Evidences of the Effect of GO and rGO in PCL Membranes on the Differentiation and Maturation of Human Neural Progenitor Cells. <i>Macromolecular Bioscience</i> , 2018, 18, 1800195.	2.1	18
10	Probing multi-scale mechanics of peripheral nerve collagen and myelin by X-ray diffraction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 87, 205-212.	1.5	8
11	Strain partitioning between nerves and axons: Estimating axonal strain using sodium channel staining in intact peripheral nerves. <i>Journal of Neuroscience Methods</i> , 2018, 309, 1-5.	1.3	7
12	Probing multi-scale mechanical damage in connective tissues using X-ray diffraction. <i>Acta Biomaterialia</i> , 2016, 45, 321-327.	4.1	19