Fabio Bianchi

List of Publications by Year
in descending order

12	254	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering a uniaxial substrate-stretching device for simultaneous electrophysiological measurements and imaging of strained peripheral neurons. Medical Engineering and Physics, 2019, 67, 1-10.	1.7	8
2	Ion current and action potential alterations in peripheral neurons subject to uniaxial strain. Journal of Neuroscience Research, 2019, 97, 744-751.	2.9	12
3	Membrane Mechanical Properties Regulate the Effect of Strain on Spontaneous Electrophysiology in Human iPSC-Derived Neurons. Neuroscience, 2019, 404, 165-174.	2.3	11
4	3D finite element formulation for mechanicalâ€“electrophysiological coupling in axonopathy. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 1025-1050.	6.6	21
5	Aligned electrospun fibers for neural patterning. Biotechnology Letters, 2018, 40, 601-607.	2.2	18
6	Engineered method for directional growth of muscle sheets on electrospun fibers. Journal of Biomedical Materials Research - Part A, 2018, 106, 1165-1176.	4.0	15
7	Coincidence Detection of Membrane Stretch and Extracellular pH by the Proton-Sensing Receptor OGR1 (GPR68). Current Biology, 2018, 28, 3815-3823.e4.	3.9	52
8	Rapid and efficient differentiation of functional motor neurons from human iPSC for neural injury modelling. Stem Cell Research, 2018, 32, 126-134.	0.7	65
9	Evidences of the Effect of GO and rGO in PCL Membranes on the Differentiation and Maturation of Human Neural Progenitor Cells. Macromolecular Bioscience, 2018, 18, 1800195.	4.1	18
10	Probing multi-scale mechanics of peripheral nerve collagen and myelin by X-ray diffraction. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 87, 205-212.	3.1	8
11	Strain partitioning between nerves and axons: Estimating axonal strain using sodium channel staining in intact peripheral nerves. Journal of Neuroscience Methods, 2018, 309, 1-5.	2.5	7
12	Probing multi-scale mechanical damage in connective tissues using X-ray diffraction. Acta Biomaterialia, 2016, 45, 321-327.	8.3	19