

Julian H George

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,570
citations

623188

14
h-index

794141

19
g-index

22
all docs

22
docs citations

22
times ranked

6258
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased connectivity of hiPSC-derived neural networks in multiphase granular hydrogel scaffolds. <i>Bioactive Materials</i> , 2022, 9, 358-372.	8.6	21
2	Optogenetically Engineered Neurons Differentiated from Human SH-SY5Y Cells Survived and Expressed ChR2 in 3D Hydrogel. <i>Biomedicines</i> , 2022, 10, 1534.	1.4	0
3	Neural tissue engineering with structured hydrogels in CNS models and therapies. <i>Biotechnology Advances</i> , 2020, 42, 107370.	6.0	78
4	Granular Cellulose Nanofibril Hydrogel Scaffolds for 3D Cell Cultivation. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000191.	2.0	15
5	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
6	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
7	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
8	Optogenetic control of iPSC cell-derived neurons in 2D and 3D culture systems using channelrhodopsin-2 expression driven by the synapsin-1 and calcium-calmodulin kinase II promoters. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 369-384.	1.3	22
9	Aligned electrospun fibers for neural patterning. <i>Biotechnology Letters</i> , 2018, 40, 601-607.	1.1	18
10	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
11	Sacrificial Core-Based Electrospinning: A Facile and Versatile Approach to Fabricate Devices for Potential Cell and Tissue Encapsulation Applications. <i>Nanomaterials</i> , 2018, 8, 863.	1.9	12
12	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
13	A closer look at neuron interaction with track-etched microporous membranes. <i>Scientific Reports</i> , 2018, 8, 15552.	1.6	21
14	Transcriptomics of human multipotent mesenchymal stromal cells: Retrospective analysis and future prospects. <i>Biotechnology Advances</i> , 2017, 35, 407-418.	6.0	22
15	4.13 Use and Manipulation of Microporous Membranes in Mammalian Cell Cultures. , 2017, , 272-292.		3
16	Study of neuroprotective function of <i>Ginkgo biloba</i> extract (EG-761) derived flavonoid monomers using a three-dimensional stem cell-derived neural model. <i>Biotechnology Progress</i> , 2016, 32, 735-744.	1.3	25
17	Electrical Property Characterization of Neural Stem Cells in Differentiation. <i>PLoS ONE</i> , 2016, 11, e0158044.	1.1	29
18	Electrophysiological Properties and Synaptic Function of Mesenchymal Stem Cells during Neurogenic Differentiation – a Mini-Review. <i>International Journal of Artificial Organs</i> , 2012, 35, 323-337.	0.7	23

#	ARTICLE	IF	CITATIONS
19	Synthetic polymer scaffolds for tissue engineering. <i>Chemical Society Reviews</i> , 2009, 38, 1139.	18.7	677
20	Novel materials for bone and cartilage regeneration. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 568-575.	2.8	110
21	Exploring and Engineering the Cell Surface Interface. <i>Science</i> , 2005, 310, 1135-1138.	6.0	2,383