

# In Hong Yang

## List of Publications by Year in descending order

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35  
papers

1,510  
citations

331538

21  
h-index

414303

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic potential of neuromodulation for demyelinating diseases. <i>Neural Regeneration Research</i> , 2021, 16, 214.	1.6	2
2	Development of an Axon-Guiding Aligned Nanofiber-Integrated Compartmentalized Microfluidic Neuron Culture System. <i>ACS Applied Bio Materials</i> , 2021, 4, 8424-8432.	2.3	10
3	Modulation of Neural Activity for Myelination in the Central Nervous System. <i>Frontiers in Neuroscience</i> , 2019, 13, 952.	1.4	17
4	Fibro-Neuronal Guidance on Common, 3D-Printed Textured Substrates. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 226-229.	2.2	10
5	Biofunctionalized platforms towards long-term neural interface. <i>Current Opinion in Biomedical Engineering</i> , 2018, 6, 81-91.	1.8	8
6	Electrospun nanofibers facilitate better alignment, differentiation, and long-term culture in an <i>in vitro</i> model of the neuromuscular junction (NMJ). <i>Biomaterials Science</i> , 2018, 6, 3262-3272.	2.6	40
7	Subcellular Optogenetic Stimulation Platform for Studying Activity-Dependent Axon Myelination In Vitro. <i>Methods in Molecular Biology</i> , 2018, 1791, 207-224.	0.4	5
8	Engineering PCL/lignin nanofibers as an antioxidant scaffold for the growth of neuron and Schwann cell. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 356-365.	2.5	121
9	Neural interfaces engineered via micro- and nanostructured coatings. <i>Nano Today</i> , 2017, 14, 59-83.	6.2	60
10	PanIN Neuroendocrine Cells Promote Tumorigenesis via Neuronal Cross-talk. <i>Cancer Research</i> , 2017, 77, 1868-1879.	0.4	67
11	Static Magnetic Field Stimulation Enhances Oligodendrocyte Differentiation and Secretion of Neurotrophic Factors. <i>Scientific Reports</i> , 2017, 7, 6743.	1.6	57
12	Subcellular electrical stimulation of neurons enhances the myelination of axons by oligodendrocytes. <i>PLoS ONE</i> , 2017, 12, e0179642.	1.1	30
13	Identification of fluocinolone acetonide to prevent paclitaxel-induced peripheral neuropathy. <i>Journal of the Peripheral Nervous System</i> , 2016, 21, 128-133.	1.4	5
14	Subcellular Optogenetic Stimulation for Activity-Dependent Myelination of Axons in a Novel Microfluidic Compartmentalized Platform. <i>ACS Chemical Neuroscience</i> , 2016, 7, 1317-1324.	1.7	41
15	Compartmentalized microfluidic platform integrated with subcellular electrical stimulation for studying activity-dependent axon myelination. , 2016, , .		1
16	Novel RNA- and FMRP-binding protein TRF2-S regulates axonal mRNA transport and presynaptic plasticity. <i>Nature Communications</i> , 2015, 6, 8888.	5.8	34
17	Direct Transfer of Viral and Cellular Proteins from Varicella-Zoster Virus-Infected Non-Neuronal Cells to Human Axons. <i>PLoS ONE</i> , 2015, 10, e0126081.	1.1	15
18	An In Vitro Model of Latency and Reactivation of Varicella Zoster Virus in Human Stem Cell-Derived Neurons. <i>PLoS Pathogens</i> , 2015, 11, e1004885.	2.1	62

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19	Neuromuscular junction in a microfluidic device. , 2013, 2013, 2833-5.		40
20	Neuronal activity promotes myelination via a cAMP pathway. <i>Glia</i> , 2013, 61, 843-854.	2.5	54
21	Retrograde axonal transport of VZV: kinetic studies in hESC-derived neurons. <i>Journal of NeuroVirology</i> , 2012, 18, 462-470.	1.0	34
22	Granzyme B-Induced Neurotoxicity Is Mediated via Activation of PAR-1 Receptor and Kv1.3 Channel. <i>PLoS ONE</i> , 2012, 7, e43950.	1.1	43
23	Axon Myelination and Electrical Stimulation in a Microfluidic, Compartmentalized Cell Culture Platform. <i>NeuroMolecular Medicine</i> , 2012, 14, 112-118.	1.8	51
24	Valve-based microfluidic compression platform: single axon injury and regrowth. <i>Lab on A Chip</i> , 2011, 11, 3888.	3.1	87
25	Efficient Generation of Schwann Cells from Human Embryonic Stem Cell-Derived Neurospheres. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 394-403.	5.6	103
26	Controlling neurite outgrowth with patterned substrates. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 451-456.	2.1	10
27	Engineering neuronal growth cones to promote axon regeneration over inhibitory molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5057-5062.	3.3	127
28	Varicella-Zoster Virus (VZV) Infection of Neurons Derived from Human Embryonic Stem Cells: Direct Demonstration of Axonal Infection, Transport of VZV, and Productive Neuronal Infection. <i>Journal of Virology</i> , 2011, 85, 6220-6233.	1.5	75
29	Can size alone explain some of the differences in toxicity between $\beta$ -amyloid oligomers and fibrils?. <i>Biotechnology and Bioengineering</i> , 2010, 106, 333-337.	1.7	13
30	Circular compartmentalized microfluidic platform: Study of axon-glia interactions. <i>Lab on A Chip</i> , 2010, 10, 741.	3.1	79
31	Compartmentalized microfluidic culture platform to study mechanism of paclitaxel-induced axonal degeneration. <i>Experimental Neurology</i> , 2009, 218, 124-128.	2.0	111
32	Characterization of proteolytically digested Zebrafish chorion as extracellular matrix. , 2008, 2008, 1837-40.		4
33	Alteration of human neuroblastoma cell morphology and neurite extension with micropatterns. <i>Biomaterials</i> , 2005, 26, 6599-6609.	5.7	49
34	Spatially controlled co-culture of neurons and glial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 976-984.	2.1	23
35	Automated On-Line Noninvasive Optical Glucose Monitoring in a Cell Culture System. <i>Applied Spectroscopy</i> , 2002, 56, 51-57.	1.2	22