

Anne Marion Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,507
citations

430874

18
h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

4244
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidic culture platform for CNS axonal injury, regeneration and transport. <i>Nature Methods</i> , 2005, 2, 599-605.	19.0	1,007
2	Microfluidic culture platform for neuroscience research. <i>Nature Protocols</i> , 2006, 1, 2128-2136.	12.0	391
3	Axonal mRNA in Uninjured and Regenerating Cortical Mammalian Axons. <i>Journal of Neuroscience</i> , 2009, 29, 4697-4707.	3.6	337
4	Microfluidic Multicompartment Device for Neuroscience Research. <i>Langmuir</i> , 2003, 19, 1551-1556.	3.5	278
5	Patterned cell culture inside microfluidic devices. <i>Lab on A Chip</i> , 2005, 5, 102.	6.0	255
6	Microfluidic Local Perfusion Chambers for the Visualization and Manipulation of Synapses. <i>Neuron</i> , 2010, 66, 57-68.	8.1	251
7	Postsynaptic Decoding of Neural Activity: eEF2 as a Biochemical Sensor Coupling Miniature Synaptic Transmission to Local Protein Synthesis. <i>Neuron</i> , 2007, 55, 648-661.	8.1	237
8	Micro-scale and microfluidic devices for neurobiology. <i>Current Opinion in Neurobiology</i> , 2010, 20, 640-647.	4.2	102
9	Axonal Translation of β -Catenin Regulates Synaptic Vesicle Dynamics. <i>Journal of Neuroscience</i> , 2013, 33, 5584-5589.	3.6	86
10	The E3 Ubiquitin Ligase TRIM9 Is a Filopodia Off Switch Required for Netrin-Dependent Axon Guidance. <i>Developmental Cell</i> , 2015, 35, 698-712.	7.0	79
11	Gene targeting of GAN in mouse causes a toxic accumulation of microtubule-associated protein 8 and impaired retrograde axonal transport. <i>Human Molecular Genetics</i> , 2006, 15, 1451-1463.	2.9	78
12	Integration of pre-aligned liquid metal electrodes for neural stimulation within a user-friendly microfluidic platform. <i>Lab on A Chip</i> , 2013, 13, 522-526.	6.0	78
13	Passive microfluidic chamber for long-term imaging of axon guidance in response to soluble gradients. <i>Lab on A Chip</i> , 2015, 15, 2781-2789.	6.0	56
14	Microfluidic Chambers for Cell Migration and Neuroscience Research. , 2006, 321, 167-178.		46
15	Messenger RNAs localized to distal projections of human stem cell derived neurons. <i>Scientific Reports</i> , 2017, 7, 611.	3.3	43
16	The proteasome controls presynaptic differentiation through modulation of an on-site pool of polyubiquitinated conjugates. <i>Journal of Cell Biology</i> , 2016, 212, 789-801.	5.2	41
17	Distal axotomy enhances retrograde presynaptic excitability onto injured pyramidal neurons via trans-synaptic signaling. <i>Nature Communications</i> , 2017, 8, 625.	12.8	28
18	External force-assisted cell positioning inside microfluidic devices. <i>Biomedical Microdevices</i> , 2007, 9, 15-23.	2.8	26

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19	Transferable neuronal mini-cultures to accelerate screening in primary and induced pluripotent stem cell-derived neurons. <i>Scientific Reports</i> , 2015, 5, 8353.	3.3	23
20	Multi-compartment Microfluidic Device Geometry and Covalently Bound Poly-D-Lysine Influence Neuronal Maturation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 84.	4.1	17
21	Cloning SU8 silicon masters using epoxy resins to increase feature replicability and production for cell culture devices. <i>Biomicrofluidics</i> , 2015, 9, 036502.	2.4	12
22	Compartmentalization of Human Stem Cell-Derived Neurons within Pre-Assembled Plastic Microfluidic Chips. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	12
23	Use of Pre-Assembled Plastic Microfluidic Chips for Compartmentalizing Primary Murine Neurons. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	11
24	Unique Axon-to-Soma Signaling Pathways Mediate Dendritic Spine Loss and Hyper-Excitability Post-axotomy. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 431.	3.7	9
25	Magnetic Alignment of Microelements Containing Cultured Neuronal Networks for High-Throughput Screening. <i>Journal of Biomolecular Screening</i> , 2015, 20, 1091-1100.	2.6	3
26	DHA promotes presynaptic terminal maturation and function (804.9). <i>FASEB Journal</i> , 2014, 28, 804.9.	0.5	0