Anne Marion Taylor

List of Publications by Year
in descending order

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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	Unique Axon-to-Soma Signaling Pathways Mediate Dendritic Spine Loss and Hyper-Excitability Post-axotomy. Frontiers in Cellular Neuroscience, 2019, 13, 431.	3.7	9
2	Compartmentalization of Human Stem Cell-Derived Neurons within Pre-Assembled Plastic Microfluidic Chips. Journal of Visualized Experiments, 2019, , .	0.3	12
3	Multi-compartment Microfluidic Device Geometry and Covalently Bound Poly-D-Lysine Influence Neuronal Maturation. Frontiers in Bioengineering and Biotechnology, 2019, 7, 84.	4.1	17
4	Use of Pre-Assembled Plastic Microfluidic Chips for Compartmentalizing Primary Murine Neurons. Journal of Visualized Experiments, 2018, , .	0.3	11
5	Messenger RNAs localized to distal projections of human stem cell derived neurons. Scientific Reports, 2017, 7, 611.	3.3	43
6	Distal axotomy enhances retrograde presynaptic excitability onto injured pyramidal neurons via trans-synaptic signaling. Nature Communications, 2017, 8, 625.	12.8	28
7	The proteasome controls presynaptic differentiation through modulation of an on-site pool of polyubiquitinated conjugates. Journal of Cell Biology, 2016, 212, 789-801.	5.2	41
8	Cloning SU8 silicon masters using epoxy resins to increase feature replicability and production for cell culture devices. Biomicrofluidics, 2015, 9, 036502.	2.4	12
9	Transferable neuronal mini-cultures to accelerate screening in primary and induced pluripotent stem cell-derived neurons. Scientific Reports, 2015, 5, 8353.	3.3	23
10	The E3ÂUbiquitin Ligase TRIM9 Is a Filopodia Off Switch Required for Netrin-Dependent Axon Guidance. Developmental Cell, 2015, 35, 698-712.	7.0	79
11	Passive microfluidic chamber for long-term imaging of axon guidance in response to soluble gradients. Lab on A Chip, 2015, 15, 2781-2789.	6.0	56
12	Magnetic Alignment of Microelements Containing Cultured Neuronal Networks for High-Throughput Screening. Journal of Biomolecular Screening, 2015, 20, 1091-1100.	2.6	3
13	DHA promotes presynaptic terminal maturation and function (804.9). FASEB Journal, 2014, 28, 804.9.	0.5	0
14	Integration of pre-aligned liquid metal electrodes for neural stimulation within a user-friendly microfluidic platform. Lab on A Chip, 2013, 13, 522-526.	6.0	78
15	Axonal Translation of Î²-Catenin Regulates Synaptic Vesicle Dynamics. Journal of Neuroscience, 2013, 33, 5584-5589.	3.6	86
16	Micro-scale and microfluidic devices for neurobiology. Current Opinion in Neurobiology, 2010, 20, 640-647.	4.2	102
17	Microfluidic Local Perfusion Chambers for the Visualization and Manipulation of Synapses. Neuron, 2010, 66, 57-68.	8.1	251
18	Axonal mRNA in Uninjured and Regenerating Cortical Mammalian Axons. Journal of Neuroscience, 2009, 29, 4697-4707.	3.6	337

#	Article	IF	Citations
19	Postsynaptic Decoding of Neural Activity: eEF2 as a Biochemical Sensor Coupling Miniature Synaptic Transmission to Local Protein Synthesis. Neuron, 2007, 55, 648-661.	8.1	237
20	External force-assisted cell positioning inside microfluidic devices. Biomedical Microdevices, 2007, 9, 15-23.	2.8	26
21	Microfluidic Chambers for Cell Migration and Neuroscience Research. , 2006, 321, 167-178.		46
22	Microfluidic culture platform for neuroscience research. Nature Protocols, 2006, 1, 2128-2136.	12.0	391
23	Gene targeting of GAN in mouse causes a toxic accumulation of microtubule-associated protein 8 and impaired retrograde axonal transport. Human Molecular Genetics, 2006, 15, 1451-1463.	2.9	78
24	Patterned cell culture inside microfluidic devices. Lab on A Chip, 2005, 5, 102.	6.0	255
25	A microfluidic culture platform for CNS axonal injury, regeneration and transport. Nature Methods, 2005, 2, 599-605.	19.0	1,007
26	Microfluidic Multicompartment Device for Neuroscience Researchâ€. Langmuir, 2003, 19, 1551-1556.	3.5	278