

Alanna J Watt

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,890
citations

566801

15
h-index

610482

24
g-index

32
all docs

32
docs citations

32
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Physiological Activity in the Cerebellum. , 2022, , 379-407.		0
2	Losing the Beat: Contribution of Purkinje Cell Firing Dysfunction to Disease, and Its Reversal. Neuroscience, 2021, 462, 247-261.	1.1	49
3	4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. Cell Reports, 2021, 35, 109036.	2.9	2
4	Purkinje cell axonal swellings enhance action potential fidelity and cerebellar function. Nature Communications, 2021, 12, 4129.	5.8	16
5	Molecular Identity and Location Influence Purkinje Cell Vulnerability in Autosomal-Recessive Spastic Ataxia of Charlevoix-Saguenay Mice. Frontiers in Cellular Neuroscience, 2021, 15, 707857.	1.8	6
6	Sacs R272C missense homozygous mice develop an ataxia phenotype. Molecular Brain, 2019, 12, 19.	1.3	24
7	ATAT1 regulates forebrain development and stress-induced tubulin hyperacetylation. Cellular and Molecular Life Sciences, 2019, 76, 3621-3640.	2.4	20
8	Optimizing Optogenetic Activation of Purkinje Cell Axons to Investigate the Purkinje Cell " DCN Synapse. Frontiers in Synaptic Neuroscience, 2019, 11, 31.	1.3	1
9	The impact of light during the night. ELife, 2019, 8, .	2.8	3
10	Development of Physiological Activity in the Cerebellum. , 2019, , 1-30.		1
11	Development of Physiological Activity in the Cerebellum. , 2019, , 1-30.		0
12	Altered synaptic and firing properties of cerebellar Purkinje cells in a mouse model of ARSACS. Journal of Physiology, 2018, 596, 4253-4267.	1.3	32
13	New old drug(s) for spinocerebellar ataxias. Journal of Physiology, 2017, 595, 5-6.	1.3	2
14	Transient cerebellar alterations during development prior to obvious motor phenotype in a mouse model of spinocerebellar ataxia type 6. Journal of Physiology, 2017, 595, 949-966.	1.3	22
15	Transient Developmental Purkinje Cell Axonal Torpedoes in Healthy and Ataxic Mouse Cerebellum. Frontiers in Cellular Neuroscience, 2016, 10, 248.	1.8	17
16	4-aminopyridine reverses ataxia and cerebellar firing deficiency in a mouse model of spinocerebellar ataxia type 6. Scientific Reports, 2016, 6, 29489.	1.6	82
17	In Vitro Investigation of Synaptic Plasticity. Cold Spring Harbor Protocols, 2016, 2016, pdb.top087262.	0.2	11
18	Long-Term Potentiation by Theta-Burst Stimulation Using Extracellular Field Potential Recordings in Acute Hippocampal Slices. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot091298.	0.2	15

#	ARTICLE	IF	CITATIONS
19	Rapid Onset of Motor Deficits in a Mouse Model of Spinocerebellar Ataxia Type 6 Precedes Late Cerebellar Degeneration. <i>ENeuro</i> , 2015, 2, ENEURO.0094-15.2015.	0.9	42
20	Neuronal morphometry directly from bitmap images. <i>Nature Methods</i> , 2014, 11, 982-984.	9.0	517
21	How to train a neuron. <i>ELife</i> , 2013, 2, e00491.	2.8	0
22	The metamorphosis of the developing cerebellar microcircuit. <i>Current Opinion in Neurobiology</i> , 2011, 21, 245-253.	2.0	32
23	Homeostatic plasticity and STDP: keeping a neuron's cool in a fluctuating world. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 5.	1.3	157
24	Traveling waves in developing cerebellar cortex mediated by asymmetrical Purkinje cell connectivity. <i>Nature Neuroscience</i> , 2009, 12, 463-473.	7.1	170
25	A proportional but slower NMDA potentiation follows AMPA potentiation in LTP. <i>Nature Neuroscience</i> , 2004, 7, 518-524.	7.1	139
26	Activity-Dependent Remodeling of Presynaptic Inputs by Postsynaptic Expression of Activated CaMKII. <i>Neuron</i> , 2003, 39, 269-281.	3.8	93
27	Activity Coregulates Quantal AMPA and NMDA Currents at Neocortical Synapses. <i>Neuron</i> , 2000, 26, 659-670.	3.8	300
28	Cooperation of Sp1 and p300 in the induction of the CDK inhibitor p21WAF1/CIP1 during NGF-mediated neuronal differentiation. <i>Oncogene</i> , 1999, 18, 2872-2882.	2.6	134