Alanna J Watt

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5444954/publications.pdf

Version: 2024-02-01

28	1,890	566801 15	610482 24
papers	citations	h-index	g-index

32	32	32	3135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuronal morphometry directly from bitmap images. Nature Methods, 2014, 11, 982-984.	9.0	517
2	Activity Coregulates Quantal AMPA and NMDA Currents at Neocortical Synapses. Neuron, 2000, 26, 659-670.	3.8	300
3	Traveling waves in developing cerebellar cortex mediated by asymmetrical Purkinje cell connectivity. Nature Neuroscience, 2009, 12, 463-473.	7.1	170
4	Homeostatic plasticity and STDP: keeping a neuron's cool in a fluctuating world. Frontiers in Synaptic Neuroscience, 2010, 2, 5.	1.3	157
5	A proportional but slower NMDA potentiation follows AMPA potentiation in LTP. Nature Neuroscience, 2004, 7, 518-524.	7.1	139
6	Cooperation of Sp1 and p300 in the induction of the CDK inhibitor p21WAF1/CIP1 during NGF-mediated neuronal differentiation. Oncogene, 1999, 18, 2872-2882.	2.6	134
7	Activity-Dependent Remodeling of Presynaptic Inputs by Postsynaptic Expression of Activated CaMKII. Neuron, 2003, 39, 269-281.	3.8	93
8	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
9	Losing the Beat: Contribution of Purkinje Cell Firing Dysfunction to Disease, and Its Reversal. Neuroscience, 2021, 462, 247-261.	1.1	49
10	Rapid Onset of Motor Deficits in a Mouse Model of Spinocerebellar Ataxia Type 6 Precedes Late Cerebellar Degeneration. ENeuro, 2015, 2, ENEURO.0094-15.2015.	0.9	42
11	The metamorphosis of the developing cerebellar microcircuit. Current Opinion in Neurobiology, 2011, 21, 245-253.	2.0	32
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	Sacs R272C missense homozygous mice develop an ataxia phenotype. Molecular Brain, 2019, 12, 19.	1.3	24
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	ATAT1 regulates forebrain development and stress-induced tubulin hyperacetylation. Cellular and Molecular Life Sciences, 2019, 76, 3621-3640.	2.4	20
16	Transient Developmental Purkinje Cell Axonal Torpedoes in Healthy and Ataxic Mouse Cerebellum. Frontiers in Cellular Neuroscience, 2016, 10, 248.	1.8	17
17	Purkinje cell axonal swellings enhance action potential fidelity and cerebellar function. Nature Communications, 2021, 12, 4129.	5.8	16
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	In Vitro Investigation of Synaptic Plasticity. Cold Spring Harbor Protocols, 2016, 2016, pdb.top087262.	0.2	11
20	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
21	The impact of light during the night. ELife, 2019, 8, .	2.8	3
22	New old drug(s) for spinocerebellar ataxias. Journal of Physiology, 2017, 595, 5-6.	1.3	2
23	4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. Cell Reports, 2021, 35, 109036.	2.9	2
24	Optimizing Optogenetic Activation of Purkinje Cell Axons to Investigate the Purkinje Cell â€“ DCN Synapse. Frontiers in Synaptic Neuroscience, 2019, 11, 31.	1.3	1
25	Development of Physiological Activity in the Cerebellum. , 2019, , 1-30.		1
26	How to train a neuron. ELife, 2013, 2, e00491.	2.8	0
27	Development of Physiological Activity in the Cerebellum. , 2019, , 1-30.		0
28	Development of Physiological Activity in the Cerebellum. , 2022, , 379-407.		0