Dion Dickman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8083319/publications.pdf

Version: 2024-02-01

47	2,376	218677	243625
papers	citations	26 h-index	44 g-index

57	57	57	2384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One domain to rule them all: â€œIn synapseâ€•reconstitution of core active zone functions. Neuron, 2022, 110, 1435-1438.	8.1	1
2	Synaptic homeostats: latent plasticity revealed at the Drosophila neuromuscular junction. Cellular and Molecular Life Sciences, 2021, 78, 3159-3179.	5.4	22
3	Antagonistic interactions between two Neuroligins coordinate pre- and postsynaptic assembly. Current Biology, 2021, 31, 1711-1725.e5.	3.9	10
4	Engineering skeletal muscle tissues with advanced maturity improves synapse formation with human induced pluripotent stem cell-derived motor neurons. APL Bioengineering, 2021, 5, 036101.	6.2	13
5	Tissue-Specific Ribosome Profiling in Drosophila. Methods in Molecular Biology, 2021, 2252, 175-188.	0.9	2
6	Autocrine inhibition by a glutamate-gated chloride channel mediates presynaptic homeostatic depression. Science Advances, 2021, 7, eabj1215.	10.3	9
7	Distinct Target-Specific Mechanisms Homeostatically Stabilize Transmission at Pre- and Post-synaptic Compartments. Frontiers in Cellular Neuroscience, 2020, 14, 196.	3.7	9
8	The auxiliary glutamate receptor subunit dSol-1 promotes presynaptic neurotransmitter release and homeostatic potentiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25830-25839.	7.1	10
9	Developmental arrest of Drosophila larvae elicits presynaptic depression and enables prolonged studies of neurodegeneration. Development (Cambridge), 2020, 147, .	2.5	10
10	Cul3 and insomniac are required for rapid ubiquitination of postsynaptic targets and retrograde homeostatic signaling. Nature Communications, 2019, 10, 2998.	12.8	40
11	Endogenous tagging reveals differential regulation of Ca²⁺ channels at single AZs during presynaptic homeostatic potentiation and depression. Journal of Neuroscience, 2019, 39, 3068-18.	3.6	81
12	The E3 ligase Highwire promotes synaptic transmission by targeting the NADâ€synthesizing enzyme dNmnat. EMBO Reports, 2019, 20, .	4.5	13
13	A Screen for Synaptic Growth Mutants Reveals Mechanisms That Stabilize Synaptic Strength. Journal of Neuroscience, 2019, 39, 4051-4065.	3.6	24
14	Rapid active zone remodeling consolidates presynaptic potentiation. Nature Communications, 2019, 10, 1085.	12.8	97
15	Homeostatic scaling of active zone scaffolds maintains global synaptic strength. Journal of Cell Biology, 2019, 218, 1706-1724.	5.2	66
16	Estimation of the Readily Releasable Synaptic Vesicle Pool at the Drosophila Larval Neuromuscular Junction. Bio-protocol, 2019, 9, .	0.4	16
17	Imaging neuropeptide release at synapses with a genetically engineered reporter. ELife, 2019, 8, .	6.0	33
18	Neurodevelopmental disease mechanisms, primary cilia, and endosomes converge on the BLOCâ€1 and BORC complexes. Developmental Neurobiology, 2018, 78, 311-330.	3.0	21

#	Article	IF	Citations
19	Synapse-specific and compartmentalized expression of presynaptic homeostatic potentiation. ELife, 2018, 7, .	6.0	52
20	A Glutamate Homeostat Controls the Presynaptic Inhibition of Neurotransmitter Release. Cell Reports, 2018, 23, 1716-1727.	6.4	38
21	Distinct homeostatic modulations stabilize reduced postsynaptic receptivity in response to presynaptic DLK signaling. Nature Communications, 2018, 9, 1856.	12.8	30
22	TheDrosophilaPostsynaptic DEG/ENaC Channelppk29Contributes to Excitatory Neurotransmission. Journal of Neuroscience, 2017, 37, 3171-3180.	3.6	19
23	The Role of Histone Deacetylase 6 in Synaptic Plasticity and Memory. Cell Reports, 2017, 18, 1337-1345.	6.4	28
24	Extended Synaptotagmin Localizes to Presynaptic ER and Promotes Neurotransmission and Synaptic Growth inDrosophila. Genetics, 2017, 207, 993-1006.	2.9	55
25	Homeostatic plasticity can be induced and expressed to restore synaptic strength at neuromuscular junctions undergoing ALS-related degeneration. Human Molecular Genetics, 2017, 26, 4153-4167.	2.9	56
26	Disparate Postsynaptic Induction Mechanisms Ultimately Converge to Drive the Retrograde Enhancement of Presynaptic Efficacy. Cell Reports, 2017, 21, 2339-2347.	6.4	54
27	A Presynaptic Glutamate Receptor Subunit Confers Robustness to Neurotransmission and Homeostatic Potentiation. Cell Reports, 2017, 19, 2694-2706.	6.4	60
28	Development of a tissue-specific ribosome profiling approach in Drosophila enables genome-wide evaluation of translational adaptations. PLoS Genetics, 2017, 13, e1007117.	3.5	56
29	The BLOC-1 Subunit Pallidin Facilitates Activity-Dependent Synaptic Vesicle Recycling. ENeuro, 2017, 4, ENEURO.0335-16.2017.	1.9	36
30	MCTP is an ER-resident calcium sensor that stabilizes synaptic transmission and homeostatic plasticity. ELife, 2017, 6, .	6.0	42
31	The Proteome of BLOC-1 Genetic Defects Identifies the Arp2/3 Actin Polymerization Complex to Function Downstream of the Schizophrenia Susceptibility Factor Dysbindin at the Synapse. Journal of Neuroscience, 2016, 36, 12393-12411.	3.6	26
32	Editorial: Homeostatic and retrograde signaling mechanisms modulating presynaptic function and plasticity. Frontiers in Cellular Neuroscience, 2015, 9, 380.	3.7	1
33	The Innate Immune Receptor PGRP-LC Controls Presynaptic Homeostatic Plasticity. Neuron, 2015, 88, 1157-1164.	8.1	48
34	Gene Dosage in the Dysbindin Schizophrenia Susceptibility Network Differentially Affect Synaptic Function and Plasticity. Journal of Neuroscience, 2015, 35, 325-338.	3.6	43
35	Endostatin Is a Trans-Synaptic Signal for Homeostatic Synaptic Plasticity. Neuron, 2014, 83, 616-629.	8.1	98
36	New Approaches for Studying Synaptic Development, Function, and Plasticity UsingDrosophilaas a Model System. Journal of Neuroscience, 2013, 33, 17560-17568.	3.6	28

#	Article	IF	Citations
37	Emerging links between homeostatic synaptic plasticity and neurological disease. Frontiers in Cellular Neuroscience, 2013, 7, 223.	3.7	117
38	Snapin is Critical for Presynaptic Homeostatic Plasticity. Journal of Neuroscience, 2012, 32, 8716-8724.	3.6	58
39	Importin-Î²11 Regulates Synaptic Phosphorylated Mothers Against Decapentaplegic, and Thereby Influences Synaptic Development and Function at theDrosophilaNeuromuscular Junction. Journal of Neuroscience, 2010, 30, 5253-5268.	3.6	36
40	A Hierarchy of Cell Intrinsic and Target-Derived Homeostatic Signaling. Neuron, 2010, 66, 220-234.	8.1	88
41	The Schizophrenia Susceptibility Gene dysbindin Controls Synaptic Homeostasis. Science, 2009, 326, 1127-1130.	12.6	195
42	Mutations in aDrosophilaÎ±₂Î´ Voltage-Gated Calcium Channel Subunit Reveal a Crucial Synaptic Function. Journal of Neuroscience, 2008, 28, 31-38.	3.6	74
43	A Drosophila kinesin required for synaptic bouton formation and synaptic vesicle transport. Nature Neuroscience, 2007, 10, 980-989.	14.8	144
44	Altered Synaptic Development and Active Zone Spacing in Endocytosis Mutants. Current Biology, 2006, 16, 591-598.	3.9	160
45	A Slowed Classical Pathway Rather Than Kiss-and-Run Mediates Endocytosis at Synapses Lacking Synaptojanin and Endophilin. Cell, 2005, 123, 521-533.	28.9	176
46	Mapping sites responsible for interactions of agrin with neurons. Journal of Neurochemistry, 2002, 83, 271-284.	3.9	62
47	Class II cytoplasmic and transmembrane domains are not required for class II-mediated B cell spreading. Immunology Letters, 1995, 44, 67-74.	2.5	7