Michael A Cousin

List of Publications by Year
in descending order

62	3,614	159358 30	143772 57
papers	citations	h-index	g-index

67	67	67	3993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FMRP Sustains Presynaptic Function via Control of Activity-Dependent Bulk Endocytosis. Journal of Neuroscience, 2022, 42, 1618-1628.	1.7	9
2	Synaptic Vesicle Recycling and the Endolysosomal System: A Reappraisal of Form and Function. Frontiers in Synaptic Neuroscience, 2022, 14, 826098.	1.3	11
3	A novel synaptopathyâ€defective synaptic vesicle protein trafficking in the mutant CHMP2B mouse model of frontotemporal dementia. Journal of Neurochemistry, 2022, 160, 412-425.	2.1	4
4	Dynamin is primed at endocytic sites for ultrafast endocytosis. Neuron, 2022, 110, 2815-2835.e13.	3.8	38
5	Presynaptic dysfunction in neurodevelopmental disorders: Insights from the synaptic vesicle life cycle. Journal of Neurochemistry, 2021, 157, 179-207.	2.1	51
6	Preface to the Special Issue â€œPresynaptic Dysfunction and Diseaseâ€. Journal of Neurochemistry, 2021, 157, 102-106.	2.1	1
7	Control of synaptic vesicle release probability via VAMP4 targeting to endolysosomes. Science Advances, 2021, 7, .	4.7	22
8	Reciprocal regulation of spontaneous synaptic vesicle fusion by Fragile X mental retardation protein and group I metabotropic glutamate receptors. Journal of Neurochemistry, 2021, 158, 1094-1109.	2.1	3
9	Synaptophysinâ€dependent synaptobrevinâ€2 trafficking at the presynapseâ€Mechanism and function. Journal of Neurochemistry, 2021, 159, 78-89.	2.1	26
10	Synaptophysin controls synaptobrevin-II retrieval via a cryptic C-terminal interaction site. Journal of Biological Chemistry, 2021, 296, 100266.	1.6	10
11	Fine-tuning activity-dependent bulk endocytosis via kinases and phosphatases. Journal of Cell Biology, 2021, 220, .	2.3	0
12	Loss of huntingtin function slows synaptic vesicle endocytosis in striatal neurons from the httQ140/Q140 mouse model of Huntington's disease. Neurobiology of Disease, 2020, 134, 104637.	2.1	24
13	PICK1 Controls Activity-Dependent Synaptic Vesicle Cargo Retrieval. Cell Reports, 2020, 33, 108312.	2.9	9
14	An Epilepsy-Associated SV2A Mutation Disrupts Synaptotagmin-1 Expression and Activity-Dependent Trafficking. Journal of Neuroscience, 2020, 40, 4586-4595.	1.7	26
15	CtBP1-Mediated Membrane Fission Contributes to Effective Recycling of Synaptic Vesicles. Cell Reports, 2020, 30, 2444-2459.e7.	2.9	14
16	Synaptic vesicle generation from activityâ€dependent bulk endosomes requires a dephosphorylationâ€dependent dynaminâ€“syndapin interaction. Journal of Neurochemistry, 2019, 151, 570-583.	2.1	18
17	Synaptophysin sustains presynaptic performance by preserving vesicular synaptobrevinâ€II levels. Journal of Neurochemistry, 2019, 151, 28-37.	2.1	30
18	The Synaptic Vesicle Cycle Revisited: New Insights into the Modes and Mechanisms. Journal of Neuroscience, 2019, 39, 8209-8216.	1.7	129

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19	Activity-dependent bulk endocytosis proteome reveals a key presynaptic role for the monomeric GTPase Rab11. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10177-E10186.	3.3	43
20	SYT1-associated neurodevelopmental disorder: a case series. Brain, 2018, 141, 2576-2591.	3.7	98
21	A (free) radical approach reveals the physiological function of different synaptic vesicle pools. Journal of Physiology, 2017, 595, 1005-1006.	1.3	0
22	Altered synaptobrevin-II trafficking in neurons expressing a synaptophysin mutation associated with a severe neurodevelopmental disorder. Neurobiology of Disease, 2017, 108, 298-306.	2.1	25
23	Integration of Synaptic Vesicle Cargo Retrieval with Endocytosis at Central Nerve Terminals. Frontiers in Cellular Neuroscience, 2017, 11, 234.	1.8	44
24	The iTRAPs: Guardians of Synaptic Vesicle Cargo Retrieval During Endocytosis. Frontiers in Synaptic Neuroscience, 2016, 8, 1.	1.3	40
25	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to Î²-Cell Mitochondrial Dysfunction in Type 2 Diabetes. PLoS Genetics, 2016, 12, e1006033.	1.5	39
26	Synaptic Vesicle Recycling Is Unaffected in the Ts65Dn Mouse Model of Down Syndrome. PLoS ONE, 2016, 11, e0147974.	1.1	4
27	Monitoring activity-dependent bulk endocytosis with the genetically-encoded reporter VAMP4-pHluorin. Journal of Neuroscience Methods, 2016, 266, 1-10.	1.3	13
28	Phosphatidylinositol 3-Kinase Couples Localised Calcium Influx to Activation of Akt in Central Nerve Terminals. Neurochemical Research, 2016, 41, 534-543.	1.6	19
29	A Fine Balance of Synaptophysin Levels Underlies Efficient Retrieval of Synaptobrevin II to Synaptic Vesicles. PLoS ONE, 2016, 11, e0149457.	1.1	28
30	Synaptic vesicle exocytosis and increased cytosolic calcium are both necessary but not sufficient for activityâ€dependent bulk endocytosis. Journal of Neurochemistry, 2015, 134, 405-415.	2.1	19
31	VAMP4 Is an Essential Cargo Molecule for Activity-Dependent Bulk Endocytosis. Neuron, 2015, 88, 973-984.	3.8	60
32	Phosphorylation of Synaptic Vesicle Protein 2A at Thr84 by Casein Kinase 1 Family Kinases Controls the Specific Retrieval of Synaptotagmin-1. Journal of Neuroscience, 2015, 35, 2492-2507.	1.7	70
33	Synaptic Vesicle Generation from Central Nerve Terminal Endosomes. Traffic, 2015, 16, 229-240.	1.3	31
34	Synaptic Vesicle Endocytosis and Endosomal Recycling in Central Nerve Terminals. Neuroscientist, 2015, 21, 413-423.	2.6	14
35	Identification of a human synaptotagmin-1 mutation that perturbs synaptic vesicle cycling. Journal of Clinical Investigation, 2015, 125, 1670-8.	3.9	75
36	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. Nature Communications, 2014, 5, 5774.	5.8	30

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37	A novel mouse model of Warburg Micro Syndrome reveals roles for RAB18 in eye development and organisation of the neuronal cytoskeleton. DMM Disease Models and Mechanisms, 2014, 7, 711-22.	1.2	38
38	X-Linked Intellectual Disability-Associated Mutations in Synaptophysin Disrupt Synaptobrevin II Retrieval. Journal of Neuroscience, 2013, 33, 13695-13700.	1.7	35
39	Control of synaptic vesicle endocytosis by an extracellular signalling molecule. Nature Communications, 2013, 4, 2394.	5.8	31
40	Synaptic Vesicle Generation from Activity-Dependent Bulk Endosomes Requires Calcium and Calcineurin. Journal of Neuroscience, 2013, 33, 3370-3379.	1.7	42
41	Building a Better Dynasore: The Dyngo Compounds Potently Inhibit Dynamin and Endocytosis. Traffic, 2013, 14, 1272-1289.	1.3	243
42	Key Physiological Parameters Dictate Triggering of Activity-Dependent Bulk Endocytosis in Hippocampal Synapses. PLoS ONE, 2012, 7, e38188.	1.1	36
43	Adaptor Protein Complexes 1 and 3 Are Essential for Generation of Synaptic Vesicles from Activity-Dependent Bulk Endosomes. Journal of Neuroscience, 2012, 32, 6014-6023.	1.7	56
44	Akt/<scp>PKB</scp> Controls the Activityâ€Dependent Bulk Endocytosis of Synaptic Vesicles. Traffic, 2012, 13, 1004-1011.	1.3	32
45	Glycogen Synthase Kinase-3. International Journal of Alzheimer's Disease, 2011, 2011, 1-1.	1.1	9
46	Activation of silent and weak synapses by cAMPâ€dependent protein kinase in cultured cerebellar granule neurons. Journal of Physiology, 2011, 589, 1943-1955.	1.3	29
47	Calcineurin Selectively Docks with the Dynamin Ixb Splice Variant to Regulate Activity-dependent Bulk Endocytosis. Journal of Biological Chemistry, 2011, 286, 30295-30303.	1.6	39
48	Synaptophysin Is Required for Synaptobrevin Retrieval during Synaptic Vesicle Endocytosis. Journal of Neuroscience, 2011, 31, 14032-14036.	1.7	104
49	Dynamin I phosphorylation by GSK3 controls activity-dependent bulk endocytosis of synaptic vesicles. Nature Neuroscience, 2010, 13, 845-851.	7.1	156
50	Activity-Dependent Bulk Endocytosis and Clathrin-Dependent Endocytosis Replenish Specific Synaptic Vesicle Pools in Central Nerve Terminals. Journal of Neuroscience, 2010, 30, 8151-8161.	1.7	79
51	The Phospho-Dependent Dynamin-Syndapin Interaction Triggers Activity-Dependent Bulk Endocytosis of Synaptic Vesicles. Journal of Neuroscience, 2009, 29, 7706-7717.	1.7	164
52	The molecular physiology of activityâ€dependent bulk endocytosis of synaptic vesicles. Journal of Neurochemistry, 2009, 111, 901-914.	2.1	146
53	Bulk Synaptic Vesicle Endocytosis Is Rapidly Triggered during Strong Stimulation. Journal of Neuroscience, 2008, 28, 6627-6632.	1.7	145
54	Activity-Dependent Control of Slow Synaptic Vesicle Endocytosis by Cyclin-Dependent Kinase 5. Journal of Neuroscience, 2007, 27, 401-411.	1.7	80

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55	Syndapin I is the phosphorylation-regulated dynamin I partner in synaptic vesicle endocytosis. Nature Neuroscience, 2006, 9, 752-760.	7.1	198
56	Developmental change in the calcium sensor for synaptic vesicle endocytosis in central nerve terminals. Journal of Neurochemistry, 2005, 94, 452-458.	2.1	12
57	Cdk5 is essential for synaptic vesicle endocytosis. Nature Cell Biology, 2003, 5, 701-710.	4.6	290
58	Synapsin I-associated Phosphatidylinositol 3-Kinase Mediates Synaptic Vesicle Delivery to the Readily Releasable Pool. Journal of Biological Chemistry, 2003, 278, 29065-29071.	1.6	58
59	Two Mechanisms of Synaptic Vesicle Recycling in Rat Brain Nerve Terminals. Journal of Neurochemistry, 2002, 75, 1645-1653.	2.1	59
60	The dephosphins: dephosphorylation by calcineurin triggers synaptic vesicle endocytosis. Trends in Neurosciences, 2001, 24, 659-665.	4.2	307
61	Synaptic Vesicle Endocytosis. Molecular Neurobiology, 2000, 22, 115-128.	1.9	43
62	Ca²⁺Influx Inhibits Dynamin and Arrests Synaptic Vesicle Endocytosis at the Active Zone. Journal of Neuroscience, 2000, 20, 949-957.	1.7	86