

Michael A Cousin

List of Publications by Year in descending order

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62
papers

3,614
citations

159358

30
h-index

143772

57
g-index

67
all docs

67
docs citations

67
times ranked

3993
citing authors

#	ARTICLE	IF	CITATIONS
1	The dephosphins: dephosphorylation by calcineurin triggers synaptic vesicle endocytosis. <i>Trends in Neurosciences</i> , 2001, 24, 659-665.	4.2	307
2	Cdk5 is essential for synaptic vesicle endocytosis. <i>Nature Cell Biology</i> , 2003, 5, 701-710.	4.6	290
3	Building a Better Dynasore: The Dyngo Compounds Potently Inhibit Dynamin and Endocytosis. <i>Traffic</i> , 2013, 14, 1272-1289.	1.3	243
4	Syndapin I is the phosphorylation-regulated dynamin I partner in synaptic vesicle endocytosis. <i>Nature Neuroscience</i> , 2006, 9, 752-760.	7.1	198
5	The Phospho-Dependent Dynamin-Syndapin Interaction Triggers Activity-Dependent Bulk Endocytosis of Synaptic Vesicles. <i>Journal of Neuroscience</i> , 2009, 29, 7706-7717.	1.7	164
6	Dynamin I phosphorylation by GSK3 controls activity-dependent bulk endocytosis of synaptic vesicles. <i>Nature Neuroscience</i> , 2010, 13, 845-851.	7.1	156
7	The molecular physiology of activity-dependent bulk endocytosis of synaptic vesicles. <i>Journal of Neurochemistry</i> , 2009, 111, 901-914.	2.1	146
8	Bulk Synaptic Vesicle Endocytosis Is Rapidly Triggered during Strong Stimulation. <i>Journal of Neuroscience</i> , 2008, 28, 6627-6632.	1.7	145
9	The Synaptic Vesicle Cycle Revisited: New Insights into the Modes and Mechanisms. <i>Journal of Neuroscience</i> , 2019, 39, 8209-8216.	1.7	129
10	Synaptophysin Is Required for Synaptobrevin Retrieval during Synaptic Vesicle Endocytosis. <i>Journal of Neuroscience</i> , 2011, 31, 14032-14036.	1.7	104
11	SYT1-associated neurodevelopmental disorder: a case series. <i>Brain</i> , 2018, 141, 2576-2591.	3.7	98
12	Ca ²⁺ Influx Inhibits Dynamin and Arrests Synaptic Vesicle Endocytosis at the Active Zone. <i>Journal of Neuroscience</i> , 2000, 20, 949-957.	1.7	86
13	Activity-Dependent Control of Slow Synaptic Vesicle Endocytosis by Cyclin-Dependent Kinase 5. <i>Journal of Neuroscience</i> , 2007, 27, 401-411.	1.7	80
14	Activity-Dependent Bulk Endocytosis and Clathrin-Dependent Endocytosis Replenish Specific Synaptic Vesicle Pools in Central Nerve Terminals. <i>Journal of Neuroscience</i> , 2010, 30, 8151-8161.	1.7	79
15	Identification of a human synaptotagmin-1 mutation that perturbs synaptic vesicle cycling. <i>Journal of Clinical Investigation</i> , 2015, 125, 1670-8.	3.9	75
16	Phosphorylation of Synaptic Vesicle Protein 2A at Thr84 by Casein Kinase 1 Family Kinases Controls the Specific Retrieval of Synaptotagmin-1. <i>Journal of Neuroscience</i> , 2015, 35, 2492-2507.	1.7	70
17	VAMP4 Is an Essential Cargo Molecule for Activity-Dependent Bulk Endocytosis. <i>Neuron</i> , 2015, 88, 973-984.	3.8	60
18	Two Mechanisms of Synaptic Vesicle Recycling in Rat Brain Nerve Terminals. <i>Journal of Neurochemistry</i> , 2002, 75, 1645-1653.	2.1	59

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19	Synapsin I-associated Phosphatidylinositol 3-Kinase Mediates Synaptic Vesicle Delivery to the Readily Releasable Pool. <i>Journal of Biological Chemistry</i> , 2003, 278, 29065-29071.	1.6	58
20	Adaptor Protein Complexes 1 and 3 Are Essential for Generation of Synaptic Vesicles from Activity-Dependent Bulk Endosomes. <i>Journal of Neuroscience</i> , 2012, 32, 6014-6023.	1.7	56
21	Presynaptic dysfunction in neurodevelopmental disorders: Insights from the synaptic vesicle life cycle. <i>Journal of Neurochemistry</i> , 2021, 157, 179-207.	2.1	51
22	Integration of Synaptic Vesicle Cargo Retrieval with Endocytosis at Central Nerve Terminals. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 234.	1.8	44
23	Synaptic Vesicle Endocytosis. <i>Molecular Neurobiology</i> , 2000, 22, 115-128.	1.9	43
24	Activity-dependent bulk endocytosis proteome reveals a key presynaptic role for the monomeric GTPase Rab11. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10177-E10186.	3.3	43
25	Synaptic Vesicle Generation from Activity-Dependent Bulk Endosomes Requires Calcium and Calcineurin. <i>Journal of Neuroscience</i> , 2013, 33, 3370-3379.	1.7	42
26	The iTRAPs: Guardians of Synaptic Vesicle Cargo Retrieval During Endocytosis. <i>Frontiers in Synaptic Neuroscience</i> , 2016, 8, 1.	1.3	40
27	Calcineurin Selectively Docks with the Dynamin Ixb Splice Variant to Regulate Activity-dependent Bulk Endocytosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 30295-30303.	1.6	39
28	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to Î²-Cell Mitochondrial Dysfunction in Type 2 Diabetes. <i>PLoS Genetics</i> , 2016, 12, e1006033.	1.5	39
29	A novel mouse model of Warburg Micro Syndrome reveals roles for RAB18 in eye development and organisation of the neuronal cytoskeleton. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 711-22.	1.2	38
30	Dynamin is primed at endocytic sites for ultrafast endocytosis. <i>Neuron</i> , 2022, 110, 2815-2835.e13.	3.8	38
31	Key Physiological Parameters Dictate Triggering of Activity-Dependent Bulk Endocytosis in Hippocampal Synapses. <i>PLoS ONE</i> , 2012, 7, e38188.	1.1	36
32	X-Linked Intellectual Disability-Associated Mutations in Synaptophysin Disrupt Synaptobrevin II Retrieval. <i>Journal of Neuroscience</i> , 2013, 33, 13695-13700.	1.7	35
33	Akt/ PKB Controls the Activity-Dependent Bulk Endocytosis of Synaptic Vesicles. <i>Traffic</i> , 2012, 13, 1004-1011.	1.3	32
34	Control of synaptic vesicle endocytosis by an extracellular signalling molecule. <i>Nature Communications</i> , 2013, 4, 2394.	5.8	31
35	Synaptic Vesicle Generation from Central Nerve Terminal Endosomes. <i>Traffic</i> , 2015, 16, 229-240.	1.3	31
36	A molecular toggle after exocytosis sequesters the presynaptic syntaxin1a molecules involved in prior vesicle fusion. <i>Nature Communications</i> , 2014, 5, 5774.	5.8	30

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37	Synaptophysin sustains presynaptic performance by preserving vesicular synaptobrevin levels. <i>Journal of Neurochemistry</i> , 2019, 151, 28-37.	2.1	30
38	Activation of silent and weak synapses by cAMP-dependent protein kinase in cultured cerebellar granule neurons. <i>Journal of Physiology</i> , 2011, 589, 1943-1955.	1.3	29
39	A Fine Balance of Synaptophysin Levels Underlies Efficient Retrieval of Synaptobrevin II to Synaptic Vesicles. <i>PLoS ONE</i> , 2016, 11, e0149457.	1.1	28
40	An Epilepsy-Associated SV2A Mutation Disrupts Synaptotagmin-1 Expression and Activity-Dependent Trafficking. <i>Journal of Neuroscience</i> , 2020, 40, 4586-4595.	1.7	26
41	Synaptophysin-dependent synaptobrevin trafficking at the presynapse: Mechanism and function. <i>Journal of Neurochemistry</i> , 2021, 159, 78-89.	2.1	26
42	Altered synaptobrevin-II trafficking in neurons expressing a synaptophysin mutation associated with a severe neurodevelopmental disorder. <i>Neurobiology of Disease</i> , 2017, 108, 298-306.	2.1	25
43	Loss of huntingtin function slows synaptic vesicle endocytosis in striatal neurons from the httQ140/Q140 mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , 2020, 134, 104637.	2.1	24
44	Control of synaptic vesicle release probability via VAMP4 targeting to endolysosomes. <i>Science Advances</i> , 2021, 7, .	4.7	22
45	Synaptic vesicle exocytosis and increased cytosolic calcium are both necessary but not sufficient for activity-dependent bulk endocytosis. <i>Journal of Neurochemistry</i> , 2015, 134, 405-415.	2.1	19
46	Phosphatidylinositol 3-Kinase Couples Localised Calcium Influx to Activation of Akt in Central Nerve Terminals. <i>Neurochemical Research</i> , 2016, 41, 534-543.	1.6	19
47	Synaptic vesicle generation from activity-dependent bulk endosomes requires a dephosphorylation-dependent dynamin-syndapin interaction. <i>Journal of Neurochemistry</i> , 2019, 151, 570-583.	2.1	18
48	Synaptic Vesicle Endocytosis and Endosomal Recycling in Central Nerve Terminals. <i>Neuroscientist</i> , 2015, 21, 413-423.	2.6	14
49	CtBP1-Mediated Membrane Fission Contributes to Effective Recycling of Synaptic Vesicles. <i>Cell Reports</i> , 2020, 30, 2444-2459.e7.	2.9	14
50	Monitoring activity-dependent bulk endocytosis with the genetically-encoded reporter VAMP4-pHluorin. <i>Journal of Neuroscience Methods</i> , 2016, 266, 1-10.	1.3	13
51	Developmental change in the calcium sensor for synaptic vesicle endocytosis in central nerve terminals. <i>Journal of Neurochemistry</i> , 2005, 94, 452-458.	2.1	12
52	Synaptic Vesicle Recycling and the Endolysosomal System: A Reappraisal of Form and Function. <i>Frontiers in Synaptic Neuroscience</i> , 2022, 14, 826098.	1.3	11
53	Synaptophysin controls synaptobrevin-II retrieval via a cryptic C-terminal interaction site. <i>Journal of Biological Chemistry</i> , 2021, 296, 100266.	1.6	10
54	Glycogen Synthase Kinase-3. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-1.	1.1	9

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55	PICK1 Controls Activity-Dependent Synaptic Vesicle Cargo Retrieval. <i>Cell Reports</i> , 2020, 33, 108312.	2.9	9
56	FMRP Sustains Presynaptic Function via Control of Activity-Dependent Bulk Endocytosis. <i>Journal of Neuroscience</i> , 2022, 42, 1618-1628.	1.7	9
57	Synaptic Vesicle Recycling Is Unaffected in the Ts65Dn Mouse Model of Down Syndrome. <i>PLoS ONE</i> , 2016, 11, e0147974.	1.1	4
58	A novel synaptopathyâ€defective synaptic vesicle protein trafficking in the mutant CHMP2B mouse model of frontotemporal dementia. <i>Journal of Neurochemistry</i> , 2022, 160, 412-425.	2.1	4
59	Reciprocal regulation of spontaneous synaptic vesicle fusion by Fragile X mental retardation protein and group I metabotropic glutamate receptors. <i>Journal of Neurochemistry</i> , 2021, 158, 1094-1109.	2.1	3
60	Preface to the Special Issue â€œPresynaptic Dysfunction and Diseaseâ€• <i>Journal of Neurochemistry</i> , 2021, 157, 102-106.	2.1	1
61	A (free) radical approach reveals the physiological function of different synaptic vesicle pools. <i>Journal of Physiology</i> , 2017, 595, 1005-1006.	1.3	0
62	Fine-tuning activity-dependent bulk endocytosis via kinases and phosphatases. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	0