

Bettina Winckler

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,516
citations

186265
28
h-index

206112
48
g-index

114
all docs

114
docs citations

114
times ranked

3069
citing authors

#	ARTICLE	IF	CITATIONS
1	A diffusion barrier maintains distribution of membrane proteins in polarized neurons. <i>Nature</i> , 1999, 397, 698-701.	27.8	383
2	Uncovering multiple axonal targeting pathways in hippocampal neurons. <i>Journal of Cell Biology</i> , 2003, 162, 1317-1328.	5.2	155
3	Neuronal Polarity. <i>Neuron</i> , 1999, 23, 637-640.	8.1	125
4	Role of Pur α in targeting mRNA to sites of translation in hippocampal neuronal dendrites. <i>Journal of Neuroscience Research</i> , 2006, 83, 929-943.	2.9	113
5	Mechanisms of polarized membrane trafficking in neurons – Focusing in on endosomes. <i>Molecular and Cellular Neurosciences</i> , 2011, 48, 278-287.	2.2	109
6	Degradation of dendritic cargos requires Rab7-dependent transport to somatic lysosomes. <i>Journal of Cell Biology</i> , 2018, 217, 3141-3159.	5.2	106
7	The somatodendritic endosomal regulator NEEP21 facilitates axonal targeting of L1/NgCAM. <i>Journal of Cell Biology</i> , 2008, 180, 827-842.	5.2	105
8	Ankyrin-Dependent and -Independent Mechanisms Orchestrate Axonal Compartmentalization of L1 Family Members Neurofascin and L1/Neuron-Glia Cell Adhesion Molecule. <i>Journal of Neuroscience</i> , 2007, 27, 590-603.	3.6	99
9	The Endolysosomal System and Proteostasis: From Development to Degeneration. <i>Journal of Neuroscience</i> , 2018, 38, 9364-9374.	3.6	94
10	Harnessing the Power of the Endosome to Regulate Neural Development. <i>Neuron</i> , 2012, 74, 440-451.	8.1	88
11	Mechanisms by which a <i>CACNA1H</i> mutation in epilepsy patients increases seizure susceptibility. <i>Journal of Physiology</i> , 2014, 592, 795-809.	2.9	72
12	Recycling Endosomes of Polarized Epithelial Cells Actively Sort Apical and Basolateral Cargos into Separate Subdomains. <i>Molecular Biology of the Cell</i> , 2007, 18, 2687-2697.	2.1	69
13	Doublecortin (Dcx) Family Proteins Regulate Filamentous Actin Structure in Developing Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 709-721.	3.6	67
14	The neurotrophin receptor signaling endosome: Where trafficking meets signaling. <i>Developmental Neurobiology</i> , 2017, 77, 405-418.	3.0	64
15	Trafficking Guidance Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a001826-a001826.	5.5	54
16	Doublecortin (DCX) Mediates Endocytosis of Neurofascin Independently of Microtubule Binding. <i>Journal of Neuroscience</i> , 2012, 32, 7439-7453.	3.6	46
17	Transcytosis of NgCAM in epithelial cells reflects differential signal recognition on the endocytic and secretory pathways. <i>Journal of Cell Biology</i> , 2005, 170, 595-605.	5.2	45
18	Intermediate filaments in developing neurons: Beyond structure. <i>Cytoskeleton</i> , 2020, 77, 110-128.	2.0	45

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19	Chapter 7 Compartmentalizing the Neuronal Plasma Membrane. International Review of Cell and Molecular Biology, 2008, 272, 303-389.	3.2	43
20	Association of ezrin isoforms with the neuronal cytoskeleton. Journal of Neuroscience Research, 1991, 30, 232-241.	2.9	41
21	Pathway selection to the axon depends on multiple targeting signals in NgCAM. Journal of Cell Science, 2008, 121, 1514-1525.	2.0	41
22	A role for microtubule bundles in the morphogenesis of chicken erythrocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6033-6037.	7.1	39
23	Endocytosis and Endosomes at the Crossroads of Regulating Trafficking of Axon Outgrowthâ€”Modifying Receptors. Traffic, 2011, 12, 1099-1108.	2.7	38
24	Neuronal Early Endosomes Require EHD1 for L1/NgCAM Trafficking. Journal of Neuroscience, 2010, 30, 16485-16497.	3.6	37
25	Adapting for endocytosis: roles for endocytic sorting adaptors in directing neural development. Frontiers in Cellular Neuroscience, 2015, 9, 119.	3.7	37
26	Alterations of EHD1/EHD4 Protein Levels Interfere with L1/NgCAM Endocytosis in Neurons and Disrupt Axonal Targeting. Journal of Neuroscience, 2010, 30, 6646-6657.	3.6	33
27	A potassium leak channel silences hyperactive neurons and ameliorates status epilepticus. Epilepsia, 2014, 55, 203-213.	5.1	30
28	No diffusion barrier at axon hillock. Nature, 1996, 379, 213-213.	27.8	28
29	The endosomal neuronal proteins Nsg1/NEEP21 and Nsg2/P19 are itinerant, not resident proteins of dendritic endosomes. Scientific Reports, 2017, 7, 10481.	3.3	28
30	Neuron-Specific Gene 2 (NSG2) Encodes an AMPA Receptor Interacting Protein That Modulates Excitatory Neurotransmission. ENeuro, 2019, 6, ENEURO.0292-18.2018.	1.9	25
31	Inhibition of sphingolipid synthesis affects kinetics but not fidelity of L1/NgCAM transport along direct but not transcytotic axonal pathways. Molecular and Cellular Neurosciences, 2006, 31, 525-538.	2.2	20
32	A dominant dendrite phenotype caused by the disease-associated G253D mutation in doublecortin (DCX) is not due to its endocytosis defect. Journal of Biological Chemistry, 2018, 293, 18890-18902.	3.4	20
33	Myelin under constructionâ€”teamwork required. Journal of Cell Biology, 2006, 172, 799-801.	5.2	19
34	Scientiae forum/Models and speculations Pathways for axonal targeting of membrane proteins. Biology of the Cell, 2004, 96, 669-674.	2.0	18
35	Maturation Conversion of Dendritic Early Endosomes and Their Roles in L1-Mediated Axon Growth. Journal of Neuroscience, 2014, 34, 14633-14643.	3.6	18
36	Transcytosis of TrkA leads to diversification of dendritic signaling endosomes. Scientific Reports, 2018, 8, 4715.	3.3	17

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37	BDNF Instructs the Kinase LKB1 To Grow an Axon. <i>Cell</i> , 2007, 129, 459-460.	28.9	16
38	Different Doublecortin (DCX) Patient Alleles Show Distinct Phenotypes in Cultured Neurons. <i>Journal of Biological Chemistry</i> , 2016, 291, 26613-26626.	3.4	14
39	The related neuronal endosomal proteins NEEP21 (Nsg1) and P19 (Nsg2) have divergent expression profiles in vivo. <i>Journal of Comparative Neurology</i> , 2017, 525, 1861-1878.	1.6	14
40	Nestin Selectively Facilitates the Phosphorylation of the Lissencephaly-Linked Protein Doublecortin (DCX) by cdk5/p35 to Regulate Growth Cone Morphology and Sema3a Sensitivity in Developing Neurons. <i>Journal of Neuroscience</i> , 2020, 40, 3720-3740.	3.6	14
41	Dynein Is Required for Rab7-Dependent Endosome Maturation, Retrograde Dendritic Transport, and Degradation. <i>Journal of Neuroscience</i> , 2022, 42, 4415-4434.	3.6	13
42	A new Rab7 effector controls phosphoinositide conversion in endosome maturation. <i>Journal of Cell Biology</i> , 2017, 216, 2995-2997.	5.2	12
43	Picket and Other Fences in Biological Membranes. <i>Developmental Cell</i> , 2003, 5, 191-192.	7.0	11
44	p75NTR and DR6 Regulate Distinct Phases of Axon Degeneration Demarcated by Spheroid Rupture. <i>Journal of Neuroscience</i> , 2019, 39, 9503-9520.	3.6	10
45	Ctip2-, Satb2-, Prox1-, and GAD65-Expressing Neurons in Rat Cultures: Preponderance of Single- and Double-Positive Cells, and Cell Type-Specific Expression of Neuron-Specific Gene Family Members, Nsg-1 (NEEP21) and Nsg-2 (P19). <i>PLoS ONE</i> , 2015, 10, e0140010.	2.5	9
46	Studying endosomes in cultured neurons by live-cell imaging. <i>Methods in Cell Biology</i> , 2016, 131, 389-408.	1.1	5
47	Dynamics and distribution of endosomes and lysosomes in dendrites. <i>Current Opinion in Neurobiology</i> , 2022, 74, 102537.	4.2	5
48	Cordon-Bleu: A New Taste in Actin Nucleation. <i>Cell</i> , 2007, 131, 236-238.	28.9	4
49	Acid Indigestion in the Endosome: Linking Signaling Dysregulation to Neurodevelopmental Disorders. <i>Neuron</i> , 2013, 80, 4-6.	8.1	4
50	Spatial regulation of endosomes in growing dendrites. <i>Developmental Biology</i> , 2022, 486, 5-14.	2.0	4
51	TGF- β 2 Receptors Participate in Axon Formation. <i>Cell</i> , 2010, 142, 21-23.	28.9	3
52	Introduction to the special issue on membrane trafficking in neurons. <i>Developmental Neurobiology</i> , 2018, 78, 167-169.	3.0	2
53	Membrane Trafficking Mechanisms: Exocytosis and Endocytosis in Dendrites. , 2016, , 77-109.		1
54	TrkA Bumps into Its Future Self. <i>Developmental Cell</i> , 2017, 42, 557-558.	7.0	1

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55	Bettina Winckler: Neuronal polarity on her mind. <i>Journal of Cell Biology</i> , 2010, 191, 4-5.	5.2	0
56	Editorial overview: Cellular neuroscience. <i>Current Opinion in Neurobiology</i> , 2016, 39, v-vii.	4.2	0
57	Lysosomes to the rescue: Anterograde axonal lysosome transport and neuronal proteostasis. <i>Developmental Cell</i> , 2021, 56, 1361-1362.	7.0	0