Phillip Robert Gordon-Weeks

List of Publications by Year
in descending order

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		71102	85541
104	5,422	41	71
papers	citations	h-index	g-index

106	106	106	4776
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	The drebrin/EB3 pathway regulates cytoskeletal dynamics to drive neuritogenesis in embryonic cortical neurons. Journal of Neurochemistry, 2021, , .	3.9	4
2	Drebrin-mediated microtubuleâ€“actomyosin coupling steers cerebellar granule neuron nucleokinesis and migration pathway selection. Nature Communications, 2017, 8, 14484.	12.8	45
3	The drebrin/EB3 pathway drives invasive activity in prostate cancer. Oncogene, 2017, 36, 4111-4123.	5.9	13
4	Phosphorylation of Drebrin and Its Role in Neuritogenesis. Advances in Experimental Medicine and Biology, 2017, 1006, 49-60.	1.6	8
5	The Role of Drebrin in Cancer Cell Invasion. Advances in Experimental Medicine and Biology, 2017, 1006, 375-389.	1.6	9
6	The role of the drebrin/EB3/Cdk5 pathway in dendritic spine plasticity, implications for Alzheimerâ€™s disease. Brain Research Bulletin, 2016, 126, 293-299.	3.0	23
7	The Actin-Binding Protein Drebrin Inhibits Neointimal Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 984-993.	2.4	15
8	Drebrin Regulates Neuroblast Migration in the Postnatal Mammalian Brain. PLoS ONE, 2015, 10, e0126478.	2.5	31
9	Neuronal cytoskeleton in synaptic plasticity and regeneration. Journal of Neurochemistry, 2014, 129, 206-212.	3.9	95
10	Drebrin contains a cryptic F-actinâ€“bundling activity regulated by Cdk5 phosphorylation. Journal of Cell Biology, 2013, 202, 793-806.	5.2	97
11	MAP1B enhances microtubule assembly rates and axon extension rates in developing neurons. Molecular and Cellular Neurosciences, 2012, 49, 110-119.	2.2	72
12	Drebrin controls neuronal migration through the formation and alignment of the leading process. Molecular and Cellular Neurosciences, 2012, 49, 341-350.	2.2	45
13	Evolution of the spatial distribution of MAP1B phosphorylation sites in vertebrate neurons. Journal of Anatomy, 2010, 216, 692-704.	1.5	9
14	The neuronâ€•specific isoform of glycogen synthase kinaseâ€•3Î² is required for axon growth. Journal of Neurochemistry, 2010, 113, 117-130.	3.9	54
15	Evidence that glycogen synthase kinaseâ€•3 isoforms have distinct substrate preference in the brain. Journal of Neurochemistry, 2010, 115, 974-983.	3.9	107
16	Nonprimed and DYRK1A-primed GSK3Î²-phosphorylation sites on MAP1B regulate microtubule dynamics in growing axons. Journal of Cell Science, 2009, 122, 2424-2435.	2.0	92
17	Cytoskeletal dynamics in growth-cone steering. Journal of Cell Science, 2009, 122, 3595-3604.	2.0	247
18	An alternatively spliced form of glycogen synthase kinase-3Î² is targeted to growing neurites and growth cones. Molecular and Cellular Neurosciences, 2009, 42, 184-194.	2.2	42

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19	Targeting of the F-actin-binding protein drebrin by the microtubule plus-tip protein EB3 is required for neuritogenesis. Nature Cell Biology, 2008, 10, 1181-1189.	10.3	220
20	DAPK-1 Binding to a Linear Peptide Motif in MAP1B Stimulates Autophagy and Membrane Blebbing. Journal of Biological Chemistry, 2008, 283, 9999-10014.	3.4	120
21	The immunolocalization of the synaptic glycoprotein neuroplastin differs substantially between the human and the rodent brain. Brain Research, 2007, 1134, 107-112.	2.2	24
22	Role of Microtubules and MAPs During Neuritogenesis. , 2007, , 57-88.		7
23	The Drosophila microtubule associated protein Futsch is phosphorylated by Shaggy/Zeste-white 3 at an homologous GSK3Î² phosphorylation site in MAP1B. Molecular and Cellular Neurosciences, 2006, 33, 188-199.	2.2	43
24	Tubulin tyrosination is a major factor affecting the recruitment of CAP-Gly proteins at microtubule plus ends. Journal of Cell Biology, 2006, 174, 839-849.	5.2	271
25	Glycogen synthase kinase-3Î² phosphorylation of MAP1B at Ser1260 and Thr1265 is spatially restricted to growing axons. Journal of Cell Science, 2005, 118, 993-1005.	2.0	147
26	The MAP kinase pathway is upstream of the activation of GSK3Î² that enables it to phosphorylate MAP1B and contributes to the stimulation of axon growth. Molecular and Cellular Neurosciences, 2005, 28, 524-534.	2.2	92
27	Actin dynamics: re-drawing the map. Nature Cell Biology, 2004, 6, 390-391.	10.3	5
28	NGF activates the phosphorylation of MAP1B by GSK3Î² through the TrkA receptor and not the p75NTR receptor. Journal of Neurochemistry, 2004, 87, 935-946.	3.9	48
29	Microtubules and growth cone function. Journal of Neurobiology, 2004, 58, 70-83.	3.6	186
30	Glycogen synthase kinase 3Î² and the regulation of axon growth. Biochemical Society Transactions, 2004, 32, 809-811.	3.4	49
31	Dynamic properties of APC-decorated microtubules in living cells. Cytoskeleton, 2003, 54, 237-247.	4.4	9
32	Expression of the immunoglobulin superfamily neuroplastin adhesion molecules in adult and developing mouse cerebellum and their localisation to parasagittal stripes. Journal of Comparative Neurology, 2003, 462, 286-301.	1.6	41
33	Inhibition of glycogen synthase kinase 3Î² in sensory neurons in culture alters filopodia dynamics and microtubule distribution in growth cones. Molecular and Cellular Neurosciences, 2003, 23, 626-637.	2.2	99
34	Valproate Regulates GSK-3-Mediated Axonal Remodeling and Synapsin I Clustering in Developing Neurons. Molecular and Cellular Neurosciences, 2002, 20, 257-270.	2.2	151
35	The non-immunosuppressive immunophilin ligand GPI-1046 potently stimulates regenerating axon growth from adult mouse dorsal root ganglia cultured in Matrigel. Neuroscience, 2002, 114, 601-609.	2.3	26
36	Microtubule-associated protein 1B is involved in the initial stages of axonogenesis in peripheral nervous system cultured neurons. Brain Research, 2002, 943, 56-67.	2.2	60

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37	Partial regeneration and long-term survival of rat retinal ganglion cells after optic nerve crush is accompanied by altered expression, phosphorylation and distribution of cytoskeletal proteins. European Journal of Neuroscience, 2002, 15, 1433-1443.	2.6	37
38	Microtubule-associated protein 1B phosphorylation by glycogen synthase kinase 3Î² is induced during PC12 cell differentiation. Journal of Cell Science, 2001, 114, 4273-4284.	2.0	70
39	MAP1B expression and microtubule stability in growing and regenerating axons. Microscopy Research and Technique, 2000, 48, 63-74.	2.2	113
40	MAP1B expression and microtubule stability in growing and regenerating axons. Microscopy Research and Technique, 2000, 48, 63.	2.2	6
41	The protein MAP-1B links GABAC receptors to the cytoskeleton at retinal synapses. Nature, 1999, 397, 66-69.	27.8	130
42	Monoclonal antibody 2G13, a new axonal growth cone marker. Journal of Neurocytology, 1999, 28, 1035-1044.	1.5	12
43	Chapter 9 Microtubule organization in growth cones and their role in pathfinding. Principles of Medical Biology, 1998, , 167-186.	0.1	0
44	Inhibition of GSK-3Î² leading to the loss of phosphorylated MAP-1B is an early event in axonal remodelling induced by WNT-7a or lithium. Journal of Cell Science, 1998, 111, 1351-1361.	2.0	279
45	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B. Journal of Anatomy, 1997, 191, 229-244.	1.5	20
46	Localisation of Microtubuleâ€Associated Protein 1B Phosphorylation Sites Recognised by Monoclonal Antibody SMIâ€31. Journal of Neurochemistry, 1997, 69, 1417-1424.	3.9	32
47	Expression of a developmentally regulated, phosphorylated isoform of microtubule-associated protein 1B in sprouting and regenerating axons in vitro. Neuroscience, 1996, 73, 541-551.	2.3	23
48	Expression of a developmentally regulated, phosphorylated isoform of microtubule-associated protein 1B in regenerating axons of the sciatic nerve. Neuroscience, 1996, 73, 553-563.	2.3	36
49	The neuronal cytoskeleton. Cytoskeleton: A Multi-Volume Treatise, 1996, , 185-227.	0.1	0
50	Microtubule reorganization is obligatory for growth cone turning. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15221-15226.	7.1	126
51	An Analysis of an Axonal Gradient of Phosphorylated MAP 1B in Cultured Rat Sensory Neurons. European Journal of Neuroscience, 1996, 8, 235-248.	2.6	42
52	Phosphorylation of microtubule-associated protein IB and axonal growth. Biochemical Society Transactions, 1995, 23, 37-40.	3.4	3
53	Distribution and expression of developmentally regulated phosphorylation epitopes on MAP 1B and neurofilament proteins in the developing rat spinal cord. Journal of Neurocytology, 1994, 23, 682-698.	1.5	31
54	Expression of PAC 1, an epitope associated with two synapse-enriched glycoproteins and a neuronal cytoskeleton-associated polypeptide in developing forebrain neurons. Neuroscience, 1994, 58, 115-129.	2.3	4

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55	Organization of microtubules in axonal growth cones: a role for microtubule-associated protein MAP 1B. Journal of Neurocytology, 1993, 22, 717-725.	1.5	48
56	A Phosphorylation Epitope on MAP 1B that is Transiently Expressed in Growing Axons in the Developing Rat Nervous System. European Journal of Neuroscience, 1993, 5, 1302-1311.	2.6	48
57	The organization of F-actin and microtubules in growth cones exposed to a brain-derived collapsing factor.. Journal of Cell Biology, 1993, 121, 867-878.	5.2	249
58	Glycoproteins of the growth-cone membrane skeleton. Biochemical Society Transactions, 1992, 20, 396-398.	3.4	3
59	Characterisation of two novel glycoproteins in the membrane skeleton of the growth cone. Biochemical Society Transactions, 1992, 20, 154S-154S.	3.4	0
60	A study of the expression of laminin in the spinal cord of the frog during development and regeneration. Experimental Physiology, 1992, 77, 681-692.	2.0	6
61	Widespread Distribution of Synaptophysin, a Synaptic Vesicle Glycoprotein, in Growing Neurites and Growth Cones. European Journal of Neuroscience, 1992, 4, 1180-1190.	2.6	27
62	Pac 1: An epitope associated with two novel glycoprotein components of isolated postsynaptic densities and a novel cytoskeleton-associated polypeptide. Neuroscience, 1991, 44, 627-641.	2.3	10
63	Evidence for microtubule capture by filopodial actin filaments in growth cones. NeuroReport, 1991, 2, 573-576.	1.2	54
64	Microtubule organization in growth cones. Biochemical Society Transactions, 1991, 19, 1080-1085.	3.4	7
65	Calcium-Independent ?-Aminobutyric Acid Release from Growth Cones: Role of ?-Aminobutyric Acid Transport. Journal of Neurochemistry, 1991, 56, 273-280.	3.9	76
66	Growth cones: The mechanism of neurite advance. BioEssays, 1991, 13, 235-239.	2.5	45
67	Dynamic post-translational modification of tubulin in rat cerebral cortical neurons extending neurites in culture: Effects of taxol. Journal of Neurocytology, 1991, 20, 654-666.	1.5	44
68	The distribution and phosphorylation of the microtubule-associated protein MAP 1B in growth cones. Journal of Neurocytology, 1991, 20, 1007-1022.	1.5	61
69	Control of microtubule assembly in growth cones. Journal of Cell Science, 1991, 1991, 45-49.	2.0	36
70	GABAergic Growth Cones: Release of Endogenous ?-Aminobutyric Acid Precedes the Expression of Synaptic Vesicle Antigens. Journal of Neurochemistry, 1990, 54, 1689-1699.	3.9	85
71	GAP-43 in growth cones is associated with areas of membrane that are tightly bound to substrate and is a component of a membrane skeleton subcellular fraction. Journal of Neuroscience, 1990, 10, 256-266.	3.6	179
72	Transient expression of laminin immunoreactivity in the developing rat hippocampus. Journal of Neurocytology, 1989, 18, 451-463.	1.5	25

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73	Developmental Changes in the Calcium Dependency of ?-Aminobutyric Acid Release from Isolated Growth Cones: Correlation with Growth Cone Morphology. Journal of Neurochemistry, 1989, 53, 834-843.	3.9	36
74	Direct visualisation of the soluble pool of tubulin in the neuronal growth cone: immunofluorescence studies following taxol polymerisation. Developmental Brain Research, 1989, 49, 305-310.	1.7	18
75	Growth at the growth cone. Trends in Neurosciences, 1989, 12, 238-240.	8.6	20
76	Gap-43 â€" What does it do in the growth cone?. Trends in Neurosciences, 1989, 12, 363-365.	8.6	55
77	Expression of two synapse-enriched glycoproteins, gp65 and gp55, during rat brain development. Biochemical Society Transactions, 1989, 17, 770-771.	3.4	7
78	Preparation and Characterisation of a Monoclonal Antibody to an Antigen Enriched in Chick Brain Postsynaptic Densities. Journal of Neurochemistry, 1988, 51, 442-450.	3.9	6
79	The ultrastructure of the neuronal growth cone: New insights from subcellular fractionation and rapid freezing studies. Electron Microscopy Reviews, 1988, 1, 201-219.	1.3	21
80	The Î±-tubulin of the growth cone is predominantly in the tyrosinated form. Developmental Brain Research, 1988, 42, 156-160.	1.7	32
81	RNA transport in dendrites. Trends in Neurosciences, 1988, 11, 342-343.	8.6	18
82	An investigation into the development of calcium-dependent neurotransmitter release from isolated growth cones. Biochemical Society Transactions, 1988, 16, 444-446.	3.4	6
83	Î³-[3 | 3HlAminobutyric acid release from superfused, isolated growth cones: postnatal development of calcium-dependent release. Biochemical Society Transactions, 1987, 15, 515-515.	3.4	1
84	The cytoskeletons of isolated, neuronal growth cones. Neuroscience, 1987, 21, 977-989.	2.3	81
85	Further characterization of [3H]Î³-aminobutyric acid release from isolated neuronal growth cones: Role of intracellular CA2+ stores. Neuroscience, 1986, 17, 1257-1266.	2.3	24
86	Isolation of Postsynaptic Densities from Day-Old Chicken Brain. Journal of Neurochemistry, 1986, 46, 340-348.	3.9	25
87	Î³-Aminobutyric acidA (GABAA) receptors modulate [3H]GABA release from isolated neuronal growth cones in the rat. Neuroscience Letters, 1985, 55, 273-277.	2.1	23
88	Growth cones isolated from developing rat forebrain: Uptake and release of GABA and noradrenaline. Developmental Brain Research, 1985, 21, 265-275.	1.7	39
89	Isolation and partial characterisation of neuronal growth cones from neonatal rat forebrain. Neuroscience, 1984, 13, 119-136.	2.3	72
90	Uptake and release of [3H]GABA by growth cones isolated from neonatal rat brain. Neuroscience Letters, 1984, 52, 205-210.	2.1	73

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91	Isolation of postsynaptic densities from chick brain: morphology and protein/glycoprotein composition. Biochemical Society Transactions, 1984, 12, 820-821.	3.4	1
92	Binding and uptake of concanavalin A into rat brain synaptosomes: evidence for synaptic vesicle recycling. Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character, 1983, 219, 413-422.	1.8	5
93	Identification and localization of concanavalin A binding sites on isolated postsynaptic densities. Brain Research, 1983, 276, 141-146.	2.2	18
94	Major differences in the concanavalin A binding glycoproteins of postsynaptic densities from rat forebrain and cerebellum. Brain Research, 1983, 277, 380-385.	2.2	25
95	Developmental regulation of membrane glycoproteins from a growth-cone-enriched fraction of rat forebrain. Biochemical Society Transactions, 1983, 11, 157-158.	3.4	3
96	Postsynaptic densities from forebrain and cerebellum: A comparison of their morphology and protein/glycoprotein composition. Biochemical Society Transactions, 1983, 11, 693-694.	3.4	4
97	Noradrenergic and non-noradrenergic nerves containing small granular vesicles in auerbach's plexus of the guinea-pig: Evidence against the presence of noradrenergic synapses. Neuroscience, 1982, 7, 2925-2936.	2.3	20
98	Presynaptic microtubules: Organisation and assembly/disassembly. Neuroscience, 1982, 7, 739-749.	2.3	56
99	Biochemical and Morphological Comparison of Postsynaptic Densities Prepared from Rat, Hamster, and Monkey Brains by Phase Partitioning. Journal of Neurochemistry, 1982, 39, 1117-1124.	3.9	59
100	Trypsin separates synaptic junctions to reveal pre- and post-synaptic concanavalin A receptors. Brain Research, 1981, 219, 224-230.	2.2	16
101	Properties of nerve endings with small granular vesicles in the distal colon and rectum of the guinea-pig. Neuroscience, 1981, 6, 1793-1811.	2.3	8
102	A non-adrenergic nerve ending containing small granular vesicles in the guinea-pig gut. Neuroscience Letters, 1979, 12, 81-86.	2.1	16
103	Degeneration of varicose axons and their phagocytosis by smooth muscle cells. Journal of Neurocytology, 1977, 6, 711-721.	1.5	25
104	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B. , 0, .		1