

Phillip Robert Gordon-Weeks

List of Publications by Year in descending order

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104
papers

5,422
citations

71102

41
h-index

85541

71
g-index

106
all docs

106
docs citations

106
times ranked

4776
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of GSK-3 β leading to the loss of phosphorylated MAP-1B is an early event in axonal remodelling induced by WNT-7a or lithium. <i>Journal of Cell Science</i> , 1998, 111, 1351-1361.	2.0	279
2	Tubulin tyrosination is a major factor affecting the recruitment of CAP-Gly proteins at microtubule plus ends. <i>Journal of Cell Biology</i> , 2006, 174, 839-849.	5.2	271
3	The organization of F-actin and microtubules in growth cones exposed to a brain-derived collapsing factor.. <i>Journal of Cell Biology</i> , 1993, 121, 867-878.	5.2	249
4	Cytoskeletal dynamics in growth-cone steering. <i>Journal of Cell Science</i> , 2009, 122, 3595-3604.	2.0	247
5	Targeting of the F-actin-binding protein drebrin by the microtubule plus-tip protein EB3 is required for neurogenesis. <i>Nature Cell Biology</i> , 2008, 10, 1181-1189.	10.3	220
6	Microtubules and growth cone function. <i>Journal of Neurobiology</i> , 2004, 58, 70-83.	3.6	186
7	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. <i>Journal of Neuroscience</i> , 1990, 10, 256-266.	3.6	179
8	Valproate Regulates GSK-3-Mediated Axonal Remodeling and Synapsin I Clustering in Developing Neurons. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 257-270.	2.2	151
9	Glycogen synthase kinase-3 β phosphorylation of MAP1B at Ser1260 and Thr1265 is spatially restricted to growing axons. <i>Journal of Cell Science</i> , 2005, 118, 993-1005.	2.0	147
10	The protein MAP-1B links GABAC receptors to the cytoskeleton at retinal synapses. <i>Nature</i> , 1999, 397, 66-69.	27.8	130
11	Microtubule reorganization is obligatory for growth cone turning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 15221-15226.	7.1	126
12	DAPK-1 Binding to a Linear Peptide Motif in MAP1B Stimulates Autophagy and Membrane Blebbing. <i>Journal of Biological Chemistry</i> , 2008, 283, 9999-10014.	3.4	120
13	MAP1B expression and microtubule stability in growing and regenerating axons. <i>Microscopy Research and Technique</i> , 2000, 48, 63-74.	2.2	113
14	Evidence that glycogen synthase kinase-3 isoforms have distinct substrate preference in the brain. <i>Journal of Neurochemistry</i> , 2010, 115, 974-983.	3.9	107
15	Inhibition of glycogen synthase kinase 3 β in sensory neurons in culture alters filopodia dynamics and microtubule distribution in growth cones. <i>Molecular and Cellular Neurosciences</i> , 2003, 23, 626-637.	2.2	99
16	Drebrin contains a cryptic F-actin bundling activity regulated by Cdk5 phosphorylation. <i>Journal of Cell Biology</i> , 2013, 202, 793-806.	5.2	97
17	Neuronal cytoskeleton in synaptic plasticity and regeneration. <i>Journal of Neurochemistry</i> , 2014, 129, 206-212.	3.9	95
18	The MAP kinase pathway is upstream of the activation of GSK3 β that enables it to phosphorylate MAP1B and contributes to the stimulation of axon growth. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 524-534.	2.2	92

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19	Nonprimed and DYRK1A-primed GSK3 ^β -phosphorylation sites on MAP1B regulate microtubule dynamics in growing axons. <i>Journal of Cell Science</i> , 2009, 122, 2424-2435.	2.0	92
20	GABAergic Growth Cones: Release of Endogenous γ -Aminobutyric Acid Precedes the Expression of Synaptic Vesicle Antigens. <i>Journal of Neurochemistry</i> , 1990, 54, 1689-1699.	3.9	85
21	The cytoskeletons of isolated, neuronal growth cones. <i>Neuroscience</i> , 1987, 21, 977-989.	2.3	81
22	Calcium-Independent γ -Aminobutyric Acid Release from Growth Cones: Role of γ -Aminobutyric Acid Transport. <i>Journal of Neurochemistry</i> , 1991, 56, 273-280.	3.9	76
23	Uptake and release of [3H]GABA by growth cones isolated from neonatal rat brain. <i>Neuroscience Letters</i> , 1984, 52, 205-210.	2.1	73
24	Isolation and partial characterisation of neuronal growth cones from neonatal rat forebrain. <i>Neuroscience</i> , 1984, 13, 119-136.	2.3	72
25	MAP1B enhances microtubule assembly rates and axon extension rates in developing neurons. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 110-119.	2.2	72
26	Microtubule-associated protein 1B phosphorylation by glycogen synthase kinase 3 ^β is induced during PC12 cell differentiation. <i>Journal of Cell Science</i> , 2001, 114, 4273-4284.	2.0	70
27	The distribution and phosphorylation of the microtubule-associated protein MAP 1B in growth cones. <i>Journal of Neurocytology</i> , 1991, 20, 1007-1022.	1.5	61
28	Microtubule-associated protein 1B is involved in the initial stages of axonogenesis in peripheral nervous system cultured neurons. <i>Brain Research</i> , 2002, 943, 56-67.	2.2	60
29	Biochemical and Morphological Comparison of Postsynaptic Densities Prepared from Rat, Hamster, and Monkey Brains by Phase Partitioning. <i>Journal of Neurochemistry</i> , 1982, 39, 1117-1124.	3.9	59
30	Presynaptic microtubules: Organisation and assembly/disassembly. <i>Neuroscience</i> , 1982, 7, 739-749.	2.3	56
31	Gap-43 "What does it do in the growth cone?". <i>Trends in Neurosciences</i> , 1989, 12, 363-365.	8.6	55
32	Evidence for microtubule capture by filopodial actin filaments in growth cones. <i>NeuroReport</i> , 1991, 2, 573-576.	1.2	54
33	The neuron-specific isoform of glycogen synthase kinase-3 ^β is required for axon growth. <i>Journal of Neurochemistry</i> , 2010, 113, 117-130.	3.9	54
34	Glycogen synthase kinase 3 ^β and the regulation of axon growth. <i>Biochemical Society Transactions</i> , 2004, 32, 809-811.	3.4	49
35	Organization of microtubules in axonal growth cones: a role for microtubule-associated protein MAP 1B. <i>Journal of Neurocytology</i> , 1993, 22, 717-725.	1.5	48
36	A Phosphorylation Epitope on MAP 1B that is Transiently Expressed in Growing Axons in the Developing Rat Nervous System. <i>European Journal of Neuroscience</i> , 1993, 5, 1302-1311.	2.6	48

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37	NGF activates the phosphorylation of MAP1B by GSK3 β through the TrkA receptor and not the p75NTR receptor. <i>Journal of Neurochemistry</i> , 2004, 87, 935-946.	3.9	48
38	Growth cones: The mechanism of neurite advance. <i>BioEssays</i> , 1991, 13, 235-239.	2.5	45
39	Drebrin controls neuronal migration through the formation and alignment of the leading process. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 341-350.	2.2	45
40	Drebrin-mediated microtubule-actomyosin coupling steers cerebellar granule neuron nucleokinesis and migration pathway selection. <i>Nature Communications</i> , 2017, 8, 14484.	12.8	45
41	Dynamic post-translational modification of tubulin in rat cerebral cortical neurons extending neurites in culture: Effects of taxol. <i>Journal of Neurocytology</i> , 1991, 20, 654-666.	1.5	44
42	The Drosophila microtubule associated protein Futsch is phosphorylated by Shaggy/Zeste-white 3 at an homologous GSK3 β phosphorylation site in MAP1B. <i>Molecular and Cellular Neurosciences</i> , 2006, 33, 188-199.	2.2	43
43	An Analysis of an Axonal Gradient of Phosphorylated MAP 1B in Cultured Rat Sensory Neurons. <i>European Journal of Neuroscience</i> , 1996, 8, 235-248.	2.6	42
44	An alternatively spliced form of glycogen synthase kinase-3 β is targeted to growing neurites and growth cones. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 184-194.	2.2	42
45	Expression of the immunoglobulin superfamily neuropilin adhesion molecules in adult and developing mouse cerebellum and their localisation to parasagittal stripes. <i>Journal of Comparative Neurology</i> , 2003, 462, 286-301.	1.6	41
46	Growth cones isolated from developing rat forebrain: Uptake and release of GABA and noradrenaline. <i>Developmental Brain Research</i> , 1985, 21, 265-275.	1.7	39
47	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. <i>European Journal of Neuroscience</i> , 2002, 15, 1433-1443.	2.6	37
48	Developmental Changes in the Calcium Dependency of γ -Aminobutyric Acid Release from Isolated Growth Cones: Correlation with Growth Cone Morphology. <i>Journal of Neurochemistry</i> , 1989, 53, 834-843.	3.9	36
49	Control of microtubule assembly in growth cones. <i>Journal of Cell Science</i> , 1991, 1991, 45-49.	2.0	36
50	Expression of a developmentally regulated, phosphorylated isoform of microtubule-associated protein 1B in regenerating axons of the sciatic nerve. <i>Neuroscience</i> , 1996, 73, 553-563.	2.3	36
51	The β -tubulin of the growth cone is predominantly in the tyrosinated form. <i>Developmental Brain Research</i> , 1988, 42, 156-160.	1.7	32
52	Localisation of Microtubule-Associated Protein 1B Phosphorylation Sites Recognised by Monoclonal Antibody SMI β 31. <i>Journal of Neurochemistry</i> , 1997, 69, 1417-1424.	3.9	32
53	Distribution and expression of developmentally regulated phosphorylation epitopes on MAP 1B and neurofilament proteins in the developing rat spinal cord. <i>Journal of Neurocytology</i> , 1994, 23, 682-698.	1.5	31
54	Drebrin Regulates Neuroblast Migration in the Postnatal Mammalian Brain. <i>PLoS ONE</i> , 2015, 10, e0126478.	2.5	31

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55	Widespread Distribution of Synaptophysin, a Synaptic Vesicle Glycoprotein, in Growing Neurites and Growth Cones. <i>European Journal of Neuroscience</i> , 1992, 4, 1180-1190.	2.6	27
56	The non-immunosuppressive immunophilin ligand GPI-1046 potently stimulates regenerating axon growth from adult mouse dorsal root ganglia cultured in Matrigel. <i>Neuroscience</i> , 2002, 114, 601-609.	2.3	26
57	Degeneration of varicose axons and their phagocytosis by smooth muscle cells. <i>Journal of Neurocytology</i> , 1977, 6, 711-721.	1.5	25
58	Major differences in the concanavalin A binding glycoproteins of postsynaptic densities from rat forebrain and cerebellum. <i>Brain Research</i> , 1983, 277, 380-385.	2.2	25
59	Isolation of Postsynaptic Densities from Day-Old Chicken Brain. <i>Journal of Neurochemistry</i> , 1986, 46, 340-348.	3.9	25
60	Transient expression of laminin immunoreactivity in the developing rat hippocampus. <i>Journal of Neurocytology</i> , 1989, 18, 451-463.	1.5	25
61	Further characterization of [3H] γ -aminobutyric acid release from isolated neuronal growth cones: Role of intracellular CA2+ stores. <i>Neuroscience</i> , 1986, 17, 1257-1266.	2.3	24
62	The immunolocalization of the synaptic glycoprotein neuroplastin differs substantially between the human and the rodent brain. <i>Brain Research</i> , 2007, 1134, 107-112.	2.2	24
63	γ -Aminobutyric acid (GABA) receptors modulate [3H]GABA release from isolated neuronal growth cones in the rat. <i>Neuroscience Letters</i> , 1985, 55, 273-277.	2.1	23
64	Expression of a developmentally regulated, phosphorylated isoform of microtubule-associated protein 1B in sprouting and regenerating axons in vitro. <i>Neuroscience</i> , 1996, 73, 541-551.	2.3	23
65	The role of the drebrin/EB3/Cdk5 pathway in dendritic spine plasticity, implications for Alzheimer's disease. <i>Brain Research Bulletin</i> , 2016, 126, 293-299.	3.0	23
66	The ultrastructure of the neuronal growth cone: New insights from subcellular fractionation and rapid freezing studies. <i>Electron Microscopy Reviews</i> , 1988, 1, 201-219.	1.3	21
67	Noradrenergic and non-noradrenergic nerves containing small granular vesicles in Auerbach's plexus of the guinea-pig: Evidence against the presence of noradrenergic synapses. <i>Neuroscience</i> , 1982, 7, 2925-2936.	2.3	20
68	Growth at the growth cone. <i>Trends in Neurosciences</i> , 1989, 12, 238-240.	8.6	20
69	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B. <i>Journal of Anatomy</i> , 1997, 191, 229-244.	1.5	20
70	Identification and localization of concanavalin A binding sites on isolated postsynaptic densities. <i>Brain Research</i> , 1983, 276, 141-146.	2.2	18
71	RNA transport in dendrites. <i>Trends in Neurosciences</i> , 1988, 11, 342-343.	8.6	18
72	Direct visualisation of the soluble pool of tubulin in the neuronal growth cone: immunofluorescence studies following taxol polymerisation. <i>Developmental Brain Research</i> , 1989, 49, 305-310.	1.7	18

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73	A non-adrenergic nerve ending containing small granular vesicles in the guinea-pig gut. <i>Neuroscience Letters</i> , 1979, 12, 81-86.	2.1	16
74	Trypsin separates synaptic junctions to reveal pre- and post-synaptic concanavalin A receptors. <i>Brain Research</i> , 1981, 219, 224-230.	2.2	16
75	The Actin-Binding Protein Drebrin Inhibits Neointimal Hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 984-993.	2.4	15
76	The drebrin/EB3 pathway drives invasive activity in prostate cancer. <i>Oncogene</i> , 2017, 36, 4111-4123.	5.9	13
77	Monoclonal antibody 2G13, a new axonal growth cone marker. <i>Journal of Neurocytology</i> , 1999, 28, 1035-1044.	1.5	12
78	Pac 1: An epitope associated with two novel glycoprotein components of isolated postsynaptic densities and a novel cytoskeleton-associated polypeptide. <i>Neuroscience</i> , 1991, 44, 627-641.	2.3	10
79	Dynamic properties of APC-decorated microtubules in living cells. <i>Cytoskeleton</i> , 2003, 54, 237-247.	4.4	9
80	Evolution of the spatial distribution of MAP1B phosphorylation sites in vertebrate neurons. <i>Journal of Anatomy</i> , 2010, 216, 692-704.	1.5	9
81	The Role of Drebrin in Cancer Cell Invasion. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1006, 375-389.	1.6	9
82	Properties of nerve endings with small granular vesicles in the distal colon and rectum of the guinea-pig. <i>Neuroscience</i> , 1981, 6, 1793-1811.	2.3	8
83	Phosphorylation of Drebrin and Its Role in Neuritogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1006, 49-60.	1.6	8
84	Expression of two synapse-enriched glycoproteins, gp65 and gp55, during rat brain development. <i>Biochemical Society Transactions</i> , 1989, 17, 770-771.	3.4	7
85	Microtubule organization in growth cones. <i>Biochemical Society Transactions</i> , 1991, 19, 1080-1085.	3.4	7
86	Role of Microtubules and MAPs During Neuritogenesis. , 2007, , 57-88.		7
87	Preparation and Characterisation of a Monoclonal Antibody to an Antigen Enriched in Chick Brain Postsynaptic Densities. <i>Journal of Neurochemistry</i> , 1988, 51, 442-450.	3.9	6
88	An investigation into the development of calcium-dependent neurotransmitter release from isolated growth cones. <i>Biochemical Society Transactions</i> , 1988, 16, 444-446.	3.4	6
89	A study of the expression of laminin in the spinal cord of the frog during development and regeneration. <i>Experimental Physiology</i> , 1992, 77, 681-692.	2.0	6
90	MAP1B expression and microtubule stability in growing and regenerating axons. <i>Microscopy Research and Technique</i> , 2000, 48, 63.	2.2	6

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91	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
92	Actin dynamics: re-drawing the map. Nature Cell Biology, 2004, 6, 390-391.	10.3	5
93	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
94	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
95	The drebrin/EB3 pathway regulates cytoskeletal dynamics to drive neuritogenesis in embryonic cortical neurons. Journal of Neurochemistry, 2021, , .	3.9	4
96	Developmental regulation of membrane glycoproteins from a growth-cone-enriched fraction of rat forebrain. Biochemical Society Transactions, 1983, 11, 157-158.	3.4	3
97	Glycoproteins of the growth-cone membrane skeleton. Biochemical Society Transactions, 1992, 20, 396-398.	3.4	3
98	Phosphorylation of microtubule-associated protein 1B and axonal growth. Biochemical Society Transactions, 1995, 23, 37-40.	3.4	3
99	Isolation of postsynaptic densities from chick brain: morphology and protein/glycoprotein composition. Biochemical Society Transactions, 1984, 12, 820-821.	3.4	1
100	^3H -[3]Aminobutyric acid release from superfused, isolated growth cones: postnatal development of calcium-dependent release. Biochemical Society Transactions, 1987, 15, 515-515.	3.4	1
101	The neurofilament antibody RT97 recognises a developmentally regulated phosphorylation epitope on microtubule-associated protein 1B. , 0, .		1
102	Characterisation of two novel glycoproteins in the membrane skeleton of the growth cone. Biochemical Society Transactions, 1992, 20, 154S-154S.	3.4	0
103	The neuronal cytoskeleton. Cytoskeleton: A Multi-Volume Treatise, 1996, , 185-227.	0.1	0
104	Chapter 9 Microtubule organization in growth cones and their role in pathfinding. Principles of Medical Biology, 1998, , 167-186.	0.1	0