

Annette C Dolphin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9396230/annette-c-dolphin-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

12,645
citations

65
h-index

109
g-index

315
ext. papers

13,941
ext. citations

8.3
avg, IF

6.78
L-index

#	Paper	IF	Citations
174	Amino acid sensor conserved from bacteria to humans.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2110415119	11.5	4
173	Biallelic CACNA2D1 loss-of-function variants cause early-onset developmental epileptic encephalopathy.. <i>Brain</i> , 2022 ,	11.2	3
172	ADAM17 Mediates Proteolytic Maturation of Voltage-Gated Calcium Channel Auxiliary β Subunits, and Enables Calcium Current Enhancement.. <i>Function</i> , 2022 , 3, zqac013	6.1	1
171	Proteolytic regulation of calcium channels - avoiding controversy.. <i>Faculty Reviews</i> , 2022 , 11, 5	1.2	
170	Functions of Presynaptic Voltage-gated Calcium Channels. <i>Function</i> , 2021 , 2, zqaa027	6.1	10
169	Rab11-dependent recycling of calcium channels is mediated by auxiliary subunit $\beta 1$ but not $\beta 2$. <i>Scientific Reports</i> , 2021 , 11, 10256	4.9	5
168	How Postdoctoral Research in Paul Greengard's Laboratory Shaped My Scientific Career, Although I Never Did Another Phosphorylation Assay. <i>Journal of Neuroscience</i> , 2021 , 41, 2070-2075	6.6	
167	Presynaptic calcium channels: specialized control of synaptic neurotransmitter release. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 213-229	13.5	48
166	Fight or flight: The culprit is lurking in the neighbourhood. <i>Cell Calcium</i> , 2020 , 87, 102180	4	1
165	FMRP regulates presynaptic localization of neuronal voltage gated calcium channels. <i>Neurobiology of Disease</i> , 2020 , 138, 104779	7.5	14
164	Introduction to the Theme "Ion Channels and Neuropharmacology: From the Past to the Future". <i>Annual Review of Pharmacology and Toxicology</i> , 2020 , 60, 1-6	17.9	6
163	Voltage-gated calcium channel blockers for psychiatric disorders: genomic reappraisal. <i>British Journal of Psychiatry</i> , 2020 , 216, 250-253	5.4	18
162	Disruption of the Key Ca Binding Site in the Selectivity Filter of Neuronal Voltage-Gated Calcium Channels Inhibits Channel Trafficking. <i>Cell Reports</i> , 2019 , 29, 22-33.e5	10.6	13
161	IgGs from patients with amyotrophic lateral sclerosis and diabetes target Ca β subunits impairing islet cell function and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	9
160	Mapping protein interactions of sodium channel Na1.7 using epitope-tagged gene-targeted mice. <i>EMBO Journal</i> , 2018 , 37, 427-445	13	35
159	Voltage-gated calcium channel β subunits: an assessment of proposed novel roles. <i>F1000Research</i> , 2018 , 7,	3.6	39
158	The role of N-type calcium channels and their auxiliary subunits in pain pathways. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, SY19-4	0	

157	The Elike Protein Cachd1 Increases N-type Calcium Currents and Cell Surface Expression and Competes with $\beta 1$. <i>Cell Reports</i> , 2018 , 25, 1610-1621.e5	10.6	24
156	Ablation of $\beta 1$ inhibits cell-surface trafficking of endogenous N-type calcium channels in the pain pathway in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E12043-E12052	11.5	31
155	Voltage-gated calcium channels: their discovery, function and importance as drug targets. <i>Brain and Neuroscience Advances</i> , 2018 , 2,	4	30
154	Proteolytic maturation of $\beta 1$ controls the probability of synaptic vesicular release. <i>ELife</i> , 2018 , 7,	8.9	21
153	LRP1 influences trafficking of N-type calcium channels via interaction with the auxiliary $\beta 1$ subunit. <i>Scientific Reports</i> , 2017 , 7, 43802	4.9	26
152	Calmodulin regulates Ca _v 3 T-type channels at their gating brake. <i>Journal of Biological Chemistry</i> , 2017 , 292, 20010-20031	5.4	20
151	T-type Ca ²⁺ channels are required for enhanced sympathetic axon growth by TNF α reverse signalling. <i>Open Biology</i> , 2017 , 7,	7	11
150	The Ca _v 1 β Subunit Protects the I-II Loop of the Voltage-gated Calcium Channel Ca _v 2.2 from Proteasomal Degradation but Not Oligoubiquitination. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20402-20416	5.4	23
149	Thrombospondin-4 reduces binding affinity of [(3)H]-gabapentin to calcium-channel $\beta 1$ -subunit but does not interact with $\beta 1$ on the cell-surface when co-expressed. <i>Scientific Reports</i> , 2016 , 6, 24531	4.9	29
148	A Ca _v 2.1 N-terminal fragment relieves the dominant-negative inhibition by an Episodic ataxia 2 mutant. <i>Neurobiology of Disease</i> , 2016 , 93, 243-56	7.5	7
147	Proteolytic maturation of $\beta 1$ represents a checkpoint for activation and neuronal trafficking of latent calcium channels. <i>ELife</i> , 2016 , 5,	8.9	31
146	Voltage-gated calcium channels and their auxiliary subunits: physiology and pathophysiology and pharmacology. <i>Journal of Physiology</i> , 2016 , 594, 5369-90	3.9	161
145	Effect of knockout of $\beta 1$ on action potentials in mouse sensory neurons. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	13
144	The upregulation of $\beta 1$ subunit modulates activity-dependent Ca ²⁺ signals in sensory neurons. <i>Journal of Neuroscience</i> , 2015 , 35, 5891-903	6.6	32
143	The Physiology, Pathology, and Pharmacology of Voltage-Gated Calcium Channels and Their Future Therapeutic Potential. <i>Pharmacological Reviews</i> , 2015 , 67, 821-70	22.5	562
142	Genetic disruption of voltage-gated calcium channels in psychiatric and neurological disorders. <i>Progress in Neurobiology</i> , 2015 , 134, 36-54	10.9	143
141	Alternative Splicing in Ca _v (V)2.2 Regulates Neuronal Trafficking via Adaptor Protein Complex-1 Adaptor Protein Motifs. <i>Journal of Neuroscience</i> , 2015 , 35, 14636-52	6.6	32
140	Altered expression of the voltage-gated calcium channel subunit $\beta 1$: a comparison between two experimental models of epilepsy and a sensory nerve ligation model of neuropathic pain. <i>Neuroscience</i> , 2014 , 283, 124-37	3.9	19

139	Using Exofacially Tagged Functional Cav2.2 to Investigate the Modulation of Pore Subunit Trafficking by Auxiliary Calcium Channel Subunits. <i>Biophysical Journal</i> , 2014 , 106, 330a	2.9	2
138	Functional exofacially tagged N-type calcium channels elucidate the interaction with auxiliary α_1 subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8979-84	11.5	86
137	The inhibition of functional expression of calcium channels by prion protein demonstrates competition with α for GPI-anchoring pathways. <i>Biochemical Journal</i> , 2014 , 458, 365-74	3.8	9
136	Fragile X mental retardation protein controls synaptic vesicle exocytosis by modulating N-type calcium channel density. <i>Nature Communications</i> , 2014 , 5, 3628	17.4	94
135	Differential upregulation in DRG neurons of an α_1 splice variant with a lower affinity for gabapentin after peripheral sensory nerve injury. <i>Pain</i> , 2014 , 155, 522-533	8	33
134	The Involvement of Calcium Channel α Subunits in Diseases and as a Therapeutic Target 2014 , 97-114		2
133	Somatic mutations in ATP1A1 and CACNA1D underlie a common subtype of adrenal hypertension. <i>Nature Genetics</i> , 2013 , 45, 1055-60	36.3	353
132	The α subunits of voltage-gated calcium channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1541-9	3.8	130
131	α_1 gene deletion affects somatosensory neuron function and delays mechanical hypersensitivity in response to peripheral nerve damage. <i>Journal of Neuroscience</i> , 2013 , 33, 16412-26	6.6	78
130	Mutant PrP suppresses glutamatergic neurotransmission in cerebellar granule neurons by impairing membrane delivery of VGCC (α) Subunit. <i>Neuron</i> , 2012 , 74, 300-13	13.9	53
129	Calcium channel auxiliary α and β subunits: trafficking and one step beyond. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 542-55	13.5	262
128	α expression sets presynaptic calcium channel abundance and release probability. <i>Nature</i> , 2012 , 486, 122-5	50.4	252
127	L-type calcium channels: on the fast track to nuclear signaling. <i>Science Signaling</i> , 2012 , 5, pe34	8.8	9
126	Chronic pregabalin inhibits synaptic transmission between rat dorsal root ganglion and dorsal horn neurons in culture. <i>Channels</i> , 2012 , 6, 124-32	3	38
125	Calcium currents are enhanced by α_1 lacking its membrane anchor. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33554-66	5.4	29
124	Presynaptic HCN1 channels regulate Cav3.2 activity and neurotransmission at select cortical synapses. <i>Nature Neuroscience</i> , 2011 , 14, 478-86	25.5	119
123	Beta-subunits promote the expression of Ca(V)2.2 channels by reducing their proteasomal degradation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9598-611	5.4	93
122	Stargazin-related protein β s associated with signalling endosomes in superior cervical ganglion neurons and modulates neurite outgrowth. <i>Journal of Cell Science</i> , 2011 , 124, 2049-57	5.3	6

121	Pregabalin suppresses spinal neuronal hyperexcitability and visceral hypersensitivity in the absence of peripheral pathophysiology. <i>Anesthesiology</i> , 2011 , 115, 144-52	4.3	42
120	The alpha2delta subunits of voltage-gated calcium channels form GPI-anchored proteins, a posttranslational modification essential for function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1654-9	11.5	165
119	The alpha2delta ligand gabapentin inhibits the Rab11-dependent recycling of the calcium channel subunit alpha2delta-2. <i>Journal of Neuroscience</i> , 2010 , 30, 12856-67	6.6	104
118	The anti-allodynic alpha(2)delta ligand pregabalin inhibits the trafficking of the calcium channel alpha(2)delta-1 subunit to presynaptic terminals in vivo. <i>Biochemical Society Transactions</i> , 2010 , 38, 525-8 ^{5.1}	5.1	67
117	Age of quantitative proteomics hits voltage-gated calcium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14941-2	11.5	2
116	N terminus is key to the dominant negative suppression of Ca(V)2 calcium channels: implications for episodic ataxia type 2. <i>Journal of Biological Chemistry</i> , 2010 , 285, 835-44	5.4	47
115	A new look at calcium channel α subunits. <i>Current Opinion in Neurobiology</i> , 2010 , 20, 563-71	7.6	77
114	Calcium channel α subunits in epilepsy and as targets for antiepileptic drugs. <i>Epilepsia</i> , 2010 , 51, 82-82	6.4	0
113	Three-dimensional structure of CaV3.1: comparison with the cardiac L-type voltage-gated calcium channel monomer architecture. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22310-22321	5.4	39
112	The increased trafficking of the calcium channel subunit alpha2delta-1 to presynaptic terminals in neuropathic pain is inhibited by the alpha2delta ligand pregabalin. <i>Journal of Neuroscience</i> , 2009 , 29, 4076-88	6.6	312
111	Labelling of the 3D structure of the cardiac L-type voltage-gated calcium channel. <i>Channels</i> , 2009 , 3, 387-92	3	10
110	Calcium channel diversity: multiple roles of calcium channel subunits. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 237-44	7.6	188
109	Determinants of the voltage dependence of G protein modulation within calcium channel beta subunits. <i>Pflugers Archiv European Journal of Physiology</i> , 2009 , 457, 743-56	4.6	17
108	Descending serotonergic facilitation and the antinociceptive effects of pregabalin in a rat model of osteoarthritic pain. <i>Molecular Pain</i> , 2009 , 5, 45	3.4	106
107	Vesicular apparatus, including functional calcium channels, are present in developing rodent optic nerve axons and are required for normal node of Ranvier formation. <i>Journal of Physiology</i> , 2008 , 586, 4069-89	3.9	40
106	Time course and specificity of the pharmacological disruption of the trafficking of voltage-gated calcium channels by gabapentin. <i>Channels</i> , 2008 , 2, 4-9	3	50
105	Pharmacological disruption of calcium channel trafficking by the alpha2delta ligand gabapentin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3628-33	11.5	304
104	The stargazin-related protein gamma 7 interacts with the mRNA-binding protein heterogeneous nuclear ribonucleoprotein A2 and regulates the stability of specific mRNAs, including CaV2.2. <i>Journal of Neuroscience</i> , 2008 , 28, 10604-17	6.6	32

103	The HOOK-domain between the SH3 and the GK domains of Cavbeta subunits contains key determinants controlling calcium channel inactivation. <i>Channels</i> , 2007 , 1, 92-101	3	30
102	Functional biology of the alpha(2)delta subunits of voltage-gated calcium channels. <i>Trends in Pharmacological Sciences</i> , 2007 , 28, 220-8	13.2	285
101	The calcium channel alpha2delta-2 subunit partitions with CaV2.1 into lipid rafts in cerebellum: implications for localization and function. <i>Journal of Neuroscience</i> , 2006 , 26, 8748-57	6.6	126
100	Identification of the alpha2-delta-1 subunit of voltage-dependent calcium channels as a molecular target for pain mediating the analgesic actions of pregabalin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17537-42	11.5	442
99	The ducky(2J) mutation in Cacna2d2 results in reduced spontaneous Purkinje cell activity and altered gene expression. <i>Journal of Neuroscience</i> , 2006 , 26, 12576-86	6.6	53
98	Gender: missing the prizes that can inspire a career. <i>Nature</i> , 2006 , 442, 868	50.4	1
97	A short history of voltage-gated calcium channels. <i>British Journal of Pharmacology</i> , 2006 , 147 Suppl 1, S56-62	8.6	140
96	The importance of occupancy rather than affinity of CaV(beta) subunits for the calcium channel I-II linker in relation to calcium channel function. <i>Journal of Physiology</i> , 2006 , 574, 387-98	3.9	25
95	Interaction via a key tryptophan in the I-II linker of N-type calcium channels is required for beta1 but not for palmitoylated beta2, implicating an additional binding site in the regulation of channel voltage-dependent properties. <i>Journal of Neuroscience</i> , 2005 , 25, 6984-96	6.6	72
94	The metal-ion-dependent adhesion site in the Von Willebrand factor-A domain of alpha2delta subunits is key to trafficking voltage-gated Ca2+ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11230-5	11.5	169
93	Dominant-negative calcium channel suppression by truncated constructs involves a kinase implicated in the unfolded protein response. <i>Journal of Neuroscience</i> , 2004 , 24, 5400-9	6.6	74
92	The three-dimensional structure of the cardiac L-type voltage-gated calcium channel: comparison with the skeletal muscle form reveals a common architectural motif. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7159-68	5.4	43
91	Ca2+ channel beta-subunits: structural insights AID our understanding. <i>Trends in Pharmacological Sciences</i> , 2004 , 25, 626-32	13.2	89
90	L-type voltage-gated calcium channels: understanding function through structure. <i>FEBS Letters</i> , 2004 , 564, 245-50	3.8	26
89	PI3K promotes voltage-dependent calcium channel trafficking to the plasma membrane. <i>Nature Neuroscience</i> , 2004 , 7, 939-46	25.5	208
88	Beta subunits of voltage-gated calcium channels. <i>Journal of Bioenergetics and Biomembranes</i> , 2003 , 35, 599-620	3.7	287
87	Human neuronal stargazin-like proteins, gamma2, gamma3 and gamma4; an investigation of their specific localization in human brain and their influence on CaV2.1 voltage-dependent calcium channels expressed in <i>Xenopus</i> oocytes. <i>BMC Neuroscience</i> , 2003 , 4, 23	3.2	34
86	G protein modulation of voltage-gated calcium channels. <i>Pharmacological Reviews</i> , 2003 , 55, 607-27	22.5	237

85	Mechanism of action of Gq to inhibit G beta gamma modulation of CaV2.2 calcium channels: probed by the use of receptor-G alpha tandems. <i>Molecular Pharmacology</i> , 2003 , 63, 832-43	4.3	14
84	Calcium Channel α2δ Subunits: Structure, Functions and Target Site for Drugs. <i>Current Neuropharmacology</i> , 2003 , 1, 209-217	7.6	34
83	Kinetics and Gbetagamma modulation of Ca(v)2.2 channels with different auxiliary beta subunits. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 444, 263-75	4.6	17
82	The novel product of a five-exon stargazin-related gene abolishes Ca(V)2.2 calcium channel expression. <i>EMBO Journal</i> , 2002 , 21, 1514-23	13	72
81	The ducky mutation in Cacna2d2 results in altered Purkinje cell morphology and is associated with the expression of a truncated alpha 2 delta-2 protein with abnormal function. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7684-93	5.4	117
80	3D structure of the skeletal muscle dihydropyridine receptor. <i>Journal of Molecular Biology</i> , 2002 , 323, 85-98	6.5	40
79	Functional expression and characterization of a voltage-gated CaV1.3 (alpha1D) calcium channel subunit from an insulin-secreting cell line. <i>Molecular Endocrinology</i> , 2001 , 15, 1211-21		65
78	Evidence for two concentration-dependent processes for beta-subunit effects on alpha1B calcium channels. <i>Biophysical Journal</i> , 2001 , 81, 1439-51	2.9	98
77	Ducky mouse phenotype of epilepsy and ataxia is associated with mutations in the Cacna2d2 gene and decreased calcium channel current in cerebellar Purkinje cells. <i>Journal of Neuroscience</i> , 2001 , 21, 6095-104	6.6	236
76	Dominant-negative synthesis suppression of voltage-gated calcium channel Cav2.2 induced by truncated constructs. <i>Journal of Neuroscience</i> , 2001 , 21, 8495-504	6.6	81
75	Functional Expression and Characterization of a Voltage-Gated CaV1.3 (α1D) Calcium Channel Subunit from an Insulin-Secreting Cell Line. <i>Molecular Endocrinology</i> , 2001 , 15, 1211-1221		48
74	The alpha1B Ca2+ channel amino terminus contributes determinants for beta subunit-mediated voltage-dependent inactivation properties. <i>Journal of Physiology</i> , 2000 , 525 Pt 2, 377-90	3.9	58
73	Calcium channel beta subunit promotes voltage-dependent modulation of alpha 1 B by G beta gamma. <i>Biophysical Journal</i> , 2000 , 79, 731-46	2.9	85
72	Overlapping selectivity of neurotoxin and dihydropyridine calcium channel blockers in cerebellar granule neurones. <i>Neuropharmacology</i> , 2000 , 39, 1740-55	5.5	18
71	Identification of residues in the N terminus of alpha1B critical for inhibition of the voltage-dependent calcium channel by Gbeta gamma. <i>Journal of Neuroscience</i> , 1999 , 19, 6855-64	6.6	102
70	The effect of alpha2-delta and other accessory subunits on expression and properties of the calcium channel alpha1G. <i>Journal of Physiology</i> , 1999 , 519 Pt 1, 35-45	3.9	95
69	Differential plasma membrane targeting of voltage-dependent calcium channel subunits expressed in a polarized epithelial cell line. <i>Journal of Physiology</i> , 1999 , 515 (Pt 3), 685-94	3.9	43
68	Dissection of the calcium channel domains responsible for modulation of neuronal voltage-dependent calcium channels by G proteins. <i>Annals of the New York Academy of Sciences</i> , 1999 , 868, 160-74	6.5	10

67	Modelling of a voltage-dependent Ca ²⁺ channel beta subunit as a basis for understanding its functional properties. <i>FEBS Letters</i> , 1999 , 445, 366-70	3.8	107
66	L-type calcium channel modulation. <i>Advances in Second Messenger and Phosphoprotein Research</i> , 1999 , 33, 153-77		37
65	Mechanisms of modulation of voltage-dependent calcium channels by G proteins. <i>Journal of Physiology</i> , 1998 , 506 (Pt 1), 3-11	3.9	219
64	Facilitation of rabbit alpha1B calcium channels: involvement of endogenous Gbetagamma subunits. <i>Journal of Physiology</i> , 1998 , 509 (Pt 1), 15-27	3.9	34
63	Role of domain I of neuronal Ca ²⁺ channel alpha1 subunits in G protein modulation. <i>Journal of Physiology</i> , 1998 , 509 (Pt 1), 163-9	3.9	33
62	The effect of overexpression of auxiliary Ca ²⁺ channel subunits on native Ca ²⁺ channel currents in undifferentiated mammalian NG108-15 cells. <i>Journal of Physiology</i> , 1998 , 510 (Pt 2), 347-60	3.9	32
61	Known calcium channel alpha1 subunits can form low threshold small conductance channels with similarities to native T-type channels. <i>Neuron</i> , 1998 , 20, 341-51	13.9	71
60	Identification of the amino terminus of neuronal Ca ²⁺ channel alpha1 subunits alpha1B and alpha1E as an essential determinant of G-protein modulation. <i>Journal of Neuroscience</i> , 1998 , 18, 4815-24	6.6	104
59	The intracellular loop between domains I and II of the B-type calcium channel confers aspects of G-protein sensitivity to the E-type calcium channel. <i>Journal of Neuroscience</i> , 1997 , 17, 1330-8	6.6	92
58	Properties of cloned rat alpha1A calcium channels transiently expressed in the COS-7 cell line. <i>European Journal of Neuroscience</i> , 1997 , 9, 739-48	3.5	47
57	Importance of the different beta subunits in the membrane expression of the alpha1A and alpha2 calcium channel subunits: studies using a depolarization-sensitive alpha1A antibody. <i>European Journal of Neuroscience</i> , 1997 , 9, 749-59	3.5	122
56	Functional expression of rat brain cloned alpha1E calcium channels in COS-7 cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1997 , 433, 523-32	4.6	76
55	Facilitation of Ca ²⁺ current in excitable cells. <i>Trends in Neurosciences</i> , 1996 , 19, 35-43	13.3	175
54	Anti-Ig-induced calcium influx in rat B lymphocytes mediated by cGMP through a dihydropyridine-sensitive channel. <i>Journal of Biological Chemistry</i> , 1996 , 271, 7297-300	5.4	94
53	Use of site-directed antibodies to probe the topography of the alpha 2 subunit of voltage-gated Ca ²⁺ channels. <i>FEBS Letters</i> , 1995 , 364, 129-33	3.8	41
52	Voltage-dependent calcium channel beta-subunits in combination with alpha 1 subunits, have a GTPase activating effect to promote the hydrolysis of GTP by G alpha o in rat frontal cortex. <i>FEBS Letters</i> , 1995 , 370, 135-40	3.8	44
51	The involvement of multiple calcium channel sub-types in glutamate release from cerebellar granule cells and its modulation by GABAB receptor activation. <i>Neuroscience</i> , 1995 , 68, 465-78	3.9	55
50	P21-ras is involved in regulation of voltage-dependent calcium channels in cultured rat dorsal root ganglion cells. <i>Biochemical Society Transactions</i> , 1995 , 23, 193S	5.1	3

49	Receptor-G Protein-Effector Coupling: Coding and Regulation of the Signal Transduction Process 1995 , 91-103		2
48	Modulation of voltage-dependent calcium channels in cultured neurons. <i>Annals of the New York Academy of Sciences</i> , 1994 , 747, 325-35	6.5	3
47	Cycloheximide abolishes pertussis toxin-induced increase in glutamate release from cerebellar granule neurones. <i>Neuroscience Letters</i> , 1994 , 166, 17-22	3.3	8
46	Modulation of Voltage Dependent Calcium Channels by GABA _B Receptors and G Proteins in Cultured Rat Dorsal Root Ganglion Neurons: Relevance to Transmitter Release and Its Modulation 1994 , 47-61		
45	Interactions of polyamines with neuronal ion channels. <i>Trends in Neurosciences</i> , 1993 , 16, 153-60	13.3	143
44	G protein localization in cultured dorsal root ganglion neurones. <i>Biochemical Society Transactions</i> , 1993 , 21, 301-2	5.1	1
43	G protein modulation of voltage-dependent calcium channels and transmitter release. <i>Biochemical Society Transactions</i> , 1993 , 21, 391-5	5.1	8
42	Cycloheximide abolishes pertussis toxin induced increase in glutamate release from cerebellar granule neurones. <i>Biochemical Society Transactions</i> , 1993 , 21, 222S	5.1	1
41	G(o) transduces GABA _B -receptor modulation of N-type calcium channels in cultured dorsal root ganglion neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 425, 335-43	4.6	70
40	Ca ²⁺ currents in cerebellar granule neurones: role of internal Mg ²⁺ in altering characteristics and antagonist effects. <i>Neuropharmacology</i> , 1993 , 32, 1171-83	5.5	28
39	Modulation of neuronal Ca ²⁺ -dependent currents by neurotransmitters, G-proteins and toxins. <i>Biochemical Society Transactions</i> , 1992 , 20, 443-9	5.1	8
38	Actions of arginine polyamine on voltage and ligand-activated whole cell currents recorded from cultured neurones. <i>British Journal of Pharmacology</i> , 1992 , 106, 199-207	8.6	47
37	Intracellular calcium regulates the survival of early sensory neurons before they become dependent on neurotrophic factors. <i>Neuron</i> , 1992 , 9, 563-74	13.9	74
36	G-protein mediation in nociceptive signal transduction: an investigation into the excitatory action of bradykinin in a subpopulation of cultured rat sensory neurons. <i>Neuroscience</i> , 1992 , 49, 117-28	3.9	51
35	The effect of phosphatase inhibitors and agents increasing cyclic-AMP-dependent phosphorylation on calcium channel currents in cultured rat dorsal root ganglion neurones: interaction with the effect of G protein activation. <i>Pflugers Archiv European Journal of Physiology</i> , 1992 , 421, 138-45	4.6	11
34	Regulation of calcium channel activity by GTP binding proteins and second messengers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991 , 1091, 68-80	4.9	61
33	G protein modulation of calcium entry and transmitter release. <i>Annals of the New York Academy of Sciences</i> , 1991 , 635, 139-52	6.5	16
32	Activation of calcium channel currents in rat sensory neurons by large depolarizations: effect of Guanine nucleotides and (-)-baclofen. <i>European Journal of Neuroscience</i> , 1990 , 2, 104-8	3.5	28

31	Modulation of neuronal T-type calcium channel currents by photoactivation of intracellular guanosine 5'-(3-thio) triphosphate. <i>Neuroscience</i> , 1990 , 38, 285-94	3.9	60
30	A comparison of the effect of calcium channel ligands and GABAB agonists and antagonists on transmitter release and somatic calcium channel currents in cultured neurons. <i>Neuroscience</i> , 1990 , 38, 721-9	3.9	75
29	G-protein regulation of neuronal voltage-activated calcium currents. <i>General Pharmacology</i> , 1989 , 20, 715-20		9
28	Modulation of Ca ²⁺ -channel currents in sensory neurons by pertussis toxin-sensitive G-proteins. <i>Annals of the New York Academy of Sciences</i> , 1989 , 560, 387-90	6.5	7
27	An investigation into the mechanisms of inhibition of calcium channel currents in cultured sensory neurones of the rat by guanine nucleotide analogues and (-)-baclofen. <i>British Journal of Pharmacology</i> , 1989 , 97, 263-73	8.6	63
26	Interaction between calcium channel ligands and guanine nucleotides in cultured rat sensory and sympathetic neurones. <i>Journal of Physiology</i> , 1989 , 413, 271-88	3.9	42
25	Modulation of Calcium and other Channels by G Proteins: Implications for the Control of Synaptic Transmission 1989 , 127-146		
24	Photoactivation of intracellular guanosine triphosphate analogues reduces the amplitude and slows the kinetics of voltage-activated calcium channel currents in sensory neurones. <i>Pflugers Archiv European Journal of Physiology</i> , 1988 , 411, 628-36	4.6	59
23	Nucleotide binding proteins in signal transduction and disease. <i>Trends in Neurosciences</i> , 1987 , 10, 53-57	13.3	111
22	Activation of a G protein promotes agonist responses to calcium channel ligands. <i>Nature</i> , 1987 , 330, 760-2	5.4	145
21	Calcium-dependent currents in cultured rat dorsal root ganglion neurones are inhibited by an adenosine analogue. <i>Journal of Physiology</i> , 1986 , 373, 47-61	3.9	209
20	Inhibition of calcium currents in cultured rat dorsal root ganglion neurones by (-)-baclofen. <i>British Journal of Pharmacology</i> , 1986 , 88, 213-20	8.6	119
19	Regulation of calcium currents by a GTP analogue: potentiation of (-)-baclofen-mediated inhibition. <i>Neuroscience Letters</i> , 1986 , 69, 59-64	3.3	127
18	Pertussis toxin reverses adenosine inhibition of neuronal glutamate release. <i>Nature</i> , 1985 , 316, 148-50	5.4	226
17	An adenosine agonist inhibits and a cyclic AMP analogue enhances the release of glutamate but not GABA from slices of rat dentate gyrus. <i>Neuroscience Letters</i> , 1983 , 43, 49-54	3.3	235
16	Cyclic nucleotide-dependent protein kinases and some major substrates in the rat cerebellum after neonatal X-irradiation. <i>Journal of Neurochemistry</i> , 1983 , 40, 577-81	6	85
15	Noradrenergic modulation of glutamate release in the cerebellum. <i>Brain Research</i> , 1982 , 252, 111-6	3.7	53
14	What is the mechanism of long-term potentiation in the hippocampus?. <i>Trends in Neurosciences</i> , 1982 , 5, 289-290	13.3	76

13	Long-term potentiation of the perforant path in vivo is associated with increased glutamate release. <i>Nature</i> , 1982 , 297, 496-8	50.4	350
12	Serotonin stimulates phosphorylation of protein I in the facial motor nucleus of rat brain. <i>Nature</i> , 1981 , 289, 76-9	50.4	74
11	Presence of protein I, a phosphoprotein associated with synaptic vesicles, in cerebellar granule cells. <i>Journal of Neurochemistry</i> , 1981 , 36, 1627-31	6	13
10	Neuronal protein phosphorylation: recent studies concerning protein I, a synapse-specific phosphoprotein. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 13 Suppl 1, 169-74	3.9	4
9	Genetically determined differences in noradrenergic input to the brain cortex: a histochemical and biochemical study in two inbred strains of mice. <i>Neuroscience</i> , 1979 , 4, 877-88	3.9	75
8	The resolution of dopamine and beta 1- and beta 2-adrenergic-sensitive adenylate cyclase activities in homogenates of cat cerebellum, hippocampus and cerebral cortex. <i>Brain Research</i> , 1979 , 179, 305-17	3.7	56
7	Beta-Adrenergic Receptors in C6 Glioma Cells and Central Nervous System 1979 , 127-136		
6	Direct interaction of LSD with central "beta"-adrenergic receptors. <i>Life Sciences</i> , 1978 , 22, 345-52	6.8	9
5	Noradrenaline-sensitive adenylate cyclase in slices of mouse limbic forebrain: characterisation and effect of dopaminergic agonists. <i>Biochemical Pharmacology</i> , 1977 , 26, 1877-84	6	16
4	Behavioural and biochemical effects of chronic reduction of cerebral noradrenaline receptor stimulation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1977 , 299, 167-73	3.4	8
3	Modification of the L-DOPA reversal of reserpine akinesia by inhibitors of dopamine-beta-hydroxylase. <i>European Journal of Pharmacology</i> , 1976 , 35, 135-44	5.3	7
2	Pharmacological evidence for cerebral dopamine receptor blockade by metoclopramide in rodents. <i>Psychopharmacology</i> , 1975 , 41, 133-8	4.7	57
1	Calcium Channel Diversity1-9		