

Nathan Dascal

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132 papers	7,207 citations	44 h-index	82 g-index
174 ext. papers	7,609 ext. citations	6.6 avg, IF	5.53 L-index

#	Paper	IF	Citations
132	The use of <i>Xenopus</i> oocytes for the study of ion channels. <i>Critical Reviews in Biochemistry</i> , 1987 , 22, 317-87		525
131	The roles of the subunits in the function of the calcium channel. <i>Science</i> , 1991 , 253, 1553-7	33.3	506
130	cAMP-dependent regulation of cardiac L-type Ca ²⁺ channels requires membrane targeting of PKA and phosphorylation of channel subunits. <i>Neuron</i> , 1997 , 19, 185-96	13.9	447
129	Atrial G protein-activated K ⁺ channel: expression cloning and molecular properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 10235-9	11.5	334
128	Signalling via the G protein-activated K ⁺ channels. <i>Cellular Signalling</i> , 1997 , 9, 551-73	4.9	266
127	Inositol 1,4,5-trisphosphate mimics muscarinic response in <i>Xenopus</i> oocytes. <i>Nature</i> , 1985 , 313, 141-3	50.4	238
126	Expression and modulation of voltage-gated calcium channels after RNA injection in <i>Xenopus</i> oocytes. <i>Science</i> , 1986 , 231, 1147-50	33.3	159
125	Primary structure and functional expression of a cyclic nucleotide-gated channel from rabbit aorta. <i>FEBS Letters</i> , 1993 , 329, 134-8	3.8	143
124	G(α)(i) controls the gating of the G protein-activated K(+) channel, GIRK. <i>Neuron</i> , 2002 , 33, 87-99	13.9	141
123	Ion-channel regulation by G proteins. <i>Trends in Endocrinology and Metabolism</i> , 2001 , 12, 391-8	8.8	138
122	Positive and negative coupling of the metabotropic glutamate receptors to a G protein-activated K ⁺ channel, GIRK, in <i>Xenopus</i> oocytes. <i>Journal of General Physiology</i> , 1997 , 109, 477-90	3.4	137
121	<i>Xenopus</i> oocyte resting potential, muscarinic responses and the role of calcium and guanosine 3',5'-cyclic monophosphate. <i>Journal of Physiology</i> , 1984 , 352, 551-74	3.9	137
120	Point mutation in the HCN4 cardiac ion channel pore affecting synthesis, trafficking, and functional expression is associated with familial asymptomatic sinus bradycardia. <i>Circulation</i> , 2007 , 116, 463-70	16.7	136
119	Movement of gating charge R _s coupled to ligand binding in a G-protein-coupled receptor. <i>Nature</i> , 2006 , 444, 106-9	50.4	129
118	Voltage clamping of <i>Xenopus laevis</i> oocytes utilizing agarose-cushion electrodes. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 426, 453-8	4.6	124
117	Involvement of a GTP-binding protein in mediation of serotonin and acetylcholine responses in <i>Xenopus</i> oocytes injected with rat brain messenger RNA. <i>Molecular Brain Research</i> , 1986 , 387, 201-9		111
116	Modulation of L-type Ca ²⁺ channels by Gβγ and calmodulin via interactions with N and C termini of α _{1C} . <i>Journal of Biological Chemistry</i> , 2000 , 275, 39846-54	5.4	110

115	Inhibition of an inwardly rectifying K ⁺ channel by G-protein alpha-subunits. <i>Nature</i> , 1996 , 380, 624-7	50.4	107
114	Two calcium-activated chloride conductances in <i>Xenopus laevis</i> oocytes permeabilized with the ionophore A23187. <i>Journal of Physiology</i> , 1989 , 408, 511-34	3.9	107
113	Activation of protein kinase C alters voltage dependence of a Na ⁺ channel. <i>Neuron</i> , 1991 , 6, 165-75	13.9	103
112	The M2 muscarinic G-protein-coupled receptor is voltage-sensitive. <i>Journal of Biological Chemistry</i> , 2003 , 278, 22482-91	5.4	101
111	Crucial role of N terminus in function of cardiac L-type Ca ²⁺ channel and its modulation by protein kinase C. <i>Journal of Biological Chemistry</i> , 1998 , 273, 17901-9	5.4	93
110	Adenosine-induced slow ionic currents in the <i>Xenopus</i> oocyte. <i>Nature</i> , 1982 , 298, 572-4	50.4	81
109	Tissue-specific expression of high-voltage-activated dihydropyridine-sensitive L-type calcium channels. <i>FEBS Journal</i> , 1991 , 200, 81-8		79
108	Expression of an atrial G-protein-activated potassium channel in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 6596-600	11.5	76
107	Distribution and localization of a G protein-coupled inwardly rectifying K ⁺ channel in the rat. <i>FEBS Letters</i> , 1994 , 348, 139-44	3.8	71
106	Regulation of cardiac L-type Ca ²⁺ channel CaV1.2 via the β -adrenergic-cAMP-protein kinase A pathway: old dogmas, advances, and new uncertainties. <i>Circulation Research</i> , 2013 , 113, 617-31	15.7	70
105	A potential site of functional modulation by protein kinase A in the cardiac Ca ²⁺ channel alpha 1C subunit. <i>FEBS Letters</i> , 1996 , 384, 189-92	3.8	70
104	Phosphorylation by protein kinase A of RCK1 K ⁺ channels expressed in <i>Xenopus</i> oocytes. <i>Biochemistry</i> , 1994 , 33, 8786-92	3.2	65
103	Types of muscarinic response in <i>Xenopus</i> oocytes. <i>Life Sciences</i> , 1980 , 27, 1423-8	6.8	63
102	Modulation of cardiac Ca ²⁺ channels in <i>Xenopus</i> oocytes by protein kinase C. <i>FEBS Letters</i> , 1992 , 306, 113-8	3.8	59
101	Acetylcholine and phorbol esters inhibit potassium currents evoked by adenosine and cAMP in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 6001-5	11.5	58
100	Galpha1 and Galpha3 differentially interact with, and regulate, the G protein-activated K ⁺ channel. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17260-8	5.4	57
99	Mapping the Gbetagamma-binding sites in GIRK1 and GIRK2 subunits of the G protein-activated K ⁺ channel. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29174-83	5.4	57
98	Evidence for the existence of a cardiac specific isoform of the alpha 1 subunit of the voltage dependent calcium channel. <i>FEBS Letters</i> , 1989 , 250, 509-14	3.8	57

97	Protein kinase C modulates neurotransmitter responses in <i>Xenopus</i> oocytes injected with rat brain RNA. <i>Molecular Brain Research</i> , 1989 , 5, 193-202		55
96	Heterologous facilitation of G protein-activated K(+) channels by beta-adrenergic stimulation via cAMP-dependent protein kinase. <i>Journal of General Physiology</i> , 2000 , 115, 547-58	3.4	54
95	SK4 Ca ²⁺ activated K ⁺ channel is a critical player in cardiac pacemaker derived from human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1685-94	11.5	50
94	Early infantile epileptic encephalopathy associated with a high voltage gated calcium channelopathy. <i>Journal of Medical Genetics</i> , 2013 , 50, 118-23	5.8	50
93	A novel mutation in the HCN4 gene causes symptomatic sinus bradycardia in Moroccan Jews. <i>Journal of Cardiovascular Electrophysiology</i> , 2010 , 21, 1365-72	2.7	50
92	A retinal-specific regulator of G-protein signaling interacts with Galpha(o) and accelerates an expressed metabotropic glutamate receptor 6 cascade. <i>Journal of Neuroscience</i> , 2004 , 24, 5684-93	6.6	50
91	Renin-aldosterone response, urinary Na/K ratio and growth in pseudohypoaldosteronism patients with mutations in epithelial sodium channel (ENaC) subunit genes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 111, 268-74	5.1	48
90	Coupling of the muscarinic m2 receptor to G protein-activated K(+) channels via Galpha(z) and a receptor-Galphi(z) fusion protein. Fusion between the receptor and Galphi(z) eliminates catalytic (collision) coupling. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4166-70	5.4	46
89	Gbetagamma-dependent and Gbetagamma-independent basal activity of G protein-activated K ⁺ channels. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16685-94	5.4	45
88	The N terminus of the cardiac L-type Ca(2+) channel alpha(1C) subunit. The initial segment is ubiquitous and crucial for protein kinase C modulation, but is not directly phosphorylated. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31145-9	5.4	43
87	Modulation of vertebrate brain Na ⁺ and K ⁺ channels by subtypes of protein kinase C. <i>FEBS Letters</i> , 1990 , 267, 25-8	3.8	43
86	Acetylcholine promotes progesterone-induced maturation of <i>Xenopus</i> oocytes. <i>The Journal of Experimental Zoology</i> , 1984 , 230, 131-5		41
85	Na ⁺ promotes the dissociation between Galpha GDP and Gbeta gamma, activating G protein-gated K ⁺ channels. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3840-5	5.4	40
84	Specific block of calcium channel expression by a fragment of dihydropyridine receptor cDNA. <i>Science</i> , 1989 , 243, 666-9	33.3	40
83	Divergent regulation of GIRK1 and GIRK2 subunits of the neuronal G protein gated K ⁺ channel by GalphiGDP and Gbetagamma. <i>Journal of Physiology</i> , 2009 , 587, 3473-91	3.9	39
82	The Roles of G α and G $\beta\gamma$ in Gating and Regulation of GIRK Channels. <i>International Review of Neurobiology</i> , 2015 , 123, 27-85	4.4	38
81	Galphi3 primes the G protein-activated K ⁺ channels for activation by coexpressed Gbetagamma in intact <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 2007 , 581, 17-32	3.9	38
80	Regulation of maximal open probability is a separable function of Ca(v)beta subunit in L-type Ca ²⁺ channel, dependent on NH2 terminus of alpha1C (Ca(v)1.2alpha). <i>Journal of General Physiology</i> , 2006 , 128, 15-36	3.4	38

79	Inactivation of calcium-activated chloride conductance in <i>Xenopus</i> oocytes: roles of calcium and protein kinase C. <i>Pflugers Archiv European Journal of Physiology</i> , 1990 , 416, 1-6	4.6	38
78	A novel long N-terminal isoform of human L-type Ca ²⁺ channel is up-regulated by protein kinase C. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3419-23	5.4	36
77	G α (i) and G β gamma jointly regulate the conformations of a G β gamma effector, the neuronal G protein-activated K ⁺ channel (GIRK). <i>Journal of Biological Chemistry</i> , 2010 , 285, 6179-85	5.4	35
76	Inhibition of function in <i>Xenopus</i> oocytes of the inwardly rectifying G-protein-activated atrial K channel (GIRK1) by overexpression of a membrane-attached form of the C-terminal tail. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 6758-62	11.5	35
75	CaBP1 regulates voltage-dependent inactivation and activation of Ca(V)1.2 (L-type) calcium channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13945-53	5.4	33
74	Two distinct aspects of coupling between G β 1 protein and G protein-activated K ⁺ channel (GIRK) revealed by fluorescently labeled G β 13 protein subunits. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33223-35	5.4	32
73	Competitive and non-competitive regulation of calcium-dependent inactivation in CaV1.2 L-type Ca ²⁺ channels by calmodulin and Ca ²⁺ -binding protein 1. <i>Journal of Biological Chemistry</i> , 2013 , 288, 12680-91	5.4	31
72	ATP-evoked membrane responses in <i>Xenopus</i> oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1986 , 406, 158-62	4.6	31
71	Slow modal gating of single G protein-activated K ⁺ channels expressed in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 2000 , 524 Pt 3, 737-55	3.9	30
70	Expression of Exogenous Ion Channels and Neurotransmitter Receptors in RNA-Injected <i>Xenopus</i> Oocytes 1992 , 205-226		30
69	Is a decrease in cyclic AMP a necessary and sufficient signal for maturation of amphibian oocytes?. <i>Developmental Biology</i> , 1988 , 127, 25-32	3.1	30
68	The role of a voltage-dependent Ca ²⁺ channel intracellular linker: a structure-function analysis. <i>Journal of Neuroscience</i> , 2012 , 32, 7602-13	6.6	28
67	Modulation of a Shaker potassium A-channel by protein kinase C activation. <i>FEBS Letters</i> , 1991 , 279, 256-60	3.8	28
66	Dual regulation of G proteins and the G-protein-activated K ⁺ channels by lithium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5018-23	11.5	27
65	Cyclic GMP mimics the muscarinic response in <i>Xenopus</i> oocytes: identity of ionic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982 , 79, 3052-6	11.5	26
64	Truncated beta epithelial sodium channel (ENaC) subunits responsible for multi-system pseudohypoaldosteronism support partial activity of ENaC. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 119, 84-8	5.1	25
63	N terminus of type 5 adenylyl cyclase scaffolds Gs heterotrimer. <i>Molecular Pharmacology</i> , 2009 , 76, 1256-64	4.9	25
62	An inactivation gate in the selectivity filter of KCNQ1 potassium channels. <i>Biophysical Journal</i> , 2007 , 93, 4159-72	2.9	25

61	Heterologous expression of calcium channels. <i>Journal of Membrane Biology</i> , 1992 , 126, 97-108	2.3	25
60	Short- and long-term desensitization of serotonergic response in <i>Xenopus</i> oocytes injected with brain RNA: roles for inositol 1,4,5-trisphosphate and protein kinase C. <i>Pflugers Archiv European Journal of Physiology</i> , 1990 , 416, 7-16	4.6	25
59	Intracellular Na ⁺ inhibits voltage-dependent N-type Ca ²⁺ channels by a G protein betagamma subunit-dependent mechanism. <i>Journal of Physiology</i> , 2004 , 556, 121-34	3.9	24
58	Molecular mechanism of protein kinase C modulation of sodium channel alpha-subunits expressed in <i>Xenopus</i> oocytes. <i>FEBS Letters</i> , 1991 , 291, 341-4	3.8	24
57	Recruitment of G α controls the basal activity of G-protein coupled inwardly rectifying potassium (GIRK) channels: crucial role of distal C terminus of GIRK1. <i>Journal of Physiology</i> , 2014 , 592, 5373-90	3.9	21
56	Characterization of the calmodulin-binding site in the N terminus of CaV1.2. <i>Channels</i> , 2009 , 3, 337-42	3	21
55	Identification of the roles of conserved charged residues in the extracellular domain of an epithelial sodium channel (ENaC) subunit by alanine mutagenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F887-97	4.3	21
54	A C-terminal peptide of the GIRK1 subunit directly blocks the G protein-activated K ⁺ channel (GIRK) expressed in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1997 , 505 (Pt 1), 13-22	3.9	21
53	Agonist-independent inactivation and agonist-induced desensitization of the G protein-activated K ⁺ channel (GIRK) in <i>Xenopus</i> oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 436, 56-68	4.6	21
52	Expression levels of RGS7 and RGS4 proteins determine the mode of regulation of the G protein-activated K(+) channel and control regulation of RGS7 by G beta 5. <i>FEBS Letters</i> , 2001 , 492, 20-8	3.8	20
51	Evidence for the existence of RNA of Ca(2+)-channel alpha 2/delta subunit in <i>Xenopus</i> oocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1137, 39-44	4.9	20
50	Level of expression controls modes of gating of a K ⁺ channel. <i>FEBS Letters</i> , 1992 , 302, 21-5	3.8	20
49	Molecular mechanisms that control initiation and termination of physiological depolarization-evoked transmitter release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4435-40	11.5	18
48	Conserved charged residues at the surface and interface of epithelial sodium channel subunits--roles in cell surface expression and the sodium self-inhibition response. <i>FEBS Journal</i> , 2014 , 281, 2097-111	5.7	17
47	Stargazin modulates neuronal voltage-dependent Ca(2+) channel Ca(v)2.2 by a Gbetagamma-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20462-71	5.4	17
46	Modulation of the voltage-dependent sodium channel by agents affecting G-proteins: a study in <i>Xenopus</i> oocytes injected with brain RNA. <i>Brain Research</i> , 1989 , 496, 197-203	3.7	17
45	Coupling of GABAB receptor GABAB2 subunit to G proteins: evidence from <i>Xenopus</i> oocyte and baby hamster kidney cell expression system. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C200-7	5.4	16
44	Modulation of cardiac Ca ²⁺ channel by Gq-activating neurotransmitters reconstituted in <i>Xenopus</i> oocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12503-10	5.4	16

43	Serotonin and protein kinase C modulation of a rat brain inwardly rectifying K ⁺ channel expressed in xenopus oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1996 , 431, 335-40	4.6	16
42	Analysis and functional characteristics of dihydropyridine-sensitive and -insensitive calcium channel proteins. <i>Biochemical Pharmacology</i> , 1990 , 40, 1171-8	6	16
41	Further characterization of the slow muscarinic responses in Xenopus oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1987 , 409, 512-20	4.6	16
40	Imaging plasma membrane proteins in large membrane patches of Xenopus oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 440, 627-33	4.6	15
39	Anion-sensitive regions of L-type CaV1.2 calcium channels expressed in HEK293 cells. <i>PLoS ONE</i> , 2010 , 5, e8602	3.7	15
38	Molecular Aspects of Modulation of L-type Calcium Channels by Protein Kinase C. <i>Current Molecular Pharmacology</i> , 2015 , 8, 43-53	3.7	13
37	Ahnak1 interaction is affected by phosphorylation of Ser-296 on Cav α_1 . <i>Biochemical and Biophysical Research Communications</i> , 2012 , 421, 184-9	3.4	13
36	Kinetic modeling of Na(+)-induced, Gbetagamma-dependent activation of G protein-gated K(+) channels. <i>Journal of Molecular Neuroscience</i> , 2005 , 25, 7-19	3.3	13
35	Voltage clamp recordings from Xenopus oocytes. <i>Current Protocols in Neuroscience</i> , 2001 , Chapter 6, Unit 6.12	2.7	13
34	Regulation of cardiac L-type Ca ²⁺ channel by coexpression of G(α_s) in Xenopus oocytes. <i>FEBS Letters</i> , 1999 , 444, 78-84	3.8	13
33	Interactions between N and C termini of α_1C subunit regulate inactivation of CaV1.2 L-type Ca(2+) channel. <i>Channels</i> , 2016 , 10, 55-68	3	11
32	A Quantitative Model of the GIRK1/2 Channel Reveals That Its Basal and Evoked Activities Are Controlled by Unequal Stoichiometry of G β and G γ . <i>PLoS Computational Biology</i> , 2015 , 11, e1004598	5	11
31	Modal behavior of the Kv1.1 channel conferred by the Kv α_1 1.1 subunit and its regulation by dephosphorylation of Kv1.1. <i>Pflugers Archiv European Journal of Physiology</i> , 1999 , 439, 18-26	4.6	11
30	Modulation of distinct isoforms of L-type calcium channels by G(q)-coupled receptors in Xenopus oocytes: antagonistic effects of G $\beta\gamma$ and protein kinase C. <i>Channels</i> , 2012 , 6, 426-37	3	10
29	Protein kinase A regulates C-terminally truncated Ca ²⁺ 1.2 in Xenopus oocytes: roles of N- and C-termini of the β subunit. <i>Journal of Physiology</i> , 2017 , 595, 3181-3202	3.9	9
28	Protein kinase C enhances plasma membrane expression of cardiac L-type calcium channel, Ca ²⁺ 1.2. <i>Channels</i> , 2017 , 11, 604-615	3	9
27	Expression of mRNA encoding voltage-dependent Ca channels in Xenopus oocytes. Review and progress report. <i>Annals of the New York Academy of Sciences</i> , 1989 , 560, 174-82	6.5	9
26	Dissociation of acetylcholine- and cyclic GMP-induced currents in Xenopus oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1987 , 409, 521-7	4.6	9

25	Reconstitution of β -adrenergic regulation of Ca _v 1.2: Rad-dependent and Rad-independent protein kinase A mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
24	Collision coupling in the GABA receptor-G protein-GIRK signaling cascade. <i>FEBS Letters</i> , 2017 , 591, 2816-2825	3.8	8
23	Recording of voltage and Ca(2+)-dependent currents in Xenopus oocytes using an intracellular perfusion method. <i>Journal of Neuroscience Methods</i> , 1991 , 39, 29-38	3	8
22	Regulation of intracellular calcium activity in Xenopus oocytes. <i>Methods in Enzymology</i> , 1992 , 207, 381-407	3.7	8
21	Mutual action by G α and G $\beta\gamma$ for optimal activation of GIRK channels in a channel subunit-specific manner. <i>Scientific Reports</i> , 2019 , 9, 508	4.9	6
20	Molecular basis of the facilitation of the heterooligomeric GIRK1/GIRK4 complex by cAMP dependent protein kinase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1214-21	3.8	6
19	Ca(V) _v 1.2 I-II linker structure and Timothy syndrome. <i>Channels</i> , 2012 , 6, 468-72	3	6
18	Andersen-Tawil Syndrome Is Associated With Impaired PIP Regulation of the Potassium Channel Kir2.1. <i>Frontiers in Pharmacology</i> , 2020 , 11, 672	5.6	5
17	Interaction between injected Ca ²⁺ and intracellular Ca ²⁺ stores in Xenopus oocytes. <i>FEBS Letters</i> , 1990 , 267, 22-4	3.8	5
16	Cholinergic modulation of progesterone-induced maturation of Xenopus oocytes in vitro. <i>Gamete Research</i> , 1985 , 12, 171-181		5
15	Divalent cations and transmitter release at low concentration of tetrodotoxin. <i>Biophysical Journal</i> , 1981 , 35, 573-86	2.9	5
14	Amplitude histogram-based method of analysis of patch clamp recordings that involve extreme changes in channel activity levels. <i>Journal of Molecular Neuroscience</i> , 2009 , 37, 201-11	3.3	4
13	G protein-activated K ⁺ channels: a reporter for rapid activation of G proteins by lysophosphatidic acid in Xenopus oocytes. <i>FEBS Letters</i> , 2004 , 564, 157-60	3.8	3
12	Intracellular perfusion of Xenopus oocytes. <i>Methods in Enzymology</i> , 1992 , 207, 345-52	1.7	3
11	Expression of voltage-dependent Ca channels from skeletal muscle in Xenopus oocytes. <i>Annals of the New York Academy of Sciences</i> , 1989 , 560, 183-4	6.5	3
10	Antiepileptic Drug Ethosuximide May Regulate Absence Seizures Through Different Ion Channels. <i>Biophysical Journal</i> , 2020 , 118, 588a	2.9	3
9	A Collision Coupling Model Governs the Activation of Neuronal GIRK1/2 Channels by Muscarinic-2 Receptors. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1216	5.6	2
8	Lithium reduces the span of G protein-activated K (GIRK) channel inhibition in hippocampal neurons. <i>Bipolar Disorders</i> , 2017 , 19, 568-574	3.8	2

7	Further characterization of regulation of Ca(V)2.2 by stargazin. <i>Channels</i> , 2010 , 4, 351-4	3	2
6	Expression cloning of KCRF, a potassium channel regulatory factor. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 852-8	3-4	2
5	G protein-coupled potassium channels implicated in mouse and cellular models of GNB1 Encephalopathy		2
4	A novel small molecule selective activator of homomeric GIRK4 channels.. <i>Journal of Biological Chemistry</i> , 2022 , 102009	5-4	2
3	A selectivity filter mutation provides insights into gating regulation of a K channel.. <i>Communications Biology</i> , 2022 , 5, 345	6-7	1
2	Presynaptic effects of midgut extract from larvae of the Oriental hornet (<i>Vespa orientalis</i>). <i>Toxicon</i> , 1980 , 18, 339-42	2-8	
1	Encephalopathy-causing mutations in G α () alter regulation of neuronal GIRK channels. <i>IScience</i> , 2021 , 24, 103018	6-1	