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Low access resistance perforated patch recordings using amphotericin B

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850	Light-activated ion channels in solitary photoreceptors of the scallop Pecten irradians. <b>1992</b> , 99, 747-69	38
849	Adrenergic stimulation of bovine non-pigmented ciliary epithelial cells raises cAMP but has no effect on K+ or Cl- currents. <b>1992</b> , 11, 1019-29	10
848	Isoprenaline, Ca2+ and the Na(+)-K+ pump in guinea-pig ventricular myocytes. <b>1992</b> , 449, 689-704	53
847	Investigations into neuropeptide Y-mediated presynaptic inhibition in cultured hippocampal neurones of the rat. <b>1992</b> , 107, 334-40	60
846	SK&F 96365 inhibits histamine-induced formation of endothelium-derived relaxing factor in human endothelial cells. <b>1992</b> , 186, 1539-45	31
845	Activation of a small-conductance Ca(2+)-dependent K+ channel contributes to bradykinin-induced stimulation of nitric oxide synthesis in pig aortic endothelial cells. <b>1992</b> , 1137, 162-70	61
844	Prevention of rundown in electrophysiological recording. <b>1992</b> , 207, 149-55	51
843	Potassium currents from isolated frog lens epithelial cells. <b>1992</b> , 55, 861-8	16
842	Divalent cation effects on lens conductance and stretch-activated cation channels. <b>1992</b> , 55, 135-44	26
841	Na channel kinetics remain stable during perforated-patch recordings. <b>1992</b> , 263, C1234-40	76
840	Contribution of agonist-induced hyperpolarization to Ca2+ influx and formation of EDRF in vascular endothelial cells. <b>1992</b> , 58, 213-219	7
839	Transient outwardly rectifying potassium channel in the rabbit corneal endothelium. <b>1992</b> , 128, 123-32	12
838	Regulation of a potassium-selective current in rabbit corneal epithelium by cyclic GMP, carbachol and diltiazem. <b>1992</b> , 129, 99-107	23
837	Symmetrical segregation of potassium channels at cytokinesis. <b>1993</b> , 24, 675-86	3
836	Ion channel involvement in the temperature-sensitive response of the rabbit corneal endothelial cell resting membrane potential. <b>1993</b> , 135, 61-71	2

Regulation of a voltage-dependent, calcium-activated K conductance by cyclic GMP in dissociated 835 flounder enterocytes. 1993, 163, 581-6 The developmental onset of NMDA receptor-channel activity during neuronal migration. 1993, 32, 1239-48 834 139 The effect of amphotericin B on the K-channel activity of MDCK cells. 1993, 1152, 189-91 833 12 Enhancement of transmission at the developing retinogeniculate synapse. 1993, 10, 815-25 832 92 Characterization of an outward potassium current in canine jejunal circular smooth muscle and its 831 55 activation by fenamates. 1993, 468, 297-310 Modulation of K+ and Ca2+ channels by histamine H1-receptor stimulation in rabbit coronary artery 830 53 cells. 1993, 468, 379-400 Regulation of Ca2+ channels by cAMP and cGMP in vascular smooth muscle cells. Circulation 829 15.7 133 Research, 1993, 73, 1128-37 Cross-linking of IgG receptors inhibits membrane immunoglobulin-stimulated calcium influx in B 828 100 lymphocytes. 1993, 121, 355-63 Mobile and immobile calcium buffers in bovine adrenal chromaffin cells. 1993, 469, 245-73 827 357 Comparison of ionic currents from interstitial cells and smooth muscle cells of canine colon. 1993, 826 81 460, 135-52 Electrical properties of resting and acetylcholine-stimulated endothelium in intact rat aorta. 1993, 825 78 462, 735-51 Adenosine-activated potassium current in smooth muscle cells isolated from the pig coronary 824 159 artery. 1993, 471, 767-86 823 Effect of volume changes on a potassium current in rabbit corneal epithelial cells. 1993, 264, C1238-45 37 Membrane potential oscillation from a novel combination of ion channels. 1993, 265, C720-7 822 10 Role of nonselective cation current in muscarinic responses of canine colonic muscle. 1993, 265, C1463-71 821 51 820 Potassium current in circular smooth muscle of human jejunum activated by fenamates. 1993, 265, G873-9 16 Carbon monoxide stimulates a potassium-selective current in rabbit corneal epithelial cells. 1994, 819 35 267, C435-42 IKir regulation in murine macrophages: whole cell and perforated patch studies. 1994, 267, C1691-8 818

817	Perforated-patch recording does not enhance effect of 3-isobutyl-1-methylxanthine on cardiac calcium current. <b>1994</b> , 266, C1619-27		15
816	Potentiation of Ca(2+)-activated secretory activity by a cAMP-mediated mechanism in avian salt gland cells. <b>1994</b> , 267, C255-65		13
815	Whole-Cell Patch Recording with Simultaneous Measurement of Intracellular Calcium Concentration in Mammalian Brain Slices in Vitro. <b>1994</b> , 19, 340-358		4
814	Ca(2+)-permeable channel associated with platelet-derived growth factor receptor in mesangial cells. <b>1994</b> , 267, C456-65		24
813	Simultaneous measurement of Ca2+ release and influx into smooth muscle cells in response to caffeine. A novel approach for calculating the fraction of current carried by calcium. <b>1994</b> , 104, 395-422		55
812	Mechanisms of GABA and glycine depolarization-induced calcium transients in rat dorsal horn neurons. <b>1994</b> , 476, 411-21		212
811	Voltage-independent effects of extracellular K+ on the Na+ current and phase 0 of the action potential in isolated cardiac myocytes. <i>Circulation Research</i> , <b>1994</b> , 75, 491-502	15.7	27
810	Histamine induces K+, Ca2+, and Cl- currents in human vascular endothelial cells. Role of ionic currents in stimulation of nitric oxide biosynthesis. <i>Circulation Research</i> , <b>1994</b> , 75, 304-14	15.7	55
809	Outwardly rectifying potassium currents in lens epithelial cell membranes. <b>1994</b> , 13, 679-86		25
808	Differences in calcium homeostasis between retinal rod and cone photoreceptors revealed by the effects of voltage on the cGMP-gated conductance in intact cells. <b>1994</b> , 104, 909-40		40
807	Actions of growth-hormone-releasing hormone on rat pituitary cells: intracellular calcium and ionic currents. <b>1994</b> , 427, 414-21		43
806	Muscarinic-receptor activation stimulates oscillations in K+ and Cl- currents which are acutely dependent on extracellular Ca2+ in avian salt gland cells. <b>1994</b> , 426, 231-8		22
805	Inhibition of ATP-sensitive K+ channel by a non-sulfonylurea compound KAD-1229 in a pancreatic beta-cell line, MIN 6 cell. <b>1994</b> , 269, 293-8		35
804	Somatostatin-induced inhibition of neuronal Ca2+ current modulated by cGMP-dependent protein kinase. <b>1994</b> , 369, 336-9		127
803	Muscarinic regulation of Ca2+ currents in rat sensory neurons: channel and receptor types, dose-response relationships and cross-talk pathways. <b>1994</b> , 6, 381-91		38
802	Voltage-activated potassium currents in acutely dissociated hippocampal dentate gyrus neurons from neonatal rats. <b>1994</b> , 81, 309-13		6
801	Vasoactive intestinal peptide stimulates a cAMP-mediated Cl- current in avian salt gland cells. <b>1994</b> , 52, 205-14		11
800	Intracellular pH, cytosolic calcium concentration and electrical activity in RINm5F insulinoma cells. <b>1994</b> , 1192, 107-11		6

#### (1995-1994)

799	Dorsal root ganglion neurons of embryonic chicks contain nitric oxide synthase and respond to nitric oxide. <b>1994</b> , 648, 249-58		31
798	Effects of hypoxia on membrane potential and intracellular calcium in rat neonatal carotid body type I cells. <b>1994</b> , 476, 423-8		240
797	Effects of hypercapnia on membrane potential and intracellular calcium in rat carotid body type I cells. <b>1994</b> , 478 ( Pt 1), 157-71		126
796	Application of patch clamp methods to the study of calcium currents and calcium channels. <b>1994</b> , 40, 135-51		10
795	Injection of antisera into cells to study G-protein regulation of channel function. <b>1994</b> , 238, 357-64		3
794	O2-sensitive K+ currents in carotid body chemoreceptor cells from normoxic and chronically hypoxic rats and their roles in hypoxic chemotransduction. <b>1995</b> , 92, 295-9		125
793	Receptor kinase-dependent desensitization of the muscarinic K+ current in rat atrial cells. <b>1995</b> , 487 ( Pt 2), 359-66		34
792	Activation of ATP-dependent K+ channels by hypoxia in smooth muscle cells isolated from the pig coronary artery. <b>1995</b> , 483 ( Pt 1), 29-39		98
791	The suppression of Ca(2+)- and voltage-dependent outward K+ current during mAChR activation in rat adrenal chromaffin cells. <b>1995</b> , 485 ( Pt 2), 297-318		39
790	Thrombin-induced inhibition of potassium currents in human retinal glial (Mller) cells. <b>1995</b> , 485 (Pt 2), 337-48		45
789	Ca(2+)-activated K+ channels in isolated type I cells of the neonatal rat carotid body. <b>1995</b> , 483 ( Pt 3), 559-65		116
788	Intracellular polyamines mediate inward rectification of Ca(2+)-permeable alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors. <b>1995</b> , 92, 9298-302		197
787	The patch clamp technique. <b>1995</b> , 36, 382-92		26
786	Perforated-patch recording with gramicidin avoids artifactual changes in intracellular chloride concentration. <i>Journal of Neuroscience Methods</i> , <b>1995</b> , 57, 27-35	3	282
785	Patch clamp study of histamine activated potassium currents on rabbit olfactory bulb neurons. <b>1995</b> , 352, 386-93		9
784	Calcium entry in rabbit corneal epithelial cells: evidence for a nonvoltage dependent pathway. <b>1995</b> , 144, 177-84		25
783	Enhancement of Ca2+ channel currents in human neuroblastoma (SH-SY5Y) cells by phorbol esters with and without activation of protein kinase C. <b>1995</b> , 429, 729-37		16
782	Withdrawal of somatostatin augments L-type Ca2+ current in primary cultured rat somatotrophs. <b>1995</b> , 7, 855-9		8

781	Methods for studying neurotransmitter transduction mechanisms. <b>1995</b> , 33, 63-73	9
7 <sup>8</sup> 0	Pharmacology of selective and non-selective metabotropic glutamate receptor agonists at L-AP4 receptors in retinal ON bipolar cells. <b>1995</b> , 676, 93-102	22
779	Whole-cell and perforated patch recordings of four distinct K+ currents in acutely dispersed coeliac-superior mesenteric ganglia neurons of adult rats. <b>1995</b> , 701, 1-12	6
778	Three phases of TRH-induced facilitation of exocytosis by single lactotrophs. <b>1995</b> , 15, 4982-91	25
777	The Shaker-like potassium channels of the mouse rod bipolar cell and their contributions to the membrane current. <b>1995</b> , 15, 5004-13	50
776	Nonselective cation channel activation during wound healing in the corneal endothelium. <b>1995</b> , 268, C1179-85	7
775	Lysophosphatidic acid, serum, and hyposmolarity activate Cl- currents in corneal keratocytes. <b>1995</b> , 269, C1385-93	18
774	Fast, local signal transduction between the mu opioid receptor and Ca2+ channels. <b>1995</b> , 15, 4124-32	74
773	GABAA and GABAC receptors on hybrid bass retinal bipolar cells. <b>1995</b> , 74, 1920-8	97
772	An outwardly rectifying K+ current active near resting potential in human retinal pigment epithelial cells. <b>1995</b> , 269, C179-87	26
771	Response to CO2 of neurons in the rostral ventral medulla in vitro. <b>1995</b> , 73, 933-44	163
770	Cell swelling has differential effects on the rapid and slow components of delayed rectifier potassium current in guinea pig cardiac myocytes. <b>1995</b> , 106, 1151-70	49
769	A Practical Guide to Patch Clamping. <b>1995</b> , 3-30	40
768	An ATP-sensitive potassium conductance in rabbit arterial endothelial cells. <b>1995</b> , 485 ( Pt 3), 595-606	57
767	Nicotine enhancement of fast excitatory synaptic transmission in CNS by presynaptic receptors. <b>1995</b> , 269, 1692-6	915
766	Gramicidin-perforated patch recording: GABA response in mammalian neurones with intact intracellular chloride. <b>1995</b> , 484 ( Pt 1), 77-86	150
765	Synergistic regulation of a neuronal chloride current by intracellular calcium and muscarinic receptor activation: a role for protein kinase C. <b>1995</b> , 15, 729-37	36
764	Bradykinin excites rat sympathetic neurons by inhibition of M current through a mechanism involving B2 receptors and G alpha q/11. <b>1995</b> , 14, 399-405	123

#### (1996-1995)

763	Inhibition of N-type Ca2+ channel currents in human neuroblastoma (SH-SY5Y) cells by muscarine via stimulation of M3 receptors. <b>1995</b> , 34, 319-26	8
762	Inhibition of Ca2+ channel currents in human neuroblastoma (SH-SY5Y) cells by neuropeptide Y and a novel cyclic neuropeptide Y analogue. <b>1995</b> , 34, 1507-14	20
761	Activation by ATP of a P2U 'nucleotide' receptor in an exocrine cell. <b>1995</b> , 115, 321-9	11
760	Calcium currents in human and canine jejunal circular smooth muscle cells. <b>1995</b> , 109, 707-17	29
759	Capsaicin-induced neurotoxicity in cultured dorsal root ganglion neurons: involvement of calcium-activated proteases. <b>1995</b> , 65, 1099-108	105
758	Modulation by cyclic GMP of the odour sensitivity of vertebrate olfactory receptor cells. <b>1996</b> , 263, 803-11	31
757	Effects of the BKCa channel activator, NS1619, on rat cerebral artery smooth muscle. <b>1996</b> , 117, 119-29	146
756	Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)-benzoic acid (NPPB) on membrane currents in rat portal vein. <b>1996</b> , 117, 175-83	24
755	Characterization of Ca(2+)-activated 86Rb+ fluxes in rat C6 glioma cells: a system for identifying novel IKCa-channel toxins. <b>1996</b> , 117, 479-487	12
754	Desensitization of glucagon-like peptide 1 receptors in insulin-secreting beta TC3 cells: role of PKA-independent mechanisms. <b>1996</b> , 118, 769-75	22
753	Effects on K+ currents in rat cerebellar granule neurones of a membrane-permeable analogue of the calcium chelator BAPTA. <b>1996</b> , 118, 1772-8	21
75 <sup>2</sup>	Dexamethasone rapidly increases calcium channel subunit messenger RNA expression and high voltage-activated calcium current in clonal pituitary cells. <b>1996</b> , 72, 857-62	24
751	GLP-1 depolarizes the rat pancreatic beta cell in a Na(+)-dependent manner. <b>1996</b> , 62, 23-7	19
75°	Inhibition by nystatin of Kv1.3 channels expressed in Chinese hamster ovary cells. <b>1996</b> , 35, 895-901	19
749	Torsade de pointes with an antihistamine metabolite: potassium channel blockade with desmethylastemizole. <b>1996</b> , 28, 1556-61	84
748	Modulation of membrane currents and mechanical activity by niflumic acid in rat vascular smooth muscle. <b>1996</b> , 317, 165-74	27
747	Long-term depression properties in a simple system. <b>1996</b> , 16, 103-11	65
746	Deficient cerebellar long-term depression, impaired eyeblink conditioning, and normal motor coordination in GFAP mutant mice. <b>1996</b> , 16, 587-99	390

745	Defining a minimal computational unit for cerebellar long-term depression. <b>1996</b> , 17, 333-41	41
744	A protein synthesis-dependent late phase of cerebellar long-term depression. <b>1996</b> , 17, 483-90	132
743	Neurotransmitter-induced inhibition of exocytosis in insulin-secreting beta cells by activation of calcineurin. <b>1996</b> , 17, 513-22	152
742	PKC-dependent stimulation of exocytosis by sulfonylureas in pancreatic beta cells. <b>1996</b> , 271, 813-5	176
741	Tetrodotoxin-sensitive inactivation-resistant sodium channels in pacemaker cells influence heart rate. <b>1996</b> , 431, 868-875	
740	Tetrodotoxin-sensitive inactivation-resistant sodium channels in pacemaker cells influence heart rate. <b>1996</b> , 431, 868-75	20
739	Modulation of Substance P-Induced K+ Current in Coronary Endothelium. <b>1996</b> , 4, 189-197	
738	Peptidergic modulation of synaptic transmission in the parabrachial nucleus in vitro: importance of degradative enzymes in regulating synaptic efficacy. <b>1996</b> , 16, 6046-55	35
737	Ionic channels in corneal endothelium. <b>1996</b> , 270, C975-89	23
736	GABAB receptors presynaptically modulate excitatory synaptic transmission in the rat supraoptic nucleus in vitro. <b>1996</b> , 76, 1166-79	74
735	Oxygen causes fetal pulmonary vasodilation through activation of a calcium-dependent potassium channel. <b>1996</b> , 93, 8089-94	127
734	Ca(2+)-dependent inactivation of NMDA receptors: fast kinetics and high Ca2+ sensitivity in rat dorsal horn neurons. <b>1996</b> , 495 ( Pt 2), 449-63	33
733	Chemosensitive medullary neurones in the brainstemspinal cord preparation of the neonatal rat. <b>1996</b> , 492 ( Pt 1), 277-92	143
732	Cooling inhibits exocytosis in single mouse pancreatic B-cells by suppression of granule mobilization. <b>1996</b> , 494 ( Pt 1), 41-52	78
731	Modulation of Ca2+ channel activity by ATP metabolism and internal Mg2+ in guinea-pig basilar artery smooth muscle cells. <b>1996</b> , 492 ( Pt 2), 359-76	26
730	Activation of protein kinase C inhibits calcium-activated potassium channels in rat pituitary tumour cells. <b>1996</b> , 493 ( Pt 3), 665-72	58
729	Recombinant GABAA receptor desensitization: the role of the gamma 2 subunit and its physiological significance. <b>1996</b> , 497 ( Pt 1), 145-59	55
728	cGMP-mediated effects on the physiology of bovine and human retinal Mller (glial) cells. <b>1996</b> , 497 ( Pt 3), 813-24	43

727	Vasoactive intestinal polypeptide modulation of nicotinic ACh receptor channels in rat intracardiac neurones. <b>1996</b> , 493 ( Pt 2), 503-15	23
726	Temporal specificity of muscarinic synaptic modulation of the Ca(2+)-dependent K+ current (ISAHP) in rat hippocampal neurones. <b>1996</b> , 496 ( Pt 2), 395-405	14
725	Monitoring calcium in turtle hair cells with a calcium-activated potassium channel. <b>1996</b> , 494 ( Pt 3), 613-26	68
724	Long-term potentiation at single fiber inputs to hippocampal CA1 pyramidal cells. <b>1996</b> , 93, 8710-5	102
723	Elevation of intracellular calcium by muscarinic receptor activation induces a block of voltage-activated rat ether-Ego-go channels in a stably transfected cell line. <b>1996</b> , 93, 9910-4	74
722	[Ca2+]i elevations detected by BK channels during Ca2+ influx and muscarine-mediated release of Ca2+ from intracellular stores in rat chromaffin cells. <b>1996</b> , 16, 4344-59	53
721	Properties of Na(+)-dependent K+ conductance in the apical membrane of frog taste cells. <b>1996</b> , 715, 79-85	12
720	The delayed rectifier, IKI, is the major conductance in type I vestibular hair cells across vestibular end organs. <b>1996</b> , 432, 34-42	39
719	VIP and secretin augment cardiac L-type calcium channel currents in isolated adult rat ventricular myocytes. <b>1996</b> , 432, 821-30	13
718	Characterization of whole-cell currents in mucosal and connective tissue rat mast cells using amphotericin-B-perforated patches and temperature control. <b>1996</b> , 432, 986-94	12
717	A fluorescence technique to measure intracellular pH of single neurons in brainstem slices. <i>Journal of Neuroscience Methods</i> , <b>1996</b> , 68, 149-63	37
716	Hippocampal synaptic transmission enhanced by low concentrations of nicotine. <b>1996</b> , 383, 713-6	853
715	Mechanisms for synchronous calcium oscillations in cultured rat cerebellar neurons. <b>1996</b> , 8, 192-201	38
7 <del>1</del> 4	Activation of NMDA receptor-channels in human retinal Mller glial cells inhibits inward-rectifying potassium currents. <b>1996</b> , 13, 319-26	81
713	Glucocorticoids block protein kinase A inhibition of calcium-activated potassium channels. <b>1996</b> , 271, 9197-200	70
712	Soluble or bound laminin elicit in human neuroblastoma cells short- or long-term potentiation of a K+ inwardly rectifying current: relevance to neuritogenesis. <b>1996</b> , 4, 369-85	26
711	Multiple Ionic Mechanisms Activated by Bradykinin in Coronary Venular Endothelial Cells. <b>1996</b> , 4, 29-40	2
710	Vasopressin modulates membrane properties of taste cells isolated from bullfrogs. <b>1996</b> , 21, 739-45	10

709	A non-inactivating K+ current sensitive to muscarinic receptor activation in rat cultured cerebellar granule neurons. <b>1996</b> , 491 ( Pt 2), 401-12	80
708	Changes in [Ca2+]i, [Na+]i and Ca2+ current in isolated rat ventricular myocytes following an increase in cell length. <b>1996</b> , 491 ( Pt 3), 609-19	70
707	Endocytosis of secretory granules in mouse pancreatic beta-cells evoked by transient elevation of cytosolic calcium. <b>1996</b> , 493 ( Pt 3), 755-67	73
706	Regulation by growth hormone-releasing hormone and somatostatin of a Na+ current in the primary cultured rat somatotroph. <b>1997</b> , 138, 5096-100	27
7°5	Swelling-activated Gd3+-sensitive cation current and cell volume regulation in rabbit ventricular myocytes. <b>1997</b> , 110, 297-312	61
704	Multiple forms of endocytosis in bovine adrenal chromaffin cells. <b>1997</b> , 139, 885-94	158
703	Differential electrophysiology of repolarisation from clone to clinic. <b>1997</b> , 33, 503-17	13
702	G protein-dependent inhibition of L-type Ca2+ currents by acetylcholine in mouse pancreatic B-cells. <b>1997</b> , 499 ( Pt 1), 65-76	37
701	Rebound stimulation of the cAMP-regulated Cl- current by acetylcholine in guinea-pig ventricular myocytes. <b>1997</b> , 499 ( Pt 1), 105-20	16
700	Chapter 4 Identification of Potassium Channels in Human Lens Epithelium. <b>1997</b> , 69-104	13
699	Adrenaline stimulates glucagon secretion in pancreatic A-cells by increasing the Ca2+ current and the number of granules close to the L-type Ca2+ channels. <b>1997</b> , 110, 217-28	139
698	Synaptic refractory period provides a measure of probability of release in the hippocampus. <b>1997</b> , 1309-18	55
697	IGF-1 modulates N and L calcium channels in a PI 3-kinase-dependent manner. <b>1997</b> , 19, 421-9	154
696	Effects of a cognition-enhancer, linopirdine (DuP 996), on M-type potassium currents (IK(M)) and some other voltage- and ligand-gated membrane currents in rat sympathetic neurons. <b>1997</b> , 9, 605-16	110
695	The 'sniffer-patch' technique for detection of neurotransmitter release. <b>1997</b> , 20, 192-7	45
694	Cholecystokinin and neurotensin inversely modulate excitatory synaptic transmission in the parabrachial nucleus in vitro. <b>1997</b> , 77, 23-35	33
693	Cell-cell coupling occurs in dorsal medullary neurons after minimizing anatomical-coupling artifacts. <b>1997</b> , 80, 21-40	53
692	GABA receptors of bipolar cells from the skate retina: actions of zinc on GABA-mediated membrane currents. <b>1997</b> , 78, 2402-12	67

691	Developmental changes in calcium current pharmacology and somatostatin inhibition in chick parasympathetic neurons. <b>1997</b> , 17, 6302-13	30
690	Activation and recovery of the PGE2-mediated sensitization of the capsaicin response in rat sensory neurons. <b>1997</b> , 78, 3154-64	68
689	M4 muscarinic receptor activation modulates calcium channel currents in rat intracardiac neurons. <b>1997</b> , 78, 1903-12	29
688	Frequency-dependent inactivation of mammalian A-type K+ channel KV1.4 regulated by Ca2+/calmodulin-dependent protein kinase. <b>1997</b> , 17, 3379-91	135
687	Heterogeneity of L-type calcium current density in coronary smooth muscle. <b>1997</b> , 273, H2083-9	22
686	Direct measurements of presynaptic calcium and calcium-activated potassium currents regulating neurotransmitter release at cultured Xenopus nerve-muscle synapses. <b>1997</b> , 17, 2990-3001	100
685	Passive and active membrane properties of isolated rat intracardiac neurons: regulation by H- and M-currents. <b>1997</b> , 78, 1890-902	60
684	Small-conductance Ca(2+)-dependent K+ channels activated by ATP in murine colonic smooth muscle. <b>1997</b> , 273, C2010-21	95
683	Isolated bovine retinal pigment epithelial cells express delayed rectifier type and M-type K+currents. <b>1997</b> , 273, C790-803	102
682	Glucose-induced swelling in rat pancreatic beta-cells. <b>1997</b> , 504 ( Pt 1), 191-8	68
681	Tetrodotoxin-sensitive sodium current in sheep lymphatic smooth muscle. <b>1997</b> , 503 ( Pt 1), 13-20	40
680	Mechanism of extracellular Ca2+ receptor-stimulated hormone release from sheep thyroid parafollicular cells. <b>1997</b> , 502 ( Pt 1), 31-44	96
679	Protein kinase A-dependent and -independent stimulation of exocytosis by cAMP in mouse pancreatic B-cells. <b>1997</b> , 502 ( Pt 1), 105-18	228
678	Ca2+ current and Ca(2+)-activated chloride current in isolated smooth muscle cells of the sheep urethra. <b>1997</b> , 505 ( Pt 1), 121-31	48
677	Corticotropin releasing hormone inhibits an inwardly rectifying potassium current in rat corticotropes. <b>1997</b> , 502 ( Pt 2), 265-79	38
676	Role of Q-type Ca2+ channels in vasopressin secretion from neurohypophysial terminals of the rat. <b>1997</b> , 502 ( Pt 2), 351-63	81
675	Rapid ATP-dependent priming of secretory granules precedes Ca(2+)-induced exocytosis in mouse pancreatic B-cells. <b>1997</b> , 503 ( Pt 2), 399-412	165
674	Involvement of voltage-dependent potassium channels in the EDHF-mediated relaxation of rat hepatic artery. <b>1997</b> , 121, 141-9	67

673	Hydrogen peroxide induced responses of cat tracheal smooth muscle cells. <b>1997</b> , 121, 867-74	15
672	Studies on the effects of anandamide in rat hepatic artery. <b>1997</b> , 122, 1679-86	66
671	Propagation of activity-dependent synaptic depression in simple neural networks. <b>1997</b> , 388, 439-48	146
670	Glutamate-evoked currents in acutely dissociated neurons from the rat medial preoptic nucleus. <b>1997</b> , 759, 270-6	29
669	Currents evoked by GABA and glycine in acutely dissociated neurons from the rat medial preoptic nucleus. <b>1997</b> , 770, 256-60	18
668	Development of HVA and LVA calcium currents in pyramidal CA1 neurons in the hippocampus of the rat. <b>1997</b> , 101, 139-47	31
667	Two distinct Na+ currents control cytosolic Ca2+ pulsing in Xenopus laevis pituitary melanotrophs. <i>Cell Calcium</i> , <b>1997</b> , 21, 241-51	12
666	Use of artificial ion channels for quasi-intracellular recording of cerebral cortex neuron activity. <b>1997</b> , 27, 702-7	5
665	Multisite regulation of insulin secretion by cAMP-increasing agonists: evidence that glucagon-like peptide 1 and glucagon act via distinct receptors. <b>1997</b> , 434, 515-24	75
664	Glucose and alpha-ketoisocaproate induce transient inward currents in rat pancreatic beta cells. <b>1997</b> , 40, 1-6	55
663	Voltage-activated and odor-modulated conductances in olfactory neurons of Drosophila melanogaster. <b>1997</b> , 32, 123-37	21
662	Effects of adrenalectomy on Ca2+ currents and Ca2+ channel subunit mRNA expression in hippocampal CA1 neurons of young rats. <b>1997</b> , 26, 155-64	12
661	A critical window for cooperation and competition among developing retinotectal synapses. <b>1998</b> , 395, 37-44	678
660	Calcium-dependent inactivation of high-threshold calcium currents in human dentate gyrus granule cells. <b>1998</b> , 509 ( Pt 1), 39-45	36
659	Characterization of an eag-like potassium channel in human neuroblastoma cells. <b>1998</b> , 508 ( Pt 1), 49-56	79
658	Gramicidin-perforated patch revealed depolarizing effect of GABA in cultured frog melanotrophs. <b>1998</b> , 507 ( Pt 1), 55-69	21
657	Ca2+-inhibited non-inactivating K+ channels in cultured rat hippocampal pyramidal neurones. <b>1998</b> , 510 ( Pt 1), 71-91	20
656	Heterogeneous presynaptic Ca2+ channel types triggering GABA release onto medial preoptic neurons from rat. <b>1998</b> , 507 ( Pt 1), 77-91	28

655	Changes in [Ca2+]i and membrane currents during impaired mitochondrial metabolism in dissociated rat hippocampal neurons. <b>1998</b> , 507 ( Pt 1), 131-45	70
654	On the role of endogenous G-protein beta gamma subunits in N-type Ca2+ current inhibition by neurotransmitters in rat sympathetic neurones. <b>1998</b> , 506 ( Pt 2), 319-29	67
653	Chemosensitivity of rat medullary raphe neurones in primary tissue culture. <b>1998</b> , 511 ( Pt 2), 433-50	156
652	Identification of an ATP-sensitive potassium channel current in rat striatal cholinergic interneurones. <b>1998</b> , 510 ( Pt 2), 441-53	60
651	Inhibition of Ca2+-dependent K+ channels in rat carotid body type I cells by protein kinase C. <b>1998</b> , 512 (Pt 3), 743-50	19
650	Synaptic inhibition: its role in suprachiasmatic nucleus neuronal thermosensitivity and temperature compensation in the rat. <b>1998</b> , 512 ( Pt 3), 793-807	17
649	Selective inhibition of M-type potassium channels in rat sympathetic neurons by uridine nucleotide preferring receptors. <b>1998</b> , 124, 1261-9	43
648	Ammonia-induced depolarization of cultured rat cortical astrocytes. <b>1998</b> , 782, 261-70	36
647	Calcium spikes and calcium currents in neurons from the medial preoptic nucleus of rat. <b>1998</b> , 783, 194-209	25
646	Influence of postnatal changes in action potential duration on Na-Ca exchange in rabbit ventricular myocytes. <b>1998</b> , 435, 789-95	17
645	A hyperpolarization-activated cation current (Ih) contributes to resting membrane potential in rat superior cervical sympathetic neurones. <b>1998</b> , 436, 429-35	34
644	Endothelin-1 inhibits voltage-sensitive Ca2+ channels in cultured rat cerebellar granule neurones via the ET-A receptor. <b>1998</b> , 436, 766-75	18
643	Role of cAMP, cGMP, and protein kinase C in regulation of calcium current through the L-type calcium channels in the electroexcitable membrane of smooth muscle cells. <b>1998</b> , 30, 63-71	
642	Photofrin II sensitized modifications of ion transport across the plasma membrane of an epithelial cell line: II. Analysis at the level of membrane patches. <b>1998</b> , 166, 187-96	11
641	Passive glial cells, fact or artifact?. <b>1998</b> , 166, 213-22	16
640	Perforated patch recording with beta-escin. <b>1998</b> , 436, 1021-3	80
639	Differential expression of voltage-gated K+ and Ca2+ currents in bipolar cells in the zebrafish retinal slice. <b>1998</b> , 10, 1350-62	41
638	Pre- and post-synaptic muscarinic receptors in thin slices of rat adrenal gland. <b>1998</b> , 10, 3535-45	20

637	Ethanol reduces the duration of single evoked spikes by a selective inhibition of voltage-gated calcium currents in acutely dissociated supraoptic neurons of the rat. <b>1998</b> , 10, 399-406	21
636	Swelling-induced decrease in spontaneous pacemaker activity of rabbit isolated sino-atrial node cells. <b>1998</b> , 164, 1-12	30
635	An adrenal slice preparation for the study of chromaffin cells and their cholinergic innervation.  Journal of Neuroscience Methods, 1998, 80, 181-9	29
634	SAP90 binds and clusters kainate receptors causing incomplete desensitization. <b>1998</b> , 21, 727-39	241
633	High extracellular Ca2+ and Ca2+-sensing receptor agonists activate nonselective cation conductance in freshly isolated rat osteoclasts. <b>1998</b> , 22, 495-501	14
632	Inwardly rectifying potassium channels in lens epithelium are from the IRK1 (Kir 2.1) family. <b>1998</b> , 66, 347-59	26
631	Multiple channels mediate calcium leakage in the A7r5 smooth muscle-derived cell line. <b>1998</b> , 75, 1271-86	7
630	Both T- and L-type Ca2+ channels can contribute to excitation-contraction coupling in cardiac Purkinje cells. <b>1998</b> , 74, 1830-9	54
629	Pacemaker synchronization of electrically coupled rabbit sinoatrial node cells. 1998, 111, 95-112	79
628	alpha-conotoxin EpI, a novel sulfated peptide from Conus episcopatus that selectively targets neuronal nicotinic acetylcholine receptors. <b>1998</b> , 273, 15667-74	93
627	Modulation of Ca2+ channels by cyclic nucleotide cross activation of opposing protein kinases in rabbit portal vein. <i>Circulation Research</i> , <b>1998</b> , 82, 557-65	90
626	Somatostatin receptor desensitization in NG108-15 cells. A consequence of receptor sequestration. <b>1998</b> , 273, 33174-83	64
625	Acute loss of cell-cell communication caused by G protein-coupled receptors: a critical role for c-Src. <b>1998</b> , 140, 1199-209	105
624	Low-noise patch-clamp techniques. <b>1998</b> , 293, 218-66	34
623	Tight-seal whole-cell patch clamping of Caenorhabditis elegans neurons. <b>1998</b> , 293, 201-17	32
622	Characterization of the hyperpolarization-activated inward current in isolated human atrial myocytes. <b>1998</b> , 38, 788-801	75
621	Circadian modulation of membrane properties in slices of rat suprachiasmatic nucleus. <b>1998</b> , 9, 3725-9	69
620	Synaptic modifications in cultured hippocampal neurons: dependence on spike timing, synaptic strength, and postsynaptic cell type. <b>1998</b> , 18, 10464-72	3005

619	The endogenous calcium buffer and the time course of transducer adaptation in auditory hair cells. <b>1998</b> , 18, 8261-77	147
618	Calcium action potentials in retinal bipolar neurons. <b>1998</b> , 15, 69-75	56
617	ACh- and caffeine-induced Ca2+ mobilization and current activation in rabbit arterial endothelial cells. <b>1998</b> , 275, H1748-58	1
616	P2Y2 nucleotide receptors expressed heterologously in sympathetic neurons inhibit both N-type Ca2+ and M-type K+ currents. <b>1998</b> , 18, 5170-9	72
615	The alpha subunit of Gq contributes to muscarinic inhibition of the M-type potassium current in sympathetic neurons. <b>1998</b> , 18, 4521-31	76
614	Modulation of nicotinic AChR channels by prostaglandin E2 in chick sympathetic ganglion neurons. <b>1998</b> , 79, 870-8	19
613	Nicotinic stimulation produces multiple forms of increased glutamatergic synaptic transmission. <b>1998</b> , 18, 7075-83	242
612	Sour transduction involves activation of NPPB-sensitive conductance in mouse taste cells. <b>1998</b> , 80, 1852-9	49
611	Electrophysiological properties of cultured neonatal rat dorsal horn neurons containing GABA and met-enkephalin-like immunoreactivity. <b>1998</b> , 79, 1583-6	41
610	Effects of PKA and PKC on miniature excitatory postsynaptic currents in CA1 pyramidal cells. <b>1998</b> , 80, 2797-800	77
609	PKC activity modulates availability and long openings of L-type Ca2+ channels in A7r5 cells. <b>1998</b> , 275, C535-43	57
608	ATP-dependent regulation of inwardly rectifying K+ current in bovine retinal pigment epithelial cells. <b>1998</b> , 275, C1372-83	18
607	Spontaneous transient outward currents and delayed rectifier K+ current: effects of hypoxia. <b>1998</b> , 275, L145-54	17
606	A maturational shift in pulmonary K+ channels, from Ca2+ sensitive to voltage dependent. <b>1998</b> , 275, L1019-25	37
605	Effect of temperature on electrical resonance in leopard frog saccular hair cells. <b>1998</b> , 79, 312-21	18
604	Distribution of heme oxygenase and effects of exogenous carbon monoxide in canine jejunum. <b>1998</b> , 274, G350-8	24
603	Exercise training increases K+-channel contribution to regulation of coronary arterial tone. <b>1998</b> , 84, 1225-33	59
602	Oxytocin modulates glutamatergic synaptic transmission between cultured neonatal spinal cord dorsal horn neurons. <b>1998</b> , 18, 2377-86	81

601	A current activated on depletion of intracellular Ca2+ stores can regulate exocytosis in adrenal chromaffin cells. <b>1999</b> , 19, 3711-22	75
600	An R-type Ca(2+) current in neurohypophysial terminals preferentially regulates oxytocin secretion. <b>1999</b> , 19, 9235-41	108
599	Effects of melatonin on ionic currents in cultured ocular tissues. <b>1999</b> , 276, C923-9	15
598	Neurosteroid modulation of synaptic and GABA-evoked currents in neurons from the rat medial preoptic nucleus. <b>1999</b> , 82, 143-51	59
597	Extracellular calcium regulates responses of both alpha3- and alpha7-containing nicotinic receptors on chick ciliary ganglion neurons. <b>1999</b> , 82, 1124-32	36
596	kappa- and mu-opioids reverse the somatostatin inhibition of Ca2+ currents in ciliary and dorsal root ganglion neurons. <b>1999</b> , 19, 5213-27	13
595	Nicotinic acetylcholine receptors containing alpha7 subunits are required for reliable synaptic transmission in situ. <b>1999</b> , 19, 3701-10	95
594	Two types of K(+) channel subunit, Erg1 and KCNQ2/3, contribute to the M-like current in a mammalian neuronal cell. <b>1999</b> , 19, 7742-56	114
593	Hippocampal long-term potentiation preserves the fidelity of postsynaptic responses to presynaptic bursts. <b>1999</b> , 19, 1236-46	60
592	Properties and plasticity of excitatory synapses on dopaminergic and GABAergic cells in the ventral tegmental area. <b>1999</b> , 19, 3723-30	266
591	Effects of fluoxetine, phentermine, and venlafaxine on pulmonary arterial pressure and electrophysiology. <b>1999</b> , 276, L213-9	7
590	Dexfenfluramine increases pulmonary artery smooth muscle intracellular Ca2+, independent of membrane potential. <b>1999</b> , 277, L662-6	16
589	Akt-dependent potentiation of L channels by insulin-like growth factor-1 is required for neuronal survival. <b>1999</b> , 19, 1940-51	119
588	Actin filaments and the opposing actions of CaM kinase II and calcineurin in regulating alpha7-containing nicotinic receptors on chick ciliary ganglion neurons. <b>1999</b> , 19, 10280-8	55
587	Control of action potential-driven calcium influx in GT1 neurons by the activation status of sodium and calcium channels. <b>1999</b> , 13, 587-603	53
586	Response kinetics and pharmacological properties of heteromeric receptors formed by coassembly of GABA rho- and gamma 2-subunits. <b>1999</b> , 266, 2419-25	54
585	A delayed rectifier current is modulated by the circadian pacemaker in Bulla. <b>1999</b> , 14, 141-50	19
584	Single amino acid substitutions in alpha-conotoxin PnIA shift selectivity for subtypes of the mammalian neuronal nicotinic acetylcholine receptor. <b>1999</b> , 274, 36559-64	65

583	Activation of $Ca(2+)$ -dependent $K(+)$ channels contributes to rhythmic firing of action potentials in mouse pancreatic beta cells. <b>1999</b> , 114, 759-70	122
582	Coordinate regulation of gonadotropin-releasing hormone neuronal firing patterns by cytosolic calcium and store depletion. <b>1999</b> , 96, 4101-6	50
581	Electrophysiological characterization of rat and mouse olfactory receptor neurons from an intact epithelial preparation. <i>Journal of Neuroscience Methods</i> , <b>1999</b> , 92, 31-40	65
580	Effect of catecholamines on the hyperpolarization-activated cationic Ih and the inwardly rectifying potassium I(Kir) currents in the rat substantia nigra pars compacta. <b>1999</b> , 11, 398-406	31
579	Muscarinic M1 receptors activate phosphoinositide turnover and Ca2+ mobilisation in rat sympathetic neurones, but this signalling pathway does not mediate M-current inhibition. <b>1999</b> , 520 Pt 1, 101-11	38
578	Hyperpolarisation-activated inward current in isolated sheep mesenteric lymphatic smooth muscle. <b>1999</b> , 521 Pt 1, 201-11	46
577	Voltage-gated and resting membrane currents recorded from B-cells in intact mouse pancreatic islets. <b>1999</b> , 521 Pt 3, 717-28	176
576	Activation of a Ca2+-permeable cation channel by two different inducers of apoptosis in a human prostatic cancer cell line. <b>1999</b> , 517 ( Pt 1), 95-107	38
575	Rat supraoptic magnocellular neurones show distinct large conductance, Ca2+-activated K+ channel subtypes in cell bodies versus nerve endings. <b>1999</b> , 519 Pt 1, 101-14	82
574	Monovalent cation and L-type Ca2+ channels participate in calcium paradox-like phenomenon in rabbit aortic smooth muscle cells. <b>1999</b> , 514 ( Pt 1), 71-81	19
573	Somatic and prejunctional nicotinic receptors in cultured rat sympathetic neurones show different agonist profiles. <b>1999</b> , 516 ( Pt 3), 739-56	39
572	The role of N-, Q- and R-type Ca2+ channels in feedback inhibition of ACh release from rat basal forebrain neurones. <b>1999</b> , 515 ( Pt 1), 93-107	30
571	Distributed synaptic modification in neural networks induced by patterned stimulation. <b>1999</b> , 401, 792-6	193
570	Benzodiazepine actions mediated by specific gamma-aminobutyric acid(A) receptor subtypes. <b>1999</b> , 401, 796-800	1027
569	Synaptic corelease of ATP and GABA in cultured spinal neurons. <b>1999</b> , 2, 241-5	302
568	Dual coupling of heterologously-expressed rat P2Y6 nucleotide receptors to N-type Ca2+ and M-type K+ currents in rat sympathetic neurones. <b>1999</b> , 126, 1009-17	56
567	Methylglyoxal causes swelling and activation of a volume-sensitive anion conductance in rat pancreatic beta-cells. <b>1999</b> , 167, 65-71	18
566	Role of action potentials and calcium influx in ATP- and UDP-induced noradrenaline release from rat cultured sympathetic neurones. <b>1999</b> , 359, 360-9	26

565	Characterisation of sulphonylurea and ATP-regulated K + channels in rat pancreatic A-cells. <b>1999</b> , 438, 428-436	60
564	UCL 1684: a potent blocker of Ca2+ -activated K+ channels in rat adrenal chromaffin cells in culture. <b>1999</b> , 368, 119-23	24
563	Characterisation of sulphonylurea and ATP-regulated K+ channels in rat pancreatic A-cells. <b>1999</b> , 438, 428-36	54
562	Functional human corneal equivalents constructed from cell lines. <b>1999</b> , 286, 2169-72	389
561	Development of chemosensitivity of rat medullary raphe neurons. <b>1999</b> , 90, 1001-11	106
560	M-channel gating and simulation. <b>1999</b> , 77, 701-13	29
559	Intracellular Ca(2+) dynamics and the stability of ventricular tachycardia. <b>1999</b> , 77, 2930-41	259
558	Action potentials that mimic fibrillation activate sodium current. <b>1999</b> , 31, 1673-84	1
557	Jellyfish green fluorescent protein: a tool for studying ion channels and second-messenger signaling in neurons. <b>1999</b> , 302, 213-25	4
556	Electrophysiological analysis of P2-receptor mechanisms in rat sympathetic neurones. <b>1999</b> , 120, 209-21	5
555	The role of calcium in M-current inhibition by muscarinic agonists in rat sympathetic neurons. <b>1999</b> , 10, 2395-400	7
554	Differential modulation of rod and cone calcium currents in tiger salamander retina by D2 dopamine receptors and cAMP. <b>2000</b> , 12, 3537-48	71
553	Inhibition of delayed rectifier K+ conductance in cultured rat cerebellar granule neurons by activation of calcium-permeable AMPA receptors. <b>2000</b> , 12, 935-44	9
552	Visual input induces long-term potentiation of developing retinotectal synapses. <b>2000</b> , 3, 708-15	109
551	Enhancement of presynaptic neuronal excitability by correlated presynaptic and postsynaptic spiking. <b>2000</b> , 3, 1018-26	106
550	Differential tetraethylammonium sensitivity of KCNQ1-4 potassium channels. <b>2000</b> , 129, 413-5	98
549	M-type K+ currents in rat cultured thoracolumbar sympathetic neurones and their role in uracil nucleotide-evoked noradrenaline release. <b>2000</b> , 129, 709-23	14
548	erratum: Benzodiazepine actions mediated by specific laminobutyric acidA receptor subtypes. <b>2000</b> , 404, 629-629	5

### (2000-2000)

547	Sr2RuO4. <b>2000</b> , 404, 629-629	22
546	OTRPC4, a nonselective cation channel that confers sensitivity to extracellular osmolarity. <b>2000</b> , 2, 695-702	797
545	Muscarinic inhibitory and stimulatory regulation of the L-type Ca2+ current is not altered in cardiac ventricular myocytes from mice lacking endothelial nitric oxide synthase. <b>2000</b> , 528 Pt 2, 279-89	37
544	P2Y purinoceptor activation mobilizes intracellular Ca2+ and induces a membrane current in rat intracardiac neurones. <b>2000</b> , 526 Pt 2, 287-98	22
543	The role of Ca2+ stores in the muscarinic inhibition of the K+ current IK(SO) in neonatal rat cerebellar granule cells. <b>2000</b> , 529 Pt 2, 321-31	34
542	Modulation of the synaptic Ca2+ current in salamander photoreceptors by polyunsaturated fatty acids and retinoids. <b>2000</b> , 529 Pt 2, 333-44	30
541	Patch-clamp characterisation of somatostatin-secreting -cells in intact mouse pancreatic islets. <b>2000</b> , 528, 497-507	124
540	Regulation of the sensitivity of acetylcholine receptors to nicotine in rat habenula neurons. <b>2000</b> , 529 Pt 3, 579-97	10
539	Effects of hypoxia and dithionite on catecholamine release from isolated type I cells of the rat carotid body. <b>2000</b> , 523 Pt 3, 719-29	24
538	Endothelin-1 and photoreleased diacylglycerol increase L-type Ca2+ current by activation of protein kinase C in rat ventricular myocytes. <b>2000</b> , 524 Pt 3, 807-20	6 <del>7</del>
537	Inhibition of KCNQ1-4 potassium channels expressed in mammalian cells via M1 muscarinic acetylcholine receptors. <b>2000</b> , 522 Pt 3, 349-55	142
536	Specialised pacemaking cells in the rabbit urethra. <b>2000</b> , 526 Pt 2, 359-66	203
535	Chemosensitivity of non-respiratory rat CNS neurons in tissue culture. <b>2000</b> , 860, 119-29	31
534	Selective vulnerability of pallidal neurons in the early phases of manganese intoxication. <b>2000</b> , 135, 544-51	44
533	Muscarinic Activation of BK Channels Induces Membrane Oscillations in Glioma Cells and Leads to Inhibition of Cell Migration. <b>2000</b> , 176, 31-40	42
532	Selective inhibition of glucose-stimulated beta-cell activity by an anion channel inhibitor. <b>2000</b> , 177, 169-75	23
531	Muscarinic activation of BK channels induces membrane oscillations in glioma cells and leads to inhibition of cell migration. <b>2000</b> , 176, 31-40	47
530	Ca2+ uptake by the sarcoplasmic reticulum decreases the amplitude of depolarization-dependent [Ca2+]i transients in rat gastric myocytes. <b>2000</b> , 440, 488-95	5

529	P2Y-purinoceptor mediated inhibition of L-type Ca2+ channels in rat pancreatic beta-cells. <b>2000</b> , 25, 279-89	18
528	Ca(2+)-activated Cl(-) current in sheep lymphatic smooth muscle. <b>2000</b> , 279, C1327-35	53
527	Vasopressin increases GABAergic inhibition of rat hypothalamic paraventricular nucleus neurons in vitro. <b>2000</b> , 83, 705-11	72
526	Brain-derived neurotrophic factor acutely inhibits AMPA-mediated currents in developing sensory relay neurons. <b>2000</b> , 20, 1904-11	85
525	Fetal rabbit pulmonary artery smooth muscle cell response to ryanodine is developmentally regulated. <b>2000</b> , 279, L751-7	24
524	Regulation of somatodendritic GABAA receptor channels in rat hippocampal neurons: evidence for a role of the small GTPase Rac1. <b>2000</b> , 20, 6743-51	50
523	Voltage-dependent calcium channels in ventricular cells of rainbow trout: effect of temperature changes in vitro. <b>2000</b> , 278, R1524-34	7
522	Focal extracellular potential: a means to monitor electrical activity in single cardiac myocytes. <b>2000</b> , 278, H1383-94	6
521	Presynaptic P2X receptors facilitate inhibitory GABAergic transmission between cultured rat spinal cord dorsal horn neurons. <b>2000</b> , 20, 2121-30	135
520	Selective presynaptic propagation of long-term potentiation in defined neural networks. <b>2000</b> , 20, 3233-43	62
519	Muscarinic inhibition of calcium current and M current in Galpha q-deficient mice. 2000, 20, 3973-9	69
518	Bradykinin, but not muscarinic, inhibition of M-current in rat sympathetic ganglion neurons involves phospholipase C-beta 4. <b>2000</b> , 20, RC105	26
517	Three levels of lateral inhibition: A space-time study of the retina of the tiger salamander. <b>2000</b> , 20, 1941-51	81
516	Tight coupling between electrical activity and exocytosis in mouse glucagon-secreting alpha-cells. <b>2000</b> , 49, 1500-10	179
515	Simultaneous activation of NADPH oxidase-related proton and electron currents in human neutrophils. <b>2000</b> , 97, 6885-9	119
514	Characterization of calcium signaling by purinergic receptor-channels expressed in excitable cells. <b>2000</b> , 58, 936-45	68
513	Cloning and functional expression of rat eag2, a new member of the ether-Ego-go family of potassium channels and comparison of its distribution with that of eag1. <b>2000</b> , 16, 59-70	68
512	Amplitude-dependent spike-broadening and enhanced Ca(2+) signaling in GnRH-secreting neurons. <b>2000</b> , 79, 1310-23	30

511	The phantom burster model for pancreatic beta-cells. <b>2000</b> , 79, 2880-92	88
510	Serotonin inhibits voltage-gated sodium current by cyclic adenosine monophosphate-dependent mechanism in bullfrog taste receptor cells. <b>2000</b> , 294, 151-4	11
509	Potentiation of neuronal L calcium channels by IGF-1 requires phosphorylation of the alpha1 subunit on a specific tyrosine residue. <b>2000</b> , 27, 121-31	81
508	Long-term potentiation of excitatory inputs to brain reward areas by nicotine. <b>2000</b> , 27, 349-57	626
507	Glucose-sensitive conductances in rat pancreatic beta-cells: contribution to electrical activity. <b>2000</b> , 1468, 311-9	17
506	Isolated cardiac cells for electropharmacological studies. <b>2000</b> , 42, 1-8	10
505	SPONTANEOUS CA 2+ ACTIVATED CL © URRENTS IN ISOLATED URETHRAL SMOOTH MUSCLE CELLS. Journal of Urology, <b>2001</b> , 166, 1161-1166	5 32
504	POTASSIUM OUTWARD CURRENTS IN FRESHLY DISSOCIATED RABBIT CORPUS CAVERNOSUM MYOCYTES. <i>Journal of Urology</i> , <b>2001</b> , 166, 1167-1177	5 17
503	Activation of beta-adrenoceptors opens calcium-activated potassium channels in astroglial cells. <b>2001</b> , 38, 269-76	18
502	Contribution of presynaptic calcium-activated potassium currents to transmitter release regulation in cultured Xenopus nerve-muscle synapses. <b>2001</b> , 102, 229-40	48
501	Acute actions of tumor necrosis factor-alpha on intracellular Ca(2+) and K(+) currents in human microglia. <b>2001</b> , 104, 1175-84	42
500	Melatonin generates an outward potassium current in rat suprachiasmatic nucleus neurones in vitro independent of their circadian rhythm. <b>2001</b> , 107, 99-108	73
499	Voltage-gated proton channels in microglia. <b>2001</b> , 64, 277-305	77
498	Modulation of ACh-induced currents in rat adrenal chromaffin cells by ligands of alpha2 adrenergic and imidazoline receptors. <b>2001</b> , 88, 151-9	12
497	Emergence of input specificity of ltp during development of retinotectal connections in vivo. <b>2001</b> , 31, 569-80	65
496	Acidosis-stimulated neurons of the medullary raphe are serotonergic. <b>2001</b> , 85, 2224-35	220
495	Activation of expressed KCNQ potassium currents and native neuronal M-type potassium currents by the anti-convulsant drug retigabine. <b>2001</b> , 21, 5535-45	337
494	Volume-activated chloride currents contribute to the resting conductance and invasive migration of human glioma cells. <b>2001</b> , 21, 7674-83	160

493	Long-lasting enhancement of glutamatergic synaptic transmission by acetylcholine contrasts with response adaptation after exposure to low-level nicotine. <b>2001</b> , 21, 5182-90	51
492	Oxygen-induced fetal pulmonary vasodilation is mediated by intracellular calcium activation of K(Ca) channels. <b>2001</b> , 281, L1379-85	30
491	BK channels in human glioma cells. <b>2001</b> , 85, 790-803	102
490	Morphological and membrane characteristics of spider and spindle cells isolated from rabbit sinus node. <b>2001</b> , 280, H1232-40	30
489	Role of IP(3) in modulation of spontaneous activity in pacemaker cells of rabbit urethra. <b>2001</b> , 280, C1349-56	89
488	Postsynaptic depolarization scales quantal amplitude in cortical pyramidal neurons. <b>2001</b> , 21, RC170	103
487	Temporal contrast adaptation in the input and output signals of salamander retinal ganglion cells. <b>2001</b> , 21, 287-99	200
486	GABA transaminase inhibition induces spontaneous and enhances depolarization-evoked GABA efflux via reversal of the GABA transporter. <b>2001</b> , 21, 2630-9	120
485	Paradoxical role of large-conductance calcium-activated K+ (BK) channels in controlling action potential-driven Ca2+ entry in anterior pituitary cells. <b>2001</b> , 21, 5902-15	96
484	Alternate use of distinct intersubunit contacts controls GABAA receptor assembly and stoichiometry. <b>2001</b> , 21, 9124-33	66
483	A standing Na+ conductance in rat carotid body type I cells. <b>2001</b> , 12, 1421-5	22
482	UTP evokes noradrenaline release from rat sympathetic neurons by activation of protein kinase C. <b>2001</b> , 77, 876-85	19
481	Nicotinic acetylcholine receptors containing alpha 7 subunits on rat cortical neurons do not undergo long-lasting inactivation even when up-regulated by chronic nicotine exposure. <b>2001</b> , 78, 1367-78	77
480	The cystic fibrosis transmembrane conductance regulator (CFTR) inhibits ENaC through an increase in the intracellular Cl- concentration. <b>2001</b> , 2, 1047-51	79
479	Perchlorate stimulates insulin secretion by shifting the gating of L-type Ca2+ currents in mouse pancreatic B-cells towards negative potentials. <b>2001</b> , 441, 587-95	9
478	Properties of single M-type KCNQ2/KCNQ3 potassium channels expressed in mammalian cells. <b>2001</b> , 534, 15-24	81
477	Contribution of L-type Ca(2+) channels to evoked transmitter release in cultured Xenopus nerve-muscle synapses. <b>2001</b> , 536, 21-33	17
476	Low threshold T-type calcium current in rat embryonic chromaffin cells. <b>2001</b> , 537, 35-44	36

# (2002-2001)

475	ACh-induced rebound stimulation of L-type Ca(2+) current in guinea-pig ventricular myocytes, mediated by Gbetagamma-dependent activation of adenylyl cyclase. <b>2001</b> , 536, 677-92		31
474	Functional consequences of the arrhythmogenic G306R KvLQT1 K+ channel mutant probed by viral gene transfer in cardiomyocytes. <b>2001</b> , 533, 127-33		15
473	Alternative splicing of KCNQ2 potassium channel transcripts contributes to the functional diversity of M-currents. <b>2001</b> , 531, 347-58		39
472	The functional role of a bicuculline-sensitive Ca2+-activated K+ current in rat medial preoptic neurons. <b>2001</b> , 532, 625-35		30
471	Responses of small- and large-field bipolar cells to GABA and glycine. <b>2001</b> , 893, 273-7		8
470	Cell-cell coupling in CO(2)/H(+)-excited neurons in brainstem slices. <b>2001</b> , 129, 83-100		58
469	beta -Amyloid peptide blocks the response of alpha 7-containing nicotinic receptors on hippocampal neurons. <b>2001</b> , 98, 4734-9		283
468	Distinct gene-specific mechanisms of arrhythmia revealed by cardiac gene transfer of two long QT disease genes, HERG and KCNE1. <b>2001</b> , 98, 5335-40		60
467	Modulation of Ca(2+) signaling by microtubule disruption in rat ventricular myocytes and its dependence on the ruptured patch-clamp configuration. <i>Circulation Research</i> , <b>2001</b> , 88, E32-7	15.7	28
466	Dependence of pituitary hormone secretion on the pattern of spontaneous voltage-gated calcium influx. Cell type-specific action potential secretion coupling. <b>2001</b> , 276, 33840-6		95
465	Differential transduction mechanisms underlying NaCl- and KCl-induced responses in mouse taste cells. <b>2001</b> , 26, 67-77		13
464	Adenosine enhances neuroexcitability by inhibiting a slow postspike afterhyperpolarization in rabbit vagal afferent neurons. <i>Circulation</i> , <b>2001</b> , 103, 1325-9	16.7	7
463	Inhibition of protein synthesis sequentially impairs distinct steps of stimulus-secretion coupling in pancreatic beta cells. <b>2001</b> , 142, 299-307		22
462	A new level of conotoxin diversity, a non-native disulfide bond connectivity in alpha-conotoxin AuIB reduces structural definition but increases biological activity. <b>2002</b> , 277, 48849-57		97
461	Does recombinant human interleukin-11 exert direct electrophysiologic effects on single human atrial myocytes?. <b>2002</b> , 39, 425-34		10
460	Perforated Patch-Clamp Technique. <b>2002</b> , 195-216		1
459	D2-like dopamine receptors promote interactions between calcium and chloride channels that diminish rod synaptic transfer in the salamander retina. <b>2002</b> , 19, 235-47		55
458	Apelin, the novel endogenous ligand of the orphan receptor APJ, regulates cardiac contractility. <i>Circulation Research</i> , <b>2002</b> , 91, 434-40	15.7	467

457	Ca(2+)-mobilizing endothelin-A receptors inhibit voltage-gated Ca(2+) influx through G(i/o) signaling pathway in pituitary lactotrophs. <b>2002</b> , 61, 1329-39	18
456	ACTH-induced Cl(-) current in bovine adrenocortical cells: correlation with cortisol secretion. <b>2002</b> , 282, E355-65	7
455	Ionic basis of the resting membrane potential in cultured rat sympathetic neurons. 2002, 13, 585-91	24
454	Tranexamic acid, a widely used antifibrinolytic agent, causes convulsions by a gamma-aminobutyric acid(A) receptor antagonistic effect. <b>2002</b> , 301, 168-73	168
453	Perturbation by geraniol of cell membrane permeability and signal transduction pathways in human colon cancer cells. <b>2002</b> , 303, 711-5	47
452	Sodium current in human jejunal circular smooth muscle cells. <b>2002</b> , 122, 178-87	66
451	Patch-Clamp Analysis. <b>2002</b> ,	15
45°	Inhibition of the potassium current IK(SO), in cerebellar granule cells, by the inhibitors of MEK1 activation, PD 98059 and U 0126. <b>2002</b> , 42, 221-8	6
449	Synaptic mechanisms underlie nicotine-induced excitability of brain reward areas. 2002, 33, 905-19	568
448	Glutamate-induced currents reveal three functionally distinct NMDA receptor populations in rat dorsal horn - effects of peripheral nerve lesion and inflammation. <b>2002</b> , 112, 861-8	37
447	Changes of the excitability of rat trigeminal root ganglion neurons evoked by alpha(2)-adrenoreceptors. <b>2002</b> , 115, 731-41	35
446	Effects of vasopressin on isolated rat adrenal chromaffin cells. <b>2002</b> , 106, 55-65	14
445	Sympathoexcitation by bradykinin involves Ca2+-independent protein kinase C. <b>2002</b> , 22, 5823-32	22
444	Interaction between metabotropic and NMDA subtypes of glutamate receptors in sprout suppression at young synapses. <b>2002</b> , 22, 226-38	14
443	Sigma receptors inhibit high-voltage-activated calcium channels in rat sympathetic and parasympathetic neurons. <b>2002</b> , 87, 2867-79	141
442	Characterization of norepinephrine-evoked inward currents in interstitial cells isolated from the rabbit urethra. <b>2002</b> , 283, C885-94	56
441	Contribution of the K(Ca) channel to membrane potential and O2 sensitivity is decreased in an ovine PPHN model. <b>2002</b> , 283, L1103-9	25
440	Graded response of K+ current, membrane potential, and [Ca2+]i to hypoxia in pulmonary arterial smooth muscle. <b>2002</b> , 283, L1143-50	40

# (2002-2002)

439	CO(2) and pH independently modulate L-type Ca(2+) current in rabbit carotid body glomus cells. <b>2002</b> , 88, 604-12	56	
438	A2 adenosine receptors inhibit calcium influx through L-type calcium channels in rod photoreceptors of the salamander retina. <b>2002</b> , 87, 351-60	59	
437	Modulation of recombinant and native neuronal SK channels by the neuroprotective drug riluzole. <b>2002</b> , 449, 47-54	90	
436	Evidence for endogenous agmatine in hypothalamo-neurohypophysial tract and its modulation on vasopressin release and Ca2+ channels. <b>2002</b> , 932, 25-36	21	
435	Allopregnanolone modulates spontaneous GABA release via presynaptic Cl- permeability in rat preoptic nerve terminals. <b>2002</b> , 958, 405-13	33	
434	Effects of cell swelling on intracellular calcium and membrane currents in bovine articular chondrocytes. <b>2002</b> , 86, 290-301	62	
433	Evidence that glucose-induced electrical activity in rat pancreatic beta-cells does not require KATP channel inhibition. <b>2002</b> , 185, 193-200	20	
432	Single-cell electroporation. <b>2002</b> , 443, 664-70	77	
431	Serotonin differentially modulates the electrical properties of different subsets of taste receptor cells in bullfrog. <b>2002</b> , 16, 629-40	12	
430	Extracellular potentials in low-density dissociated neuronal cultures. <i>Journal of Neuroscience Methods</i> , <b>2002</b> , 117, 13-21	39	
429	Inward rectifier K(+) current under physiological cytoplasmic conditions in guinea-pig cardiac ventricular cells. <b>2002</b> , 540, 831-41	22	
428	Role of intracellular and extracellular pH in the chemosensitive response of rat locus coeruleus neurones. <b>2002</b> , 541, 493-509	119	)
427	Dual and opposing roles of presynaptic Ca2+ influx for spontaneous GABA release from rat medial preoptic nerve terminals. <b>2002</b> , 542, 131-46	13	
426	Adenosine inhibition via A(1) receptor of N-type Ca(2+) current and peptide release from isolated neurohypophysial terminals of the rat. <b>2002</b> , 540, 791-802	24	
425	Comparative capacitative calcium entry mechanisms in canine pulmonary and renal arterial smooth muscle cells. <b>2002</b> , 543, 917-31	44	
424	A cold- and menthol-activated current in rat dorsal root ganglion neurones: properties and role in cold transduction. <b>2002</b> , 545, 595-614	178	3
423	Contribution of a calcium-activated non-specific conductance to NMDA receptor-mediated synaptic potentials in granule cells of the frog olfactory bulb. <b>2002</b> , 543, 819-34	39	
422	Moving visual stimuli rapidly induce direction sensitivity of developing tectal neurons. <b>2002</b> , 419, 470-5	126	6

421	Quercetin as a novel activator of L-type Ca(2+) channels in rat tail artery smooth muscle cells. <b>2002</b> , 135, 1819-27	62
420	Ca(2+) entry blocking and contractility promoting actions of norbormide in single rat caudal artery myocytes. <b>2002</b> , 137, 323-8	24
419	Selective block of sarcolemmal IKATP in human cardiomyocytes using HMR 1098. 2003, 17, 435-41	8
418	Synthesis, structure elucidation, in vitro biological activity, toxicity, and Caco-2 cell permeability of lipophilic analogues of alpha-conotoxin MII. <b>2003</b> , 46, 1266-72	63
417	L-type Ca2+ channels activation and contraction elicited by myricetin on vascular smooth muscles. <b>2003</b> , 368, 470-8	25
416	Calcium current in type I hair cells isolated from the semicircular canal crista ampullaris of the rat. <b>2003</b> , 994, 175-80	19
415	Dopamine modulates a voltage-gated calcium channel in rat olfactory receptor neurons. 2003, 968, 248-55	22
414	Chelerythrine and bisindolylmaleimide I prolong cardiac action potentials by protein kinase C-independent mechanism. <b>2003</b> , 466, 41-51	9
413	mu-Opioid receptor modulates peptide release from rat neurohypophysial terminals by inhibiting Ca(2+) influx. <b>2003</b> , 15, 888-94	20
412	Distribution, subcellular localization and ontogeny of ASIC1 in the mammalian central nervous system. <b>2003</b> , 546, 77-87	158
411	Dehydroepiandrosterone potentiates native ionotropic ATP receptors containing the P2X2 subunit	36
	in rat sensory neurones. <b>2003</b> , 552, 59-71	
410	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of guinea-pig mesenteric arteries. <b>2003</b> , 552, 119-33	40
410 409	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of	
	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of guinea-pig mesenteric arteries. <b>2003</b> , 552, 119-33  Role of the hyperpolarization-activated cation current (Ih) in pacemaker activity in area postrema	40
409	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of guinea-pig mesenteric arteries. 2003, 552, 119-33  Role of the hyperpolarization-activated cation current (Ih) in pacemaker activity in area postrema neurons of rat brain slices. 2003, 552, 135-48  Convergent control of synaptic GABA release from rat dorsal horn neurones by adenosine and	40
409 408	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of guinea-pig mesenteric arteries. 2003, 552, 119-33  Role of the hyperpolarization-activated cation current (Ih) in pacemaker activity in area postrema neurons of rat brain slices. 2003, 552, 135-48  Convergent control of synaptic GABA release from rat dorsal horn neurones by adenosine and GABA autoreceptors. 2003, 551, 479-89  Activation of M1 muscarinic receptors triggers transmitter release from rat sympathetic neurons	40 44 17
409 408 407	Non-contractile cells with thin processes resembling interstitial cells of Cajal found in the wall of guinea-pig mesenteric arteries. 2003, 552, 119-33  Role of the hyperpolarization-activated cation current (Ih) in pacemaker activity in area postrema neurons of rat brain slices. 2003, 552, 135-48  Convergent control of synaptic GABA release from rat dorsal horn neurones by adenosine and GABA autoreceptors. 2003, 551, 479-89  Activation of M1 muscarinic receptors triggers transmitter release from rat sympathetic neurons through an inhibition of M-type K+ channels. 2003, 553, 789-802  Cloning, tissue distribution and functional characterization of the chicken P2X1 receptor. 2003,	40 44 17 32

# (2003-2003)

403	Fulfenamic acid sensitive, Ca(2+)-dependent inward current induced by nicotinic acetylcholine receptors in dopamine neurons. <b>2003</b> , 46, 463-73	17
402	Ca2+-dependent inward current induced by nicotinic receptor activation depends on Ca2+/calmodulin-CaMKII pathway in dopamine neurons. <b>2003</b> , 47, 225-32	9
401	Noncanonical signaling by ionotropic kainate receptors. <b>2003</b> , 39, 543-53	114
400	Regulation of a TRPM7-like current in rat brain microglia. <b>2003</b> , 278, 42867-76	111
399	Activation of glutamate transporters in rods inhibits presynaptic calcium currents. 2003, 20, 557-66	19
398	Familial hypertrophic cardiomyopathy-linked mutant troponin T causes stress-induced ventricular tachycardia and Ca2+-dependent action potential remodeling. <i>Circulation Research</i> , <b>2003</b> , 92, 428-36	130
397	Cold induces shifts of voltage dependence in mutant SCN4A, causing hypokalemic periodic paralysis. <b>2003</b> , 61, 914-8	36
396	Calmodulin mediates Ca2+-dependent modulation of M-type K+ channels. <b>2003</b> , 122, 17-31	184
395	Advantages and disadvantages of patch clamping versus using BLM. 2003, 7, 699-721	2
394	Vigabatrin induces tonic inhibition via GABA transporter reversal without increasing vesicular GABA release. <b>2003</b> , 89, 2021-34	132
393	Electrophysiological analysis of ATP-sensitive potassium channels in mammalian cells and Xenopus oocytes. <b>2003</b> , Chapter 11, Unit11.6	
392	A collagen-based scaffold for a tissue engineered human cornea: physical and physiological properties. <b>2003</b> , 26, 764-73	96
391	Opposite action of beta1- and beta2-adrenergic receptors on Ca(V)1 L-channel current in rat adrenal chromaffin cells. <b>2003</b> , 23, 73-83	56
390	Stoichiometry of expressed KCNQ2/KCNQ3 potassium channels and subunit composition of native ganglionic M channels deduced from block by tetraethylammonium. <b>2003</b> , 23, 5012-9	99
389	Endogenous adenosine reduces glutamatergic output from rods through activation of A2-like adenosine receptors. <b>2003</b> , 90, 165-74	38
388	Presynaptic calcium stores modulate afferent release in vestibular hair cells. <b>2003</b> , 23, 6894-903	54
387	Activation of Ca2+-activated Cl- current by depolarizing steps in rabbit urethral interstitial cells. <b>2003</b> , 285, C327-33	18
386	KCNQ/M currents in sensory neurons: significance for pain therapy. <b>2003</b> , 23, 7227-36	295

385	Muscarine-induced increase in frequency of spontaneous EPSCs in Purkinje cells in the vestibulo-cerebellum of the rat. <b>2003</b> , 23, 6200-8	24
384	Multiple targets of chemosensitive signaling in locus coeruleus neurons: role of K+ and Ca2+ channels. <b>2003</b> , 284, C145-55	63
383	Opposite effects of redox status on membrane potential, cytosolic calcium, and tone in pulmonary arteries and ductus arteriosus. <b>2004</b> , 286, L15-22	41
382	A voltage-gated K(+) current in renal inner medullary collecting duct cells. <b>2004</b> , 286, C965-74	29
381	Identification of a Kv3.4 channel in corneal epithelial cells. <b>2004</b> , 45, 1796-803	19
380	The kinetic profile of intracellular calcium predicts long-term potentiation and long-term depression. <b>2004</b> , 24, 9847-61	86
379	Glucose sensitivity and metabolism-secretion coupling studied during two-year continuous culture in INS-1E insulinoma cells. <b>2004</b> , 145, 667-78	474
378	Astrocyte-mediated activation of neuronal kainate receptors. <b>2004</b> , 101, 3172-7	173
377	VPAC receptor modulation of neuroexcitability in intracardiac neurons: dependence on intracellular calcium mobilization and synergistic enhancement by PAC1 receptor activation. <b>2004</b> , 279, 40609-21	35
376	The first gamma-carboxyglutamic acid-containing contryphan. A selective L-type calcium ion channel blocker isolated from the venom of Conus marmoreus. <b>2004</b> , 279, 32453-63	59
375	Phosphatidylinositol [correction] 4,5-bisphosphate signals underlie receptor-specific Gq/11-mediated modulation of N-type Ca2+ channels. <b>2004</b> , 24, 10980-92	180
374	A rapidly activating delayed rectifier K+ current regulates pacemaker activity in adult mouse sinoatrial node cells. <b>2004</b> , 286, H1757-66	63
373	Newly developed blockers of the M-current do not reduce spike frequency adaptation in cultured mouse sympathetic neurons. <b>2004</b> , 19, 2693-702	42
372	Inhibition of BK channels contributes to the second phase of the response to TRH in clonal rat anterior pituitary cells. <b>2004</b> , 180, 347-57	8
371	Apoptosis induced by staurosporine in ECV304 cells requires cell shrinkage and upregulation of Clconductance. <b>2004</b> , 11, 655-62	43
370	Modulation of the excitability of cholinergic basal forebrain neurones by KATP channels. <b>2004</b> , 554, 353-70	39
369	Modulation of spontaneous Ca2+-activated Cl- currents in the rabbit corpus cavernosum by the nitric oxide-cGMP pathway. <b>2004</b> , 556, 495-506	38
368	A transiently expressed SK current sustains and modulates action potential activity in immature mouse inner hair cells. <b>2004</b> , 560, 691-708	102

### (2005-2004)

367	K+-induced dilation of hamster cremasteric arterioles involves both the Na+/K+-ATPase and inward-rectifier K+ channels. <b>2004</b> , 11, 279-93	80
366	Tolbutamide potentiates the volume-regulated anion channel current in rat pancreatic beta cells. <b>2004</b> , 47, 1990-7	15
365	Volume-sensitive Cl- current in bovine adrenocortical cells: comparison with the ACTH-induced Cl-current. <b>2004</b> , 199, 99-111	2
364	Electrophysiological and molecular evidence of L-(Cav1), N- (Cav2.2), and R- (Cav2.3) type Ca2+ channels in rat cortical astrocytes. <b>2004</b> , 45, 354-63	76
363	Beta-escin diminishes voltage-gated calcium current rundown in perforated patch-clamp recordings from rat primary afferent neurons. <i>Journal of Neuroscience Methods</i> , <b>2004</b> , 139, 61-8	28
362	Bicuculline free base blocks voltage-activated K+ currents in rat medial preoptic neurons. <b>2004</b> , 46, 285-95	9
361	Bidirectional modification of presynaptic neuronal excitability accompanying spike timing-dependent synaptic plasticity. <b>2004</b> , 41, 257-68	66
360	Transmembrane dye labeling and immunohistochemical staining of electrophysiologically characterized single neurons. <i>Journal of Neuroscience Methods</i> , <b>2004</b> , 137, 235-40	2
359	Paradoxical effect of dofetilide on action potential duration and calcium transient amplitude in newborn rabbit ventricular myocytes. <b>2005</b> , 45, 165-74	4
358	Micro-opioid receptor preferentially inhibits oxytocin release from neurohypophysial terminals by blocking R-type Ca2+ channels. <b>2005</b> , 17, 583-90	29
357	Role of basal extracellular Ca2+ entry during 5-HT-induced vasoconstriction of canine pulmonary arteries. <b>2005</b> , 144, 252-64	28
356	Selective deletion of the alpha5 subunit differentially affects somatic-dendritic versus axonally targeted nicotinic ACh receptors in mouse. <b>2005</b> , 563, 119-37	29
355	Glucose-induced electrical activity in rat pancreatic beta-cells: dependence on intracellular chloride concentration. <b>2005</b> , 568, 137-44	48
354	Interaction between allopregnanolone and pregnenolone sulfate in modulating GABA-mediated synaptic currents in neurons from the rat medial preoptic nucleus. <b>2005</b> , 1033, 58-67	27
353	Modulation of glutamate-induced outward current by prostaglandin E(2) in rat dissociated preoptic neurons. <b>2005</b> , 1037, 180-6	9
352	Fast neurotransmission in the rat medial preoptic nucleus. <b>2005</b> , 1040, 157-68	12
351	Dorsal root ganglion neurones in culture: a model system for identifying novel analgesic targets?. <b>2005</b> , 51, 201-8	30
350	Myocytes from congenital myotonic dystrophy display abnormal Na+ channel activities. <b>2005</b> , 31, 506-9	8

349 CA2+ Dynamics at Nerve-Terminal Active Zones Monitored by Endogenous KCa Channels. **2005**, 121-132

348	Chloride channel activity in human lung fibroblasts and myofibroblasts. <b>2005</b> , 288, L1110-6		30
347	Voltage-Clamp and Patch-Clamp Techniques. <b>2005</b> , 272-323		1
346	Biophysical properties of voltage-gated Na+ channels in frog parathyroid cells and their modulation by cannabinoids. <i>Journal of Experimental Biology</i> , <b>2005</b> , 208, 4747-56	3	11
345	Actions of antipsychotic drugs on pancreatic beta-cell function: contrasting effects of clozapine and haloperidol. <b>2005</b> , 19, 597-601		23
344	Cholinergic suppression of KCNQ channel currents enhances excitability of striatal medium spiny neurons. <b>2005</b> , 25, 7449-58		169
343	Endogenous hydrogen peroxide regulates the excitability of midbrain dopamine neurons via ATP-sensitive potassium channels. <b>2005</b> , 25, 4222-31		126
342	Relationship between membrane phosphatidylinositol-4,5-bisphosphate and receptor-mediated inhibition of native neuronal M channels. <b>2005</b> , 25, 3400-13		136
341	High glucose regulates the activity of cardiac sarcolemmal ATP-sensitive K+ channels via 1,3-bisphosphoglycerate: a novel link between cardiac membrane excitability and glucose metabolism. <b>2005</b> , 54, 383-93		37
340	Charge screening by internal pH and polyvalent cations as a mechanism for activation, inhibition, and rundown of TRPM7/MIC channels. <b>2005</b> , 126, 499-514		102
339	Action potential duration restitution and alternans in rabbit ventricular myocytes: the key role of intracellular calcium cycling. <i>Circulation Research</i> , <b>2005</b> , 96, 459-66	15.7	193
338	Intrinsic ionic conductances mediate the spontaneous electrical activity of cultured mouse myotubes. <b>2005</b> , 1720, 117-24		14
337	Molecular correlates of repolarization alternans in cardiac myocytes. <b>2005</b> , 39, 419-28		115
336	The interpretation of current-clamp recordings in the cell-attached patch-clamp configuration. <b>2005</b> , 88, 739-50		35
335	Simultaneous release of glutamate and acetylcholine from single magnocellular "cholinergic" basal forebrain neurons. <b>2006</b> , 26, 1588-95		60
334	Low-threshold exocytosis induced by cAMP-recruited CaV3.2 (alpha1H) channels in rat chromaffin cells. <b>2006</b> , 90, 1830-41		45
333	Rescue of DeltaF508-CFTR trafficking and gating in human cystic fibrosis airway primary cultures by small molecules. <b>2006</b> , 290, L1117-30		387
332	High glucose protects single beating adult cardiomyocytes against hypoxia. <b>2006</b> , 341, 57-66		15

# (2006-2006)

331	Neurosteroid modulation of allopregnanolone and GABA effect on the GABA-A receptor. <b>2006</b> , 143, 73-81	32
330	Postsynaptic mechanisms are essential for forskolin-induced potentiation of synaptic transmission. <b>2006</b> , 95, 2570-9	24
329	Reduced sinoatrial cAMP content plays a role in postnatal heart rate slowing in the rabbit. <b>2006</b> , 33, 757-62	9
328	A novel type of cold-sensitive neuron in rat dorsal root ganglia with rapid adaptation to cooling stimuli. <b>2006</b> , 24, 691-8	33
327	Phospholipid growth factors and corneal wound healing. <b>2000</b> , 905, 142-58	28
326	Visual stimuli-induced LTD of GABAergic synapses mediated by presynaptic NMDA receptors. <b>2006</b> , 9, 372-80	89
325	Activation of the cGMP/PKG pathway inhibits electrical activity in rabbit urethral interstitial cells of Cajal by reducing the spatial spread of Ca2+ waves. <b>2006</b> , 574, 167-81	37
324	Contribution of reverse Na+-Ca2+ exchange to spontaneous activity in interstitial cells of Cajal in the rabbit urethra. <b>2006</b> , 574, 651-61	31
323	The inotropic effect of cardioactive glycosides in ventricular myocytes requires Na+-Ca2+ exchanger function. <b>2006</b> , 575, 845-54	63
322	Angiotensin II regulates neuronal excitability via phosphatidylinositol 4,5-bisphosphate-dependent modulation of Kv7 (M-type) K+ channels. <b>2006</b> , 575, 49-67	73
321	RNA interference of Xenopus NMDAR NR1 in vitro and in vivo. <i>Journal of Neuroscience Methods</i> , <b>2006</b> , 152, 65-73	11
320	Cell renewing in neuroblastoma: electrophysiological and immunocytochemical characterization of stem cells and derivatives. <b>2006</b> , 24, 443-53	48
319	Blockade of nicotinic receptors of bovine adrenal chromaffin cells by nanomolar concentrations of atropine. <b>2006</b> , 535, 13-24	15
318	Depolarization preconditioning produces cytoprotection against veratridine-induced chromaffin cell death. <b>2006</b> , 553, 28-38	38
317	Short-term plasticity in excitatory synapses of the rat medial preoptic nucleus. <b>2006</b> , 1110, 128-35	6
316	The electro-oculogram. <b>2006</b> , 25, 207-48	50
315	The transmembrane sodium gradient influences ambient GABA concentration by altering the equilibrium of GABA transporters. <b>2006</b> , 96, 2425-36	40
314	Insulin-like growth factor-1 modulation of CaV1.3 calcium channels depends on Ca2+ release from IP3-sensitive stores and calcium/calmodulin kinase II phosphorylation of the alpha1 subunit EF hand. <b>2006</b> , 26, 6259-68	51

313	M-like K+ currents in type I hair cells and calyx afferent endings of the developing rat utricle. <b>2006</b> , 26, 10253-69	93
312	GABA: a pioneer transmitter that excites immature neurons and generates primitive oscillations.  Physiological Reviews, <b>2007</b> , 87, 1215-84  47.9	943
311	Cardiac effects of 3-iodothyronamine: a new aminergic system modulating cardiac function. <b>2007</b> , 21, 1597-608	109
310	Reversed Na+/Ca2+ exchange contributes to Ca2+ influx and respiratory burst in microglia. <b>2007</b> , 1, 366-76	31
309	Inositol triphosphate-mediated Ca2+ signals direct purinergic P2Y receptor regulation of neuronal ion channels. <b>2007</b> , 27, 8914-26	58
308	Activation of TRPM7 channels by phospholipase C-coupled receptor agonists. <b>2007</b> , 282, 232-9	91
307	Changes in glucose do not alter baseline firing rate or chemosensitivity of serotonin neurons cultured from the medullary raph <b>2007</b> , 157, 235-41	1
306	Ketones inhibit mitochondrial production of reactive oxygen species production following glutamate excitotoxicity by increasing NADH oxidation. <b>2007</b> , 145, 256-64	296
305	Kv2.1 ablation alters glucose-induced islet electrical activity, enhancing insulin secretion. <b>2007</b> , 6, 229-35	133
304	Biological Membrane Ion Channels. <b>2007</b> ,	36
304 303	Biological Membrane Ion Channels. 2007,  Patch-Clamp Analysis. Neuromethods, 2007,  0.4	36 16
303	Patch-Clamp Analysis. Neuromethods, 2007, 0.4	16
303	Patch-Clamp Analysis. Neuromethods, 2007,  Neutrophil methods and protocols. Preface. 2007, 412, vii-viii  ATP modulates cell proliferation and elicits two different electrophysiological responses in human	16
303 302 301	Patch-Clamp Analysis. Neuromethods, 2007,  Neutrophil methods and protocols. Preface. 2007, 412, vii-viii  ATP modulates cell proliferation and elicits two different electrophysiological responses in human mesenchymal stem cells. 2007, 25, 1840-9	16 21 73
303 302 301 300	Patch-Clamp Analysis. Neuromethods, 2007,  Neutrophil methods and protocols. Preface. 2007, 412, vii-viii  ATP modulates cell proliferation and elicits two different electrophysiological responses in human mesenchymal stem cells. 2007, 25, 1840-9  Functional properties of neurons derived from in vitro reprogrammed postnatal astroglia. 2007, 27, 8654-64	16 21 73 281
303 302 301 300 299	Patch-Clamp Analysis. Neuromethods, 2007,  Neutrophil methods and protocols. Preface. 2007, 412, vii-viii  ATP modulates cell proliferation and elicits two different electrophysiological responses in human mesenchymal stem cells. 2007, 25, 1840-9  Functional properties of neurons derived from in vitro reprogrammed postnatal astroglia. 2007, 27, 8654-64  Electrophysiological recordings from neonatal neocortical brain slices. 2007, Chapter 6, Unit 6.23  Development of cholinergic modulation and graded persistent activity in layer v of medial	16 21 73 281

295	Long-term depression in identified stellate neurons of juvenile rat entorhinal cortex. <b>2007</b> , 97, 727-37	45
294	Role of Kir4.1 channels in growth control of glia. <b>2007</b> , 55, 1668-79	81
293	Adenosine inhibits voltage-dependent Ca2+ influx in cone photoreceptor terminals of the tiger salamander retina. <b>2007</b> , 85, 1126-37	22
292	Chaotic electrical activity of living I-cells in the mouse pancreatic islet. <b>2007</b> , 226, 107-116	6
291	Mechanisms of protease-activated receptor 2-evoked hyperexcitability of nociceptive neurons innervating the mouse colon. <b>2007</b> , 580, 977-91	50
290	Excitatory interneurons dominate sensory processing in the spinal substantia gelatinosa of rat. <b>2007</b> , 581, 241-54	120
289	Genetic deletion of SK2 channels in mouse inner hair cells prevents the developmental linearization in the Ca2+ dependence of exocytosis. <b>2007</b> , 583, 631-46	42
288	PKC-dependent autoregulation of membrane kainate receptors. <i>EMBO Journal</i> , <b>2007</b> , 26, 4359-67 13	41
287	Directing neurotransmitter identity of neurones derived from expanded adult neural stem cells. <b>2007</b> , 25, 2581-90	68
286	Neuroprotectant minocycline depresses glutamatergic neurotransmission and Ca(2+) signalling in hippocampal neurons. <b>2007</b> , 26, 2481-95	81
285	ATP-sensitive potassium currents reduce the PGE2-mediated enhancement of excitability in adult rat sensory neurons. <b>2007</b> , 1145, 28-40	28
284	Beta-cell PDE3B regulates Ca2+-stimulated exocytosis of insulin. <b>2007</b> , 19, 1505-13	22
283	Prostaglandin E2 potentiates the excitability of small diameter trigeminal root ganglion neurons projecting onto the superficial layer of the cervical dorsal horn in rats. <b>2007</b> , 176, 227-36	16
282	Modulation of spontaneous and stimulation-evoked transmitter release from rat sympathetic neurons by the cognition enhancer linopirdine: insights into its mechanisms of action. <b>1999</b> , 72, 2083-91	20
281	Bone marrow-derived mesenchymal stromal cells express cardiac-specific markers, retain the stromal phenotype, and do not become functional cardiomyocytes in vitro. <b>2008</b> , 26, 2884-92	176
280	Differential variations in Ca2+ entry, cytosolic Ca2+ and membrane capacitance upon steady or action potential depolarizing stimulation of bovine chromaffin cells. <b>2008</b> , 194, 97-109	17
279	Low expression of Kv7/M channels facilitates intrinsic and network bursting in the developing rat hippocampus. <b>2008</b> , 586, 5437-53	56
278	Role of mitochondria in modulation of spontaneous Ca2+ waves in freshly dispersed interstitial cells of Cajal from the rabbit urethra. <b>2008</b> , 586, 4631-42	24

277	A rabbit ventricular action potential model replicating cardiac dynamics at rapid heart rates. <b>2008</b> , 94, 392-410	313
276	Modifying L-type calcium current kinetics: consequences for cardiac excitation and arrhythmia dynamics. <b>2008</b> , 94, 411-23	72
275	Intracellular Ca alternans: coordinated regulation by sarcoplasmic reticulum release, uptake, and leak. <b>2008</b> , 95, 3100-10	71
274	Determinants within the turret and pore-loop domains of KCNQ3 K+ channels governing functional activity. <b>2008</b> , 95, 5121-37	39
273	Whole-cell recording using the perforated patch clamp technique. 2008, 491, 141-9	26
272	Olea europaea leaf extract exerts L-type Ca(2+) channel antagonistic effects. <b>2008</b> , 120, 233-40	45
271	B-type natriuretic peptide (BNP) attenuates the L-type calcium current and regulates ventricular myocyte function. <b>2008</b> , 151, 95-105	16
270	Low-noise recording of single-vesicle capacitance steps in cell-attached patches. <b>2008</b> , 440, 283-95	3
269	RGS4 regulates parasympathetic signaling and heart rate control in the sinoatrial node. <i>Circulation Research</i> , <b>2008</b> , 103, 527-35	7 97
268	Integrating multi-unit electrophysiology and plastic culture dishes for network neuroscience. <b>2008</b> , 8, 1896-905	28
267	sigma-1 receptor modulation of acid-sensing ion channel a (ASIC1a) and ASIC1a-induced Ca2+ influx in rat cortical neurons. <b>2008</b> , 327, 491-502	83
266	Neonatal rat cardiomyocytes show characteristics of nonhomotypic gap junction channels. <b>2008</b> , 15, 13-25	6
265	Patch clamp technique: Review of the current state of the art and potential contributions from nanoengineering. <b>2008</b> , 222, 1-11	18
264	Glucose homeostasis, insulin secretion, and islet phospholipids in mice that overexpress iPLA2beta in pancreatic beta-cells and in iPLA2beta-null mice. <b>2008</b> , 294, E217-29	50
263	Synaptic metaplasticity through NMDA receptor lateral diffusion. <b>2008</b> , 28, 3060-70	33
262	PVHL is a regulator of glucose metabolism and insulin secretion in pancreatic beta cells. <b>2008</b> , 22, 3135-46	74
261	Transmission efficacy and plasticity in glutamatergic synapses formed by excitatory interneurons of the substantia gelatinosa in the rat spinal cord. <i>PLoS ONE</i> , <b>2009</b> , 4, e8047	′ 19
260	Enhanced Stat3 activation in POMC neurons provokes negative feedback inhibition of leptin and insulin signaling in obesity. <b>2009</b> , 29, 11582-93	129

### (2010-2009)

259	The Ca2+ release-activated Ca2+ current (I(CRAC)) mediates store-operated Ca2+ entry in rat microglia. <b>2009</b> , 3, 129-39	83
258	Enhanced calcium buffering in F344 rat cholinergic basal forebrain neurons is associated with age-related cognitive impairment. <b>2009</b> , 102, 2194-207	25
257	Human cardiac gap-junction coupling: effects of antiarrhythmic peptide AAP10. 2009, 83, 405-15	33
256	Nicotinic receptors concentrated in the subsynaptic membrane do not contribute significantly to synaptic currents at an embryonic synapse in the chicken ciliary ganglion. <b>2009</b> , 29, 3749-59	14
255	Affinity for phosphatidylinositol 4,5-bisphosphate determines muscarinic agonist sensitivity of Kv7 K+ channels. <b>2009</b> , 134, 437-48	52
254	Development of chemosensitivity in neurons from the nucleus tractus solitarii (NTS) of neonatal rats. <b>2009</b> , 166, 4-12	31
253	Spontaneous Ca2+ waves in rabbit corpus cavernosum: modulation by nitric oxide and cGMP. <b>2009</b> , 6, 958-966	13
252	The effect of the neuroactive steroid 5beta-pregnane-3beta, 20(R)-diol on the time course of GABA evoked currents is different to that of pregnenolone sulphate. <b>2009</b> , 605, 78-86	5
251	Mechanical dissociation of retinal neurons with vibration. <b>2009</b> , 92, 43-52	1
250	A riluzole- and valproate-sensitive persistent sodium current contributes to the resting membrane potential and increases the excitability of sympathetic neurones. <b>2009</b> , 458, 589-99	24
249	Inhibition of N and PQ calcium channels by calcium entry through L channels in chromaffin cells. <b>2009</b> , 458, 795-807	11
248	Neural agrin changes the electrical properties of developing human skeletal muscle cells. <b>2009</b> , 29, 123-31	15
247	Citrobacter rodentium colitis evokes post-infectious hyperexcitability of mouse nociceptive colonic dorsal root ganglion neurons. <b>2009</b> , 587, 3505-21	37
246	Organ culture mimics the effects of hypoxia on membrane potential, K(+) channels and vessel tone in pulmonary artery. <b>2009</b> , 158, 848-61	14
245	Gating charges per channel of Ca(V)2.2 channels are modified by G protein activation in rat sympathetic neurons. <b>2009</b> , 486, 51-7	7
244	Potassium Channels. <b>2009</b> ,	2
243	Electrophysiological Measurements of Membrane Proteins. 2009, 1-35	
242	Regulation of gap junction coupling in bovine ciliary epithelium. <b>2010</b> , 298, C798-806	13

241	Permissive role of sphingosine on calcium-dependent endocytosis in chromaffin cells. <b>2010</b> , 460, 901-14	10
240	Modulatory action of acetylcholine on the Na+-dependent action potentials in Kenyon cells isolated from the mushroom body of the cricket brain. <b>2010</b> , 56, 1746-54	12
239	The action potential and comparative pharmacology of stem cell-derived human cardiomyocytes. <b>2010</b> , 61, 277-86	138
238	PKG is involved in testosterone-induced vasorelaxation of human umbilical artery. <b>2010</b> , 640, 94-101	25
237	ASIC1a channels are activated by endogenous protons during ischemia and contribute to synergistic potentiation of intracellular Ca(2+) overload during ischemia and acidosis. <i>Cell Calcium</i> , 4 <b>2010</b> , 48, 70-82	35
236	Differential modulation of N-type calcium channels by micro-opioid receptors in oxytocinergic versus vasopressinergic neurohypophysial terminals. <b>2010</b> , 225, 276-88	10
235	Single-cell qPCR on dispersed primary pituitary cells -an optimized protocol. <b>2010</b> , 11, 82	14
234	Calcium-activated and voltage-gated potassium channels of the pancreatic islet impart distinct and complementary roles during secretagogue induced electrical responses. <b>2010</b> , 588, 3525-37	56
233	Biochemical and functional properties of distinct nicotinic acetylcholine receptors in the superior cervical ganglion of mice with targeted deletions of nAChR subunit genes. <b>2010</b> , 31, 978-93	47
232	Differential control of spontaneous and evoked GABA release by presynaptic L-type Ca(2+) channels in the rat medial preoptic nucleus. <b>2010</b> , 104, 200-9	4
231	Ca2+/calmodulin disrupts AKAP79/150 interactions with KCNQ (M-Type) K+ channels. 2010, 30, 2311-23	55
230	Uniformity detector retinal ganglion cells fire complex spikes and receive only light-evoked inhibition. <b>2010</b> , 107, 5628-33	32
229	Ionic currents in intimal cultured synoviocytes from the rabbit. <b>2010</b> , 299, C1180-94	11
228	Electrophysiological and morphological features underlying neurotransmission efficacy at the splanchnic nerve-chromaffin cell synapse of bovine adrenal medulla. <b>2010</b> , 298, C397-405	18
227	Role of epoxyeicosatrienoic acids as autocrine metabolites in glutamate-mediated K+ signaling in perivascular astrocytes. <b>2010</b> , 299, C1068-78	44
226	Automaticity and conduction properties of bio-artificial pacemakers assessed in an in vitro monolayer model of neonatal rat ventricular myocytes. <b>2010</b> , 12, 1178-87	7
225	Lysophosphatidic acid-activated Cl- current activity in human systemic sclerosis skin fibroblasts. <b>2010</b> , 49, 2290-7	18
224	Spontaneous ryanodine-receptor-dependent Ca2+-activated K+ currents and hyperpolarizations in rat medial preoptic neurons. <b>2010</b> , 103, 2900-11	10

## (2011-2010)

223	Novel excitatory effects of adenosine triphosphate on contractile and pacemaker activity in rabbit urethral smooth muscle. <i>Journal of Urology</i> , <b>2010</b> , 183, 801-11	5	12
222	Directing astroglia from the cerebral cortex into subtype specific functional neurons. <b>2010</b> , 8, e1000373		337
221	Regional electroporation of single cardiac myocytes in a focused electric field. <b>2010</b> , 82, 585-92		9
220	Monitoring transient Ca2+ dynamics with large-conductance Ca2+-dependent K+ channels at active zones in frog saccular hair cells. <b>2010</b> , 165, 715-22		1
219	Gramicidin Perforated Patch. <b>2010</b> , 141-147		1
218	P2X receptor currents in smooth muscle cells contribute to nerve mediated contractions of rabbit urethral smooth muscle. <i>Journal of Urology</i> , <b>2011</b> , 186, 745-52	5	12
217	Mechanism of estradiol-induced block of voltage-gated K+ currents in rat medial preoptic neurons. <i>PLoS ONE</i> , <b>2011</b> , 6, e20213	7	19
216	Long-term patch recordings from adult spinal neurons herald new era of opportunity. <b>2011</b> , 106, 2794-5		
215	Evidence for altered circular smooth muscle cell function in lower esophageal sphincter of W/Wv mutant mice. <b>2011</b> , 301, G1059-65		6
214	Presynaptic muscarinic receptor subtypes involved in the enhancement of spontaneous GABAergic postsynaptic currents in hippocampal neurons. <b>2011</b> , 33, 69-81		15
213	Ca(2+)-dependent enhancement of release by subthreshold somatic depolarization. <b>2011</b> , 14, 62-8		85
212	Contractile and electrophysiological properties of pulmonary artery smooth muscle are not altered in TASK-1 knockout mice. <b>2011</b> , 589, 3231-46		30
211	Capacitance increases of dissociated tilapia prolactin cells in response to hyposmotic and depolarizing stimuli. <b>2011</b> , 173, 38-47		1
210	Direct inhibition of the transient voltage-gated K(+) currents mediates the excitability of tetrodotoxin-resistant neonatal rat nodose ganglion neurons after ouabain application. <b>2011</b> , 659, 130-8		3
209	Responses of pigeon vestibular hair cells to cholinergic agonists and antagonists. <b>2011</b> , 1373, 25-38		14
208	Whole-Cell Electrical Activity Under Direct Mechanical Stimulus by AFM Cantilever Using Planar Patch Clamp Chip Approach. <b>2011</b> , 4, 270-280		11
207	412 nicotinic acetylcholine receptors in the early postnatal mouse superior cervical ganglion. <b>2011</b> , 71, 390-9		9
206	Activation of TREK currents by the neuroprotective agent riluzole in mouse sympathetic neurons. <b>2011</b> , 31, 1375-85		38

205	Iron overload decreases CaV1.3-dependent L-type Ca2+ currents leading to bradycardia, altered electrical conduction, and atrial fibrillation. <b>2011</b> , 4, 733-42	44
204	Cl(-) concentration changes and desensitization of GABA(A) and glycine receptors. <b>2011</b> , 138, 609-26	32
203	AKAP79/150 signal complexes in G-protein modulation of neuronal ion channels. <b>2011</b> , 31, 7199-211	43
202	Activation of KCNQ2/3 potassium channels by novel pyrazolo[1,5-a]pyrimidin-7(4H)-one derivatives. <b>2011</b> , 87, 297-310	14
201	Afobazole modulates microglial function via activation of both sigma-1 and sigma-2 receptors. <b>2011</b> , 339, 161-72	37
200	Afobazole modulates neuronal response to ischemia and acidosis via activation of sigma-1 receptors. <b>2011</b> , 339, 152-60	27
199	Long-duration perforated patch recordings from spinal interneurons of adult mice. <b>2011</b> , 106, 2783-9	22
198	Contribution of Kv2.1 channels to the delayed rectifier current in freshly dispersed smooth muscle cells from rabbit urethra. <b>2011</b> , 301, C1186-200	13
197	Combined phosphoinositide and Ca2+ signals mediating receptor specificity toward neuronal Ca2+ channels. <b>2011</b> , 286, 830-41	27
196	Modulation by endogenously released ATP and opioids of chromaffin cell calcium channels in mouse adrenal slices. <b>2011</b> , 300, C610-23	20
195	Docosahexaenoic Acid reduces the incidence of early afterdepolarizations caused by oxidative stress in rabbit ventricular myocytes. <b>2012</b> , 3, 252	9
194	CREB critically regulates action potential shape and duration in the adult mouse ventricle. <b>2012</b> , 302, H1998-2007	23
193	Atypical Ca2+ currents in chromaffin cells from SHR and WKY rat strains result from the deficient expression of a splice variant of the #D Ca2+ channel. <b>2012</b> , 302, H467-78	5
192	Patch clamp recordings in inner ear hair cells isolated from zebrafish. 2012,	4
191	Effects of phenylephrine on spontaneous activity and L-type Ca2+ current in isolated corpus cavernosum myocytes. <b>2012</b> , 9, 2795-805	4
190	Investigation of L-type Ca(2+) current in the aganglionic bowel segment in Hirschsprung's disease. <b>2012</b> , 24, 1126-e571	2
189	Perforated Whole-Cell Patch-Clamp Technique: A User Guide. Springer Protocols, 2012, 71-83	3 4
188	Measuring action potential-evoked transmission at individual synaptic contacts. <b>2012</b> , 9, 036014	1

## (2013-2012)

	Do calcium waves propagate between cells and synchronize alternating calcium release in rat ventricular myocytes?. <b>2012</b> , 590, 6353-61	8
186	A comparison of serotonin neuromodulation of mouse spinal V2a interneurons using perforated patch and whole cell recording techniques. <b>2012</b> , 6, 39	4
185	Use of Patch Clamp Electrophysiology to Identify Off-Target Effects of Clinically Used Drugs. 2012,	
184	Proarrhythmia in a non-failing murine model of cardiac-specific Na+/Ca 2+ exchanger overexpression: whole heart and cellular mechanisms. <b>2012</b> , 107, 247	31
183	Control of firing patterns through modulation of axon initial segment T-type calcium channels. <b>2012</b> , 590, 109-18	40
182	Evoked Impulse Activity of Isolated Hippocampal Neurons in the Perforated Patch-Clamp Configuration. <b>2012</b> , 43, 417-424	1
181	Rhynchophylline-induced vasodilation in human mesenteric artery is mainly due to blockage of L-type calcium channels in vascular smooth muscle cells. <b>2013</b> , 386, 973-82	21
180	The fat mass and obesity associated gene (Fto) regulates activity of the dopaminergic midbrain circuitry. <b>2013</b> , 16, 1042-8	327
179	Methylmercury decreases cellular excitability by a direct blockade of sodium and calcium channels in bovine chromaffin cells: an integrative study. <b>2013</b> , 465, 1727-40	1
178	The epithelial cell-derived atopic dermatitis cytokine TSLP activates neurons to induce itch. <b>2013</b> , 155, 285-95	554
177	AgRP innervation onto POMC neurons increases with age and is accelerated with chronic high-fat feeding in male mice. <b>2013</b> , 154, 172-83	
	Teeding in make mice. 2015, 154, 172 05	39
176	Regulation of the sodium pump during cardiomyocyte adaptation to pregnancy. <b>2013</b> , 98, 183-92	6
176 175		
	Regulation of the sodium pump during cardiomyocyte adaptation to pregnancy. <b>2013</b> , 98, 183-92	6
175	Regulation of the sodium pump during cardiomyocyte adaptation to pregnancy. <b>2013</b> , 98, 183-92  Chronic calcium imaging in neuronal development and disease. <b>2013</b> , 242, 50-6  Role of protein kinase C in agonist-induced desensitization of 5-HTA receptor coupling to calcium	6 9
175	Regulation of the sodium pump during cardiomyocyte adaptation to pregnancy. 2013, 98, 183-92  Chronic calcium imaging in neuronal development and disease. 2013, 242, 50-6  Role of protein kinase C in agonist-induced desensitization of 5-HTA receptor coupling to calcium channels in F11 cells. 2013, 706, 84-91  Lidocaine effects on acetylcholine-elicited currents from mouse superior cervical ganglion neurons.	6 9 2
175 174 173	Regulation of the sodium pump during cardiomyocyte adaptation to pregnancy. <b>2013</b> , 98, 183-92  Chronic calcium imaging in neuronal development and disease. <b>2013</b> , 242, 50-6  Role of protein kinase C in agonist-induced desensitization of 5-HTA receptor coupling to calcium channels in F11 cells. <b>2013</b> , 706, 84-91  Lidocaine effects on acetylcholine-elicited currents from mouse superior cervical ganglion neurons. <b>2013</b> , 75, 198-203  Cholinergic receptor activation supports persistent firing in layer III neurons in the medial	6 9 2

169	Light-triggered modulation of cellular electrical activity by ruthenium diimine nanoswitches. <b>2013</b> , 4, 585-93	12
168	High-resolution membrane capacitance measurements for the study of exocytosis and endocytosis. <b>2013</b> , 8, 1169-83	45
167	Phospholamban knockout breaks arrhythmogenic Call+ waves and suppresses catecholaminergic polymorphic ventricular tachycardia in mice. <i>Circulation Research</i> , <b>2013</b> , 113, 517-26	52
166	Development of a high-throughput electrophysiological assay for the human ether-Ego-go related potassium channel hERG. <b>2013</b> , 67, 33-44	43
165	Plasmalemmal sodium-calcium exchanger shapes the calcium and exocytotic signals of chromaffin cells at physiological temperature. <b>2013</b> , 305, C160-72	9
164	Use of escin as a perforating agent on the IonWorks quattro automated electrophysiology platform. <b>2013</b> , 18, 128-34	8
163	Functional effects of KCNQ K(+) channels in airway smooth muscle. <b>2013</b> , 4, 277	22
162	Spatial heterogeneity enhances and modulates excitability in a mathematical model of the myometrium. <b>2013</b> , 10, 20130458	11
161	□Cell-specific protein kinase A activation enhances the efficiency of glucose control by increasing acute-phase insulin secretion. <b>2013</b> , 62, 1527-36	46
160	Role of TRPC1 and TRPC3 channels in contraction and relaxation of mouse thoracic aorta. <b>2013</b> , 50, 11-20	30
159	Interfacing neurons through the patch membrane pierced with single-walled carbon nanotubes. <b>2013</b> , 2013, 4502-5	1
158	The neuronal serum- and glucocorticoid-regulated kinase 1.1 reduces neuronal excitability and protects against seizures through upregulation of the M-current. <b>2013</b> , 33, 2684-96	16
157	Effects of KCNQ2 gene truncation on M-type Kv7 potassium currents. <i>PLoS ONE</i> , <b>2013</b> , 8, e71809 3.7	14
156	Anion transport and GABA signaling. <b>2013</b> , 7, 177	27
155	Modulation of synaptic function through the Heurexin-specific ligand neurexophilin-1. <b>2014</b> , 111, E1274-83	32
154	Synapse elimination and learning rules co-regulated by MHC class I H2-Db. <b>2014</b> , 509, 195-200	159
153	Electrophysiological Recording Techniques. 2014,	3
152	Impaired platelet-derived growth factor receptor expression and function in cultured lower esophageal sphincter circular smooth muscle cells from W/W(v) mutant mice. <b>2014</b> , 92, 34-41	4

151	Hypoxia-elicited catecholamine release is controlled by L-type as well as N/PQ types of calcium channels in rat embryo chromaffin cells. <b>2014</b> , 307, C455-65		9
150	Non-specific inhibition of ischemia- and acidosis-induced intracellular calcium elevations and membrane currents by phenyl-N-tert-butylnitrone, butylated hydroxytoluene and trolox. <b>2014</b> , 15, 3596-611		3
149	Direct measurements of SR free Ca reveal the mechanism underlying the transient effects of RyR potentiation under physiological conditions. <b>2014</b> , 103, 554-63		19
148	Pancreatic I-cell-specific ablation of TASK-1 channels augments glucose-stimulated calcium entry and insulin secretion, improving glucose tolerance. <b>2014</b> , 155, 3757-68		30
147	Chapter 4:Nanowire Biosensors. <b>2014</b> , 167-199		
146	ATP evokes inward currents in corpus cavernosum myocytes. <b>2014</b> , 11, 64-74		5
145	Whole-Cell Patch-Clamp Recording. Springer Protocols, 2014, 353-367	0.3	1
144	Exocytosis Methods. Neuromethods, 2014,	0.4	
143	Neonatal insulin action impairs hypothalamic neurocircuit formation in response to maternal high-fat feeding. <b>2014</b> , 156, 495-509		235
142	The inwardly rectifying K+ channel KIR7.1 controls uterine excitability throughout pregnancy. <b>2014</b> , 6, 1161-74		47
141	Rods in daylight act as relay cells for cone-driven horizontal cell-mediated surround inhibition. <b>2014</b> , 17, 1728-35		47
140	Inhibition of pancreatic I-cell Ca2+/calmodulin-dependent protein kinase II reduces glucose-stimulated calcium influx and insulin secretion, impairing glucose tolerance. <b>2014</b> , 289, 12435-	45	41
139	Calcium transients closely reflect prolonged action potentials in iPSC models of inherited cardiac arrhythmia. <b>2014</b> , 3, 269-81		92
138	Dual action of leptin on rest-firing and stimulated catecholamine release via phosphoinositide 3-kinase-driven BK channel up-regulation in mouse chromaffin cells. <b>2015</b> , 593, 4835-53		8
137	Quantitative Profiling of the Effects of Vanoxerine on Human Cardiac Ion Channels and its Application to Cardiac Risk. <b>2015</b> , 5, 17623		23
136	Muscarinic modulation of TREK currents in mouse sympathetic superior cervical ganglion neurons. <b>2015</b> , 42, 1797-807		9
135	The Role of the Carboxyl Terminus Helix C-D Linker in Regulating KCNQ3 K+ Current Amplitudes by Controlling Channel Trafficking. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145367	3.7	4
134	Presynaptically mediated effects of cholecystokinin-8 on the excitability of area postrema neurons in rat brain slices. <b>2015</b> , 1618, 83-90		6

133	Benzothiazepine CGP37157 Analogues Exert Cytoprotection in Various in Vitro Models of Neurodegeneration. <b>2015</b> , 6, 1626-36	8
132	Adult spinal V2a interneurons show increased excitability and serotonin-dependent bistability. <b>2015</b> , 113, 1124-34	24
131	A High-Throughput Electrophysiology Assay Identifies Inhibitors of the Inwardly Rectifying Potassium Channel Kir7.1. <b>2015</b> , 20, 739-47	7
130	The mitochondrial uniporter controls fight or flight heart rate increases. <b>2015</b> , 6, 6081	106
129	Distinct electrophysiological and mechanical beating phenotypes of long QT syndrome type 1-specific cardiomyocytes carrying different mutations. <b>2015</b> , 8, 19-31	25
128	TASK-1 Potassium Channels Limit Pancreatic & ell Calcium Influx and Glucagon Secretion. <b>2015</b> , 29, 777-87	28
127	Effects of Wild-Type and Mutant Forms of Atrial Natriuretic Peptide on Atrial Electrophysiology and Arrhythmogenesis. <b>2015</b> , 8, 1240-54	21
126	Impaired sinoatrial node function and increased susceptibility to atrial fibrillation in mice lacking natriuretic peptide receptor C. <b>2015</b> , 593, 1127-46	37
125	Automated Video-Based Analysis of Contractility and Calcium Flux in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes Cultured over Different Spatial Scales. <b>2015</b> , 21, 467-79	171
124	El Receptor Inhibition of ASIC1a Channels is Dependent on a Pertussis Toxin-Sensitive G-Protein and an AKAP150/Calcineurin Complex. <b>2015</b> , 40, 2055-67	9
123	Mutation-Specific Phenotypes in hiPSC-Derived Cardiomyocytes Carrying Either Myosin-Binding Protein C Or ⊞ropomyosin Mutation for Hypertrophic Cardiomyopathy. <b>2016</b> , 2016, 1684792	51
122	How to Properly Measure a Current-Voltage Relation?-Interpolation vs. Ramp Methods Applied to Studies of GABAA Receptors. <b>2016</b> , 10, 10	9
121	Reconstruction of Cell Surface Densities of Ion Pumps, Exchangers, and Channels from mRNA Expression, Conductance Kinetics, Whole-Cell Calcium, and Current-Clamp Voltage Recordings, with an Application to Human Uterine Smooth Muscle Cells. <b>2016</b> , 12, e1004828	14
120	Pilocarpine-Induced Status Epilepticus Increases the Sensitivity of P2X7 and P2Y1 Receptors to Nucleotides at Neural Progenitor Cells of the Juvenile Rodent Hippocampus. <b>2017</b> , 27, 3568-3585	25
119	Heterogeneous firing rate response of mouse layer V pyramidal neurons in the fluctuation-driven regime. <b>2016</b> , 594, 3791-808	18
118	Establishment of the Dual Whole Cell Recording Patch Clamp Configuration for the Measurement of Gap Junction Conductance. <b>2016</b> , 1437, 213-31	2
117	The intimate and controversial relationship between voltage-gated proton channels and the phagocyte NADPH oxidase. <b>2016</b> , 273, 194-218	28
116	In vivo whole-cell recording with high success rate in anaesthetized and awake mammalian brains. <b>2016</b> , 9, 86	12

115	BK Channels and the Control of the Pituitary. <b>2016</b> , 128, 343-68	8
114	Electrophysiological Analysis of Synaptic Transmission. <i>Neuromethods</i> , <b>2016</b> , 0.4	6
113	The vasodilator papaverine stimulates L-type Ca(2+) current in rat tail artery myocytes via a PKA-dependent mechanism. <b>2016</b> , 76, 53-61	18
112	Cyclic guanosine monophosphate compartmentation in human vascular smooth muscle cells. <b>2016</b> , 28, 109-116	14
111	Effect of a novel BKCa opener on BKCa currents and contractility of the rabbit corpus cavernosum. <b>2016</b> , 310, C284-92	9
110	Modulation of spontaneous intracellular Call+ fluctuations and spontaneous cholinergic transmission in rat chromaffin cells in situ by endogenous GABA acting on GABAA receptors. <b>2016</b> , 468, 351-65	2
109	□arrestin-2 is an essential regulator of pancreatic □cell function under physiological and pathophysiological conditions. <b>2017</b> , 8, 14295	40
108	Inhibition of P2Y6 Signaling in AgRP Neurons Reduces Food Intake and Improves Systemic Insulin Sensitivity in Obesity. <b>2017</b> , 18, 1587-1597	28
107	Low extracellular potassium prolongs repolarization and evokes early afterdepolarization in human induced pluripotent stem cell-derived cardiomyocytes. <b>2017</b> , 6, 777-784	14
106	Electrophysiological properties and augmented catecholamine release from chromaffin cells of WKY and SHR rats contributing to the hypertension development elicited by chronic EtOH consumption. <b>2017</b> , 803, 65-77	4
105	Molecular mechanisms involved in the non-monotonic effect of bisphenol-a on ca2+ entry in mouse pancreatic I-cells. <b>2017</b> , 7, 11770	42
104	The role of Ca-activated Cl current in tone generation in the rabbit corpus cavernosum. 2017, 313, C475-C486	8
103	Involvement of cyclic nucleotide-gated channels in spontaneous activity generated in isolated interstitial cells of Cajal from the rabbit urethra. <b>2017</b> , 814, 216-225	4
102	Effects of new-generation TMEM16A inhibitors on calcium-activated chloride currents in rabbit urethral interstitial cells of Cajal. <b>2017</b> , 469, 1443-1455	13
101	ITH14001, a CGP37157-Nimodipine Hybrid Designed to Regulate Calcium Homeostasis and Oxidative Stress, Exerts Neuroprotection in Cerebral Ischemia. <b>2017</b> , 8, 67-81	15
100	Energy imbalance alters Ca handling and excitability of POMC neurons. <i>ELife</i> , <b>2017</b> , 6, 8.9	30
99	Interneurons in Synaptic Plasticity and Information Storage. 2017, 179-198	
98	A Calmodulin C-Lobe Ca-Dependent Switch Governs Kv7 Channel Function. <b>2018</b> , 97, 836-852.e6	38

97	Cytokine-mediated changes in K channel activity promotes an adaptive Ca response that sustains I-cell insulin secretion during inflammation. <b>2018</b> , 8, 1158	11
96	Simultaneous Real-Time Measurement of the I-Cell Membrane Potential and Ca Influx to Assess the Role of Potassium Channels on I-Cell Function. <b>2018</b> , 1684, 73-84	1
95	Regulation of Ca signaling by acute hypoxia and acidosis in rat neonatal cardiomyocytes. <b>2018</b> , 114, 58-71	4
94	Depletion of plasma membrane-associated phosphoinositides mimics inhibition of TRPM7 channels by cytosolic Mg, spermine, and pH. <b>2018</b> , 293, 18151-18167	9
93	Mild Impairment of Mitochondrial OXPHOS Promotes Fatty Acid Utilization in POMC Neurons and Improves Glucose Homeostasis in Obesity. <b>2018</b> , 25, 383-397.e10	19
92	Phosphatidylinositol 4,5-bisphosphate (PIP) regulates KCNQ3 K channels by interacting with four cytoplasmic channel domains. <b>2018</b> , 293, 19411-19428	19
91	Healthy Brain-pituitary Slices for Electrophysiological Investigations of Pituitary Cells in Teleost Fish. <b>2018</b> ,	3
90	p53 in AgRP neurons is required for protection against diet-induced obesity via JNK1. <b>2018</b> , 9, 3432	27
89	Acute lung injury in neonatal rats causes postsynaptic depression in nucleus tractus solitarii second-order neurons. <b>2019</b> , 269, 103250	5
88	Activation of Sigma Receptors With Afobazole Modulates Microglial, but Not Neuronal, Apoptotic Gene Expression in Response to Long-Term Ischemia Exposure. <b>2019</b> , 13, 414	4
87	The role of the nAChR subunits $\blacksquare$ , $\square$ , and $\square$ 4 on synaptic transmission in the mouse superior cervical ganglion. <b>2019</b> , 7, e14023	6
86	A mutually induced conformational fit underlies Ca-directed interactions between calmodulin and the proximal C terminus of KCNQ4 K channels. <b>2019</b> , 294, 6094-6112	6
85	Glucose-mediated inhibition of calcium-activated potassium channels limits & ell calcium influx and glucagon secretion. <b>2019</b> , 316, E646-E659	7
84	Regulation of Ca signaling by acute hypoxia and acidosis in cardiomyocytes derived from human induced pluripotent stem cells. <i>Cell Calcium</i> , <b>2019</b> , 78, 1-14	7
83	Magnesium-based biodegradable microelectrodes for neural recording. 2020, 110, 110614	3
82	Hypothalamic Pomc Neurons Innervate the Spinal Cord and Modulate the Excitability of Premotor Circuits. <b>2020</b> , 30, 4579-4593.e7	O
81	Contribution of KCNQ and TREK Channels to the Resting Membrane Potential in Sympathetic Neurons at Physiological Temperature. <b>2020</b> , 21,	2
80	Chronic resveratrol consumption prevents hypertension development altering electrophysiological currents and Ca signaling in chromaffin cells from SHR rats. <b>2020</b> , 76, 109811	2

## (2007-2020)

79	Voltage-Gated Intrinsic Conductances Shape the Input-Output Relationship of Cortical Neurons in Behaving Primate V1. <b>2020</b> , 107, 185-196.e4		5
78	Preparation and Utilization of Freshly Isolated Human Detrusor Smooth Muscle Cells for Characterization of 9-Phenanthrol-Sensitive Cation Currents. <b>2020</b> ,		2
77	Cross-site and cross-platform variability of automated patch clamp assessments of drug effects on human cardiac currents in recombinant cells. <b>2020</b> , 10, 5627		14
76	Self-assembly, stability and conductance of amphotericin B channels: bridging the gap between structure and function. <b>2021</b> , 13, 3686-3697		1
75	Alternative splicing of auxiliary 12-subunits stabilizes Cav2.3 Ca2+ channel activity in continuously active midbrain dopamine neurons.		
74	Fast inactivation of Nav current in rat adrenal chromaffin cells involves two independent inactivation pathways. <b>2021</b> , 153,		2
73	Functionally distinct POMC-expressing neuron subpopulations in hypothalamus revealed by intersectional targeting. <b>2021</b> , 24, 913-929		19
72	Analysis of neuronal Ca handling properties by combining perforated patch clamp recordings and the added buffer approach. <i>Cell Calcium</i> , <b>2021</b> , 97, 102411	4	4
71	Cyclic nucleotide-dependent ionic currents in olfactory receptor neurons of the hawkmoth Manduca sexta suggest pull-push sensitivity modulation. <b>2021</b> , 54, 4804-4826		O
70	Pro-arrhythmogenic effects of conditioned medium proteins in a model of bovine chromaffin cells. <b>2021</b> , 1-12		
69	Loop Diuretics Inhibit Ischemia-Induced Intracellular Ca Overload in Neurons the Inhibition of Voltage-Gated Ca and Na Channels. <b>2021</b> , 12, 732922		1
68	Orexin receptors 1 and 2 in serotonergic neurons differentially regulate peripheral glucose metabolism in obesity. <b>2021</b> , 12, 5249		2
67	Tight-Seal Whole-Cell Recording. <b>1995</b> , 31-52		95
66	Adenosine 5日riphosphate Receptor [Mediated Currents in Rat Intracardiac Neurons. <b>1995</b> , 121-131		2
65	GABAB receptors and supraoptic neuronal activity. <b>1998</b> , 449, 107-15		2
64	Depolarization is a critical event in hypoxia-induced glomus cell secretion. <b>1996</b> , 410, 181-7		7
63	Calcium-activated potassium channels in adrenal chromaffin cells. <b>1996</b> , 4, 261-301		56
62	Analysis of electrophysiological properties and responses of neutrophils. 2007, 412, 139-75		4

61	Perforated Patch-Clamp Techniques. <i>Neuromethods</i> , <b>2007</b> , 253-293	0.4	7
60	Electrophysiological and neurochemical techniques to investigate sensory neurons in analgesia research. <b>2010</b> , 617, 237-59		12
59	Isolated Neurohypophysial Terminals: Model for DepolarizationBecretion Coupling. <i>Neuromethods</i> , <b>2014</b> , 191-220	0.4	1
58	Analysis of electrophysiological properties and responses of neutrophils. <b>2014</b> , 1124, 121-58		3
57	Electrical Activity of Individual Neurons: Patch-Clamp Techniques. <b>1999</b> , 173-192		2
56	Calcium Channels of Human Retinal Glial Cells. <b>1994</b> , 68-81		4
55	SPONTANEOUS CA2+ ACTIVATED CL??? CURRENTS IN ISOLATED URETHRAL SMOOTH MUSCLE CELLS. <i>Journal of Urology</i> , <b>2001</b> , 1161-1166	2.5	1
54	The Patch Clamp Technique. <b>1995</b> , 36, 382???392		3
53	Intrinsic spontaneous activity and subthreshold oscillations in neurones of the rat dorsal column nuclei in culture. <b>2003</b> , 551, 191-205		42
52	Pancreatic I-Cell Electrical Activity and Insulin Secretion: Of Mice and Men. <i>Physiological Reviews</i> , <b>2018</b> , 98, 117-214	47.9	290
51	Anorexic agents aminorex, fenfluramine, and dexfenfluramine inhibit potassium current in rat pulmonary vascular smooth muscle and cause pulmonary vasoconstriction. <i>Circulation</i> , <b>1996</b> , 94, 2216-20	o <sup>16.7</sup>	149
50	Positive chronotropic actions of parathyroid hormone and parathyroid hormone-related peptide are associated with increases in the current, I(f), and the slope of the pacemaker potential. <i>Circulation</i> , <b>1997</b> , 96, 3704-9	16.7	38
49	Effects of delayed rectifier current blockade by E-4031 on impulse generation in single sinoatrial nodal myocytes of the rabbit. <i>Circulation Research</i> , <b>1995</b> , 76, 607-15	15.7	94
48	Differential distribution of electrophysiologically distinct myocytes in conduit and resistance arteries determines their response to nitric oxide and hypoxia. <i>Circulation Research</i> , <b>1996</b> , 78, 431-42	15.7	259
47	Conversion of amylase-secreting rat pancreatic AR42J cells to neuronlike cells by activin A. <i>Journal of Clinical Investigation</i> , <b>1995</b> , 95, 2304-14	15.9	30
46	Oxygen-induced constriction of rabbit ductus arteriosus occurs via inhibition of a 4-aminopyridine-, voltage-sensitive potassium channel. <i>Journal of Clinical Investigation</i> , <b>1996</b> , 98, 1959-65	15.9	103
45	In vitro differentiation of embryonic stem cells into glial cells and functional neurons. <i>Journal of Cell Science</i> , <b>1995</b> , 108, 3181-3188	5.3	295
44	Modulation of membrane currents by cyclic AMP in cleavage-arrested Drosophila neurons <i>Journal of Experimental Biology</i> , <b>1996</b> , 199, 537-548	3	19

43	High extracellular Ca2+ stimulates Ca2+-activated Cl- currents in frog parathyroid cells through the mediation of arachidonic acid cascade. <i>PLoS ONE</i> , <b>2011</b> , 6, e19158	3.7	6
42	Contribution of Resting Conductance, GABA-Receptor Mediated Miniature Synaptic Currents and Neurosteroid to Chloride Homeostasis in Central Neurons. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	8
41	Effects of membrane potential on Na+ -dependent Mg2+ extrusion from rat ventricular myocytes. <i>The Japanese Journal of Physiology</i> , <b>2002</b> , 52, 541-51		18
40	Effects of increased intracellular Cl- concentration on membrane responses to acetylcholine in the isolated endothelium of guinea pig mesenteric arteries. <i>Journal of Physiological Sciences</i> , <b>2007</b> , 57, 31-4	11 <sup>2.3</sup>	3
39	Membrane properties specialize mammalian inner hair cells for frequency or intensity encoding. <i>ELife</i> , <b>2015</b> , 4,	8.9	25
38	Antagonistic modulation of NPY/AgRP and POMC neurons in the arcuate nucleus by noradrenalin. <i>ELife</i> , <b>2017</b> , 6,	8.9	25
37	Ion Channels and Disease - Pages 419-464. <b>2000</b> , 419-464		
36	Comparison of a Ca(2+)-gated conductance and a second-messenger-gated conductance in rat olfactory neurons. <i>Journal of Experimental Biology</i> , <b>2000</b> , 203, 567-573	3	5
35	The Patch-Clamp Technique for Measurement of K+Channels in Xenopus Oocytes and Mammalian Expression Systems. <b>2001</b> , 143-161		
34	POTASSIUM OUTWARD CURRENTS IN FRESHLY DISSOCIATED RABBIT CORPUS CAVERNOSUM MYOCYTES. <i>Journal of Urology</i> , <b>2001</b> , 1167-1177	2.5	1
33	Mechanical Dissociation of Retinal Neurons with Vibration. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2007</b> , 127, 1603-1610	0.1	1
32	Biology of the Lens: Lens Transparency as a Function of Embryology, Anatomy, and Physiology. <b>2008</b> , 1291-1339		1
31	Intracellular Recording In Vivo and Patch-Clamp Recording on Brain Slices. Springer Protocols, 2012, 109	5-&2 <sub>3</sub> 1	
30	Patch-Clamp Recordings from Isolated Cardiac Myocytes. 50-59		
29	Electrophysiological Analysis of Ion Channel Function. <b>1995</b> , 137-156		O
28	Overview: Channels and channel proteins. <i>Developments in Cardiovascular Medicine</i> , <b>1996</b> , 3-15		
27	Role of K+ Channels in Semicircular Canal Adaptation. <b>1996</b> , 183-191		
26	K+ Channels and the Normoxic Constriction of the Rabbit Ductus Arteriosus. <b>1998</b> , 473-478		

25	Perforated Patch-Clamp Technique in Heart Cells. <b>1998</b> , 207-213		O
24	Membrane Potential and Action Potential Measurements in Whole Cell and Perforated Patch Configurations. <b>1998</b> , 187-206		
23	Perforated Patch. Neuromethods, 2016, 91-98	0.4	
22	Phosphatidylinositol 4,5-Bisphosphate (PIP2) Regulates KCNQ3 K+ Channels through Multiple Sites of Action.		
21	Novel target identification using single cell sequencing and electrophysiology of cardiac sympathetic neurons in disease.		
20	Analysis of neuronal Ca2+handling properties by combining perforated patch clamp recordings and the added buffer approach.		
19	Mutation in RyR2-FKBP Binding site alters Ca signaling modestly but increases "arrhythmogenesis" in human stem cells derived cardiomyocytes. <i>Cell Calcium</i> , <b>2021</b> , 101, 102500	4	1
18	Calcium Channels in the Heart. <b>2005</b> , 309-325		
17	Patch-Clamp Technologies for Ion Channel Research. <b>2007</b> , 571-593		
16	Tissue Engineered Models for In Vitro Studies. <b>2009</b> , 759-772		
16 15	Tissue Engineered Models for In Vitro Studies. 2009, 759-772  Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.		0
	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent	2.8	0 32
15	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.  Synaptic reliability correlates with reduced susceptibility to synaptic potentiation by brain-derived	2.8	
15 14	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.  Synaptic reliability correlates with reduced susceptibility to synaptic potentiation by brain-derived neurotrophic factor. <i>Learning and Memory</i> , <b>1999</b> , 6, 232-42  Serum-induced membrane depolarization in quiescent fibroblasts: activation of a chloride		32
15 14 13	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.  Synaptic reliability correlates with reduced susceptibility to synaptic potentiation by brain-derived neurotrophic factor. <i>Learning and Memory</i> , <b>1999</b> , 6, 232-42  Serum-induced membrane depolarization in quiescent fibroblasts: activation of a chloride conductance through the G protein-coupled LPA receptor. <i>EMBO Journal</i> , <b>1996</b> , 15, 63-72  Diabetes-induced dysfunction of retinal Miler cells. <i>Transactions of the American Ophthalmological</i>		32 14
15 14 13	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.  Synaptic reliability correlates with reduced susceptibility to synaptic potentiation by brain-derived neurotrophic factor. Learning and Memory, 1999, 6, 232-42  Serum-induced membrane depolarization in quiescent fibroblasts: activation of a chloride conductance through the G protein-coupled LPA receptor. EMBO Journal, 1996, 15, 63-72  Diabetes-induced dysfunction of retinal Mller cells. Transactions of the American Ophthalmological Society, 2002, 100, 339-52  Synaptic Reliability Correlates with Reduced Susceptibility to Synaptic Potentiation by	13	32 14 54
15 14 13 12	Fast inactivation of Na+ current in rat adrenal chromaffin cells involves two independent inactivation pathways.  Synaptic reliability correlates with reduced susceptibility to synaptic potentiation by brain-derived neurotrophic factor. <i>Learning and Memory</i> , 1999, 6, 232-42  Serum-induced membrane depolarization in quiescent fibroblasts: activation of a chloride conductance through the G protein-coupled LPA receptor. <i>EMBO Journal</i> , 1996, 15, 63-72  Diabetes-induced dysfunction of retinal Mller cells. <i>Transactions of the American Ophthalmological Society</i> , 2002, 100, 339-52  Synaptic Reliability Correlates with Reduced Susceptibility to Synaptic Potentiation by Brain-Derived Neurotrophic Factor. <i>Learning and Memory</i> , 1999, 6, 232-242	13	32 14 54

## CITATION REPORT

7	Perforated Patch. <b>2022</b> , 91-97	Ο
6	A lipoglycopeptide antibiotic for Gram-positive biofilm-related infections. <b>2022</b> , 14,	O
5	Recording of Chromaffin Cell Electrical Activity In Situ in Acute Adrenal Slices. 2023, 113-127	O
4	Dopamine-inhibited POMCDrd2+ neurons in the ARC acutely regulate feeding and body temperature. <b>2022</b> , 7,	O
3	Ca 2+ -activated Cl Ithannels (TMEM16A) underlie spontaneous electrical activity in isolated mouse corpus cavernosum smooth muscle cells. <b>2022</b> , 10,	O
2	Aluminium alters excitability by inhibiting calcium, sodium and potassium currents in bovine chromaffin cells.	O
1	Aluminum alters excitability by inhibiting calcium, sodium, and potassium currents in bovine chromaffin cells. <b>2023</b> , 165, 162-176	O