Emilio Carbone

List of Publications by Citations

163 papers	7,064 citations	46 h-index	76 g-index
177 ext. papers	7,488 ext. citations	5.5 avg, IF	5.47 L-index

#	Paper	IF	Citations
163	A low voltage-activated, fully inactivating Ca channel in vertebrate sensory neurones. *Nature*, **1984**, 310, 501-2	50.4	767
162	Kinetics and selectivity of a low-voltage-activated calcium current in chick and rat sensory neurones. *Journal of Physiology*, **1987**, 386, 547-70	3.9	353
161	Effects of dopamine and noradrenaline on Ca channels of cultured sensory and sympathetic neurons of chick. *Pflugers Archiv European Journal of Physiology*, **1986**, 406, 104-11	4.6	261
160	A low voltage-activated calcium conductance in embryonic chick sensory neurons. *Biophysical Journal*, **1984**, 46, 413-8	2.9	258
159	Selective blockage of voltage-dependent K+ channels by a novel scorpion toxin. *Nature*, **1982**, 296, 90-1	50.4	194
158	Do calcium channel classifications account for neuronal calcium channel diversity?. *Trends in Neurosciences*, **1991**, 14, 46-51	13.3	164
157	Neuronal calcium channels: kinetics, blockade and modulation. *Progress in Biophysics and Molecular Biology*, **1989**, 54, 31-58	4.7	153
156	Loss of Cav1.3 channels reveals the critical role of L-type and BK channel coupling in pacemaking mouse adrenal chromaffin cells. *Journal of Neuroscience*, **2010**, 30, 491-504	6.6	129
155	Single low-voltage-activated calcium channels in chick and rat sensory neurones. *Journal of Physiology*, **1987**, 386, 571-601	3.9	123
154	Neural differentiation of human mesenchymal stem cells: Evidence for expression of neural markers and eag K+ channel types. *Experimental Hematology*, **2006**, 34, 1563-72	3.1	122
153	Ca currents in human neuroblastoma IMR32 cells: kinetics, permeability and pharmacology. *Pflugers Archiv European Journal of Physiology*, **1990**, 416, 170-9	4.6	109
152	K+ conductance modified by a titratable group accessible to protons from the intracellular side of the squid axon membrane. *Biophysical Journal*, **1979**, 26, 319-24	2.9	96
151	Chronic hypoxia up-regulates alpha1H T-type channels and low-threshold catecholamine secretion in rat chromaffin cells. *Journal of Physiology*, **2007**, 584, 149-65	3.9	85
150	Effect of menthol on two types of Ca currents in cultured sensory neurons of vertebrates. *Pflugers Archiv European Journal of Physiology*, **1987**, 409, 52-9	4.6	85
149	Brain-derived neurotrophic factor enhances GABA release probability and nonuniform distribution of N- and P/Q-type channels on release sites of hippocampal inhibitory synapses. *Journal of Neuroscience*, **2005**, 25, 3358-68	6.6	82
148	Ca(v)1.3 and BK channels for timing and regulating cell firing. *Molecular Neurobiology*, **2010**, 42, 185-98	6.2	81
147	Tetracycline fluorescence as calcium-probe for nerve membrane with some model studies using erythrocyte ghosts. *Journal of Membrane Biology*, **1972**, 10, 31-44	2.3	75

146	Voltage-dependent modulation of single N-Type Ca2+ channel kinetics by receptor agonists in IMR32 cells. *Biophysical Journal*, **1996**, 70, 2144-54	2.9	71
145	Localized secretion of ATP and opioids revealed through single Ca2+ channel modulation in bovine chromaffin cells. *Neuron*, **1998**, 20, 1255-68	13.9	66
144	Exposure to cAMP and beta-adrenergic stimulation recruits Ca(V)3 T-type channels in rat chromaffin cells through Epac cAMP-receptor proteins. *Journal of Physiology*, **2004**, 558, 433-49	3.9	66
143	Dihydropyridine-sensitive and -insensitive voltage-operated calcium channels participate in the control of glucose-induced insulin release from human pancreatic beta cells. *Journal of Endocrinology*, **1996**, 150, 195-203	4.7	65
142	BDNF up-regulates evoked GABAergic transmission in developing hippocampus by potentiating presynaptic N- and P/Q-type Ca2+ channels signalling. *European Journal of Neuroscience*, **2002**, 16, 2297-310	3.5	65
141	Opioid inhibition of Ca2+ channel subtypes in bovine chromaffin cells: selectivity of action and voltage-dependence. *European Journal of Neuroscience*, **1996**, 8, 1561-70	3.5	65
140	L-type calcium channels in adrenal chromaffin cells: role in pace-making and secretion. *Cell Calcium*, **2007**, 42, 397-408	4	64
139	Allosteric modulation of alpha 7 nicotinic receptors selectively depolarizes hippocampal interneurons, enhancing spontaneous GABAergic transmission. *European Journal of Neuroscience*, **2008**, 27, 1097-110	3.5	61
138	Na+ currents through low-voltage-activated Ca2+ channels of chick sensory neurones: block by external Ca2+ and Mg2+. *Journal of Physiology*, **1990**, 430, 159-88	3.9	59
137	Temperature sensitivity of Ca currents in chick sensory neurones. *Pflugers Archiv European Journal of Physiology*, **1990**, 415, 658-63	4.6	59
136	Opposite action of beta1- and beta2-adrenergic receptors on Ca(V)1 L-channel current in rat adrenal chromaffin cells. *Journal of Neuroscience*, **2003**, 23, 73-83	6.6	56
135	Nitric oxide inhibits neuroendocrine Ca(V)1 L-channel gating via cGMP-dependent protein kinase in cell-attached patches of bovine chromaffin cells. *Journal of Physiology*, **2002**, 541, 351-66	3.9	55
134	Nanocrystalline diamond microelectrode arrays fabricated on sapphire technology for high-time resolution of quantal catecholamine secretion from chromaffin cells. *Biosensors and Bioelectronics*, **2010**, 26, 92-8	11.8	54
133	The mechanism of calcium channel facilitation in bovine chromaffin cells. *Journal of Physiology*, **1996**, 494 (Pt 3), 687-95	3.9	54
132	Localized L-type calcium channels control exocytosis in cat chromaffin cells. *Pflugers Archiv European Journal of Physiology*, **1994**, 427, 348-54	4.6	54
131	Calcium channel types contributing to chromaffin cell excitability, exocytosis and endocytosis. *Cell Calcium*, **2012**, 51, 321-30	4	53
130	BDNF, NT-3 and NGF induce distinct new Ca2+ channel synthesis in developing hippocampal neurons. *European Journal of Neuroscience*, **2000**, 12, 4017-32	3.5	52
129	Calcium channel subtypes in cat chromaffin cells. *Journal of Physiology*, **1994**, 477, 197-213	3.9	52

128	Blocking of the squid axon K+ channel by noxiustoxin: a toxin from the venom of the scorpion Centruroides noxius. *Pflugers Archiv European Journal of Physiology*, **1987**, 408, 423-31	4.6	52
127	Distinct potentiation of L-type currents and secretion by cAMP in rat chromaffin cells. *Biophysical Journal*, **2003**, 85, 1326-37	2.9	50
126	Sensitivity to dihydropyridines, omega-conotoxin and noradrenaline reveals multiple high-voltage-activated Ca2+ channels in rat insulinoma and human pancreatic beta-cells. *Pflugers Archiv European Journal of Physiology*, **1993**, 423, 462-71	4.6	50
125	Calcium channel subtypes controlling serotonin release from human small cell lung carcinoma cell lines.. *Journal of Biological Chemistry*, **1993**, 268, 26240-26247	5.4	50
124	Action of extracellular pH on Na+ and K+ membrane currents in the giant axon of Loligo vulgaris. *Journal of Membrane Biology*, **1978**, 43, 295-315	2.3	48
123	Calcium channel subtypes controlling serotonin release from human small cell lung carcinoma cell lines. *Journal of Biological Chemistry*, **1993**, 268, 26240-7	5.4	48
122	Multipotent mesenchymal stem cells from amniotic fluid originate neural precursors with functional voltage-gated sodium channels. *Cytotherapy*, **2009**, 11, 534-47	4.8	47
121	Voltage-independent autocrine modulation of L-type channels mediated by ATP, opioids and catecholamines in rat chromaffin cells. *European Journal of Neuroscience*, **1999**, 11, 3574-84	3.5	47
120	PDE type-4 inhibition increases L-type Ca(2+) currents, action potential firing, and quantal size of exocytosis in mouse chromaffin cells. *Pflugers Archiv European Journal of Physiology*, **2009**, 457, 1093-110	4.6	46
119	Ca(V)1.3-driven SK channel activation regulates pacemaking and spike frequency adaptation in mouse chromaffin cells. *Journal of Neuroscience*, **2012**, 32, 16345-59	6.6	46
118	Cellular adhesion and neuronal excitability on functionalised diamond surfaces. *Diamond and Related Materials*, **2005**, 14, 669-674	3.5	45
117	Low-threshold exocytosis induced by cAMP-recruited CaV3.2 (alpha1H) channels in rat chromaffin cells. *Biophysical Journal*, **2006**, 90, 1830-41	2.9	45
116	Direct autocrine inhibition and cAMP-dependent potentiation of single L-type Ca2+ channels in bovine chromaffin cells. *Journal of Physiology*, **2001**, 532, 73-90	3.9	45
115	The sodium channel and intracellular H+ blockage in squid axons. *Nature*, **1980**, 287, 62-3	50.4	44
114	Intracellular pH and ionic channels in the Loligo vulgaris giant axon. *Biophysical Journal*, **1981**, 35, 393-412	2.9	44
113	omega-Conotoxin-sensitive, voltage-operated Ca2+ channels in insulin-secreting cells. *European Journal of Pharmacology*, **1992**, 216, 407-14	5.3	43
112	Pyrimidine-2,4,6-triones are a new class of voltage-gated L-type Ca2+ channel activators. *Nature Communications*, **2014**, 5, 3897	17.4	41
111	A diamond-based biosensor for the recording of neuronal activity. *Biosensors and Bioelectronics*, **2009**, 24, 2046-50	11.8	41

110	Ca2+ and Na+ permeability of high-threshold Ca2+ channels and their voltage-dependent block by Mg2+ ions in chick sensory neurones. *Journal of Physiology*, **1997**, 504 (Pt 1), 1-15	3.9	40
109	Omega-conotoxin blockade distinguishes Ca from Na permeable states in neuronal calcium channels. *Pflugers Archiv European Journal of Physiology*, **1988**, 413, 14-22	4.6	40
108	G-protein- and cAMP-dependent L-channel gating modulation: a manyfold system to control calcium entry in neurosecretory cells. *Pflugers Archiv European Journal of Physiology*, **2001**, 442, 801-13	4.6	39
107	Voltage-dependent noradrenergic modulation of omega-conotoxin-sensitive Ca2+ channels in human neuroblastoma IMR32 cells. *Pflugers Archiv European Journal of Physiology*, **1992**, 422, 75-83	4.6	39
106	New 1,4-dihydropyridines endowed with NO-donor and calcium channel agonist properties. *Journal of Medicinal Chemistry*, **2004**, 47, 2688-93	8.3	38
105	Reduced availability of voltage-gated sodium channels by depolarization or blockade by tetrodotoxin boosts burst firing and catecholamine release in mouse chromaffin cells. *Journal of Physiology*, **2015**, 593, 905-27	3.9	37
104	T-type channel-mediated neurotransmitter release. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 677-87	4.6	36
103	Block of non-L-, non-N-type Ca2+ channels in rat insulinoma RINm5F cells by omega-agatoxin IVA and omega-conotoxin MVIIC. *Pflugers Archiv European Journal of Physiology*, **1995**, 429, 762-71	4.6	36
102	omega-Conotoxin and Cd2+ stimulate the recruitment to the plasmamembrane of an intracellular pool of voltage-operated Ca2+ channels. *Neuron*, **1994**, 12, 317-26	13.9	36
101	A new role for T-type channels in fast "low-threshold" exocytosis. *Cell Calcium*, **2006**, 40, 147-54	4	35
100	Direct and remote modulation of L-channels in chromaffin cells: distinct actions on alpha1C and alpha1D subunits?. *Molecular Neurobiology*, **2004**, 29, 73-96	6.2	34
99	Synthesis and voltage-clamp studies of methyl 1,4-dihydro-2, 6-dimethyl-5-nitro-4-(benzofurazanyl)pyridine-3-carboxylate racemates and enantiomers and of their benzofuroxanyl analogues. *Journal of Medicinal Chemistry*, **1999**, 42, 1422-7	8.3	34
98	Sodium channels in cultured chick dorsal root ganglion neurons. *European Biophysics Journal*, **1986**, 13, 259	1.9	34
97	Calcium channels in chromaffin cells: focus on L and T types. *Acta Physiologica*, **2008**, 192, 233-46	5.6	33
96	A new diamond biosensor with integrated graphitic microchannels for detecting quantal exocytic events from chromaffin cells. *Advanced Materials*, **2013**, 25, 4696-700	24	32
95	Cell-type-specific tuning of Cav1.3 Ca(2+)-channels by a C-terminal automodulatory domain. *Frontiers in Cellular Neuroscience*, **2015**, 9, 309	6.1	32
94	The effect of CdSe-ZnS quantum dots on calcium currents and catecholamine secretion in mouse chromaffin cells. *Biomaterials*, **2011**, 32, 9040-50	15.6	32
93	Spectral analysis of extrinsic fluorescence of the nerve membrane labeled with aminonaphthalene derivatives. *Biochimica Et Biophysica Acta - Biomembranes*, **1973**, 323, 220-33	3.8	32

92	Cav1.3 Channels as Key Regulators of Neuron-Like Firings and Catecholamine Release in Chromaffin Cells. *Current Molecular Pharmacology*, **2015**, 8, 149-61	3.7	31
91	Leptin counteracts the hypoxia-induced inhibition of spontaneously firing hippocampal neurons: a microelectrode array study. *PLoS ONE*, **2012**, 7, e41530	3.7	31
90	T-type channels-secretion coupling: evidence for a fast low-threshold exocytosis. *Pflugers Archiv European Journal of Physiology*, **2006**, 453, 373-83	4.6	31
89	Noradrenergic inhibition and voltage-dependent facilitation of omega-conotoxin-sensitive Ca channels in insulin-secreting RINm5F cells. *FEBS Letters*, **1991**, 281, 201-4	3.8	31
88	Inhibition of low- and high-threshold Ca2+ channels of human neuroblastoma IMR32 cells by Lambert-Eaton myasthenic syndrome (LEMS) IgGs. *Neuroscience Letters*, **1994**, 181, 50-6	3.3	29
87	Bud extracts from Tilia tomentosa Moench inhibit hippocampal neuronal firing through GABAA and benzodiazepine receptors activation. *Journal of Ethnopharmacology*, **2015**, 172, 288-96	5	28
86	Equal sensitivity of Cav1.2 and Cav1.3 channels to the opposing modulations of PKA and PKG in mouse chromaffin cells. *Journal of Physiology*, **2012**, 590, 5053-73	3.9	28
85	Microelectrode Arrays of Diamond-Insulated Graphitic Channels for Real-Time Detection of Exocytotic Events from Cultured Chromaffin Cells and Slices of Adrenal Glands. *Analytical Chemistry* , **2016**, 88, 7493-9	7.8	28
84	Calcium-dependent inhibition of T-type calcium channels by TRPV1 activation in rat sensory neurons. *Pflugers Archiv European Journal of Physiology*, **2011**, 462, 709-22	4.6	27
83	Activation of delta-opioid receptors inhibits neuronal-like calcium channels and distal steps of Ca(2+)-dependent secretion in human small-cell lung carcinoma cells. *Journal of Neuroscience*, **1996**, 16, 3672-84	6.6	27
82	Amino acid sequence and physiological characterization of toxins from the venom of the scorpion Centruroides limpidus tecomanus Hoffmann. *Toxicon*, **1988**, 26, 785-94	2.8	27
81	CaV1.3 as pacemaker channels in adrenal chromaffin cells: specific role on exo- and endocytosis?. *Channels*, **2010**, 4, 440-6	3	26
80	All-carbon multi-electrode array for real-time in vitro measurements of oxidizable neurotransmitters. *Scientific Reports*, **2016**, 6, 20682	4.9	25
79	Firing properties of entorhinal cortex neurons and early alterations in an Alzheimer's disease transgenic model. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 1437-50	4.6	25
78	Are Ca(v)1.3 pacemaker channels in chromaffin cells? Possible bias from resting cell conditions and DHP blockers usage. *Channels*, **2011**, 5, 219-24	3	25
77	Nicotinic receptors and calcium channels in small cell lung carcinoma. Functional role, modulation, and autoimmunity. *Annals of the New York Academy of Sciences*, **1998**, 841, 606-24	6.5	25
76	Heterogeneous distribution of exocytotic microdomains in adrenal chromaffin cells resolved by high-density diamond ultra-microelectrode arrays. *Journal of Physiology*, **2014**, 592, 3215-30	3.9	24
75	Multiple actions of Bay K 8644 on high-threshold Ca channels in adult rat sensory neurons. *Neuroscience Letters*, **1990**, 111, 315-20	3.3	24

74	Studies of calcium influx into squid giant axons with aequorin. *Journal of Cellular Physiology*, **1972**, 80, 219-26	7	24
73	Further studies of nerve membranes labeled with fluorescent probes. *Journal of Membrane Biology*, **1973**, 11, 353-76	2.3	24
72	Transparent diamond microelectrodes for biochemical application. *Diamond and Related Materials*, **2010**, 19, 1021-1026	3.5	23
71	Antagonists-resistant calcium currents in rat embryo motoneurons. *European Journal of Neuroscience*, **1998**, 10, 1810-25	3.5	23
70	Fast exocytosis mediated by T- and L-type channels in chromaffin cells: distinct voltage-dependence but similar Ca2+ -dependence. *European Biophysics Journal*, **2007**, 36, 753-62	1.9	23
69	Differential Roles for L-Type Calcium Channel Subtypes in Alcohol Dependence. *Neuropsychopharmacology*, **2017**, 42, 1058-1069	8.7	22
68	Cav1.3 and Cav1.2 channels of adrenal chromaffin cells: emerging views on cAMP/cGMP-mediated phosphorylation and role in pacemaking. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1608-18	3.8	22
67	Chromaffin Cells of the Adrenal Medulla: Physiology, Pharmacology, and Disease. *Comprehensive Physiology*, **2019**, 9, 1443-1502	7.7	21
66	Comparison of the effects of 9-tetrahydrocannabinol, 11-hydroxy- 9-tetrahydrocannabinol, and ethanol on the electrophysiological activity of the giant axon of the squid. *Neuropharmacology*, **1973**, 12, 601-5	5.5	21
65	Leptin-mediated ion channel regulation: PI3K pathways, physiological role, and therapeutic potential. *Channels*, **2016**, 10, 282-96	3	21
64	Low pH boosts burst firing and catecholamine release by blocking TASK-1 and BK channels while preserving Cav1 channels in mouse chromaffin cells. *Journal of Physiology*, **2017**, 595, 2587-2609	3.9	20
63	Development and characterization of a diamond-insulated graphitic multi electrode array realized with ion beam lithography. *Sensors*, **2014**, 15, 515-28	3.8	19
62	Functional chromaffin cell plasticity in response to stress: focus on nicotinic, gap junction, and voltage-gated Ca2+ channels. *Journal of Molecular Neuroscience*, **2012**, 48, 368-86	3.3	19
61	Planar Diamond-Based Multiarrays to Monitor Neurotransmitter Release and Action Potential Firing: New Perspectives in Cellular Neuroscience. *ACS Chemical Neuroscience*, **2017**, 8, 252-264	5.7	18
60	Selective up-regulation of P- and R-type Ca2+ channels in rat embryo motoneurons by BDNF. *European Journal of Neuroscience*, **1999**, 11, 1127-33	3.5	18
59	Isolation and characterization of two toxins from the Mexican scorpion Centruroides limpidus limpidus Karsch. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1988**, 89, 153-61		18
58	Roles of Na, Ca, and K channels in the generation of repetitive firing and rhythmic bursting in adrenal chromaffin cells. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 39-52	4.6	18
57	Quantal Release of Dopamine and Action Potential Firing Detected in Midbrain Neurons by Multifunctional Diamond-Based Microarrays. *Frontiers in Neuroscience*, **2019**, 13, 288	5.1	17

56	Progress in transparent diamond microelectrode arrays. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 2445-2453	1.6	17
55	Calcium-current facilitation in chromaffin cells. *Trends in Neurosciences*, **1996**, 19, 383-5	13.3	17
54	Voltage-dependent inhibition and facilitation of Ca channel activation by GTP-gamma-S and Ca-agonists in adult rat sensory neurons. *Neuroscience Letters*, **1991**, 123, 203-7	3.3	17
53	Depolarization-induced change in the enzymatic radio-iodination of a protein of the internal surface of the squid giant, axon membrane. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1974**, 47, 477-84		17
52	Altered excitability of cultured chromaffin cells following exposure to multi-walled carbon nanotubes. *Nanotoxicology*, **2012**, 6, 47-60	5.3	16
51	Down-regulation of non-L-, non-N-type (Q-like) Ca2+ channels by Lambert-Eaton myasthenic syndrome (LEMS) antibodies in rat insulinoma RINm5F cells. *FEBS Letters*, **1996**, 387, 47-52	3.8	16
50	Selective action of scorpion neurotoxins on the ionic currents of the squid giant axon. *Toxicon*, **1983** , 21, 57-60	2.8	16
49	Amazing T-type calcium channels: updating functional properties in health and disease. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 623-6	4.6	14
48	L-type channel inhibition by CB1 cannabinoid receptors is mediated by PTX-sensitive G proteins and cAMP/PKA in GT1-7 hypothalamic neurons. *Cell Calcium*, **2009**, 46, 303-12	4	13
47	Early Alterations of Hippocampal Neuronal Firing Induced by Abeta42. *Cerebral Cortex*, **2018**, 28, 433-446	5.1	13
46	Impaired chromaffin cell excitability and exocytosis in autistic Timothy syndrome TS2-neo mouse rescued by L-type calcium channel blockers. *Journal of Physiology*, **2019**, 597, 1705-1733	3.9	13
45	Nanodiamonds-induced effects on neuronal firing of mouse hippocampal microcircuits. *Scientific Reports*, **2018**, 8, 2221	4.9	12
44	Fabrication of a NCD microelectrode array for amperometric detection with micrometer spatial resolution. *Diamond and Related Materials*, **2011**, 20, 793-797	3.5	12
43	Modulation of acetylcholinesterase and voltage-gated Na(+) channels in choline acetyltransferase-transfected neuroblastoma clones. *Journal of Neurochemistry*, **2000**, 75, 1123-31	6	12
42	Neuronal calcium channels as target for Lambert-Eaton myasthenic syndrome autoantibodies. *Annals of the New York Academy of Sciences*, **1993**, 681, 373-81	6.5	12
41	Transparent microelectrode array in diamond technology. *Journal of Micro-Nano Mechatronics*, **2011**, 6, 33-37		11
40	Up-regulation of L- and non-L, non-N-type Ca2+ channels by basal and stimulated protein kinase C activation in insulin-secreting RINm5F cells. *FEBS Letters*, **1996**, 391, 189-94	3.8	11
39	A single non-L-, non-N-type Ca2+ channel in rat insulin-secreting RINm5F cells. *Pflugers Archiv European Journal of Physiology*, **1996**, 431, 341-52	4.6	11

38	Block of Na+ ion permeation and selectivity of Ca channels. *Annals of the New York Academy of Sciences*, **1989**, 560, 94-102	6.5	11
37	Cav1.2 channelopathies causing autism: new hallmarks on Timothy syndrome. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 775-789	4.6	10
36	Diamond microelectrodes arrays for the detection of secretory cell activity. *International Journal of Environmental Analytical Chemistry*, **2011**, 91, 150-160	1.8	10
35	Amyloid Beta42 oligomers up-regulate the excitatory synapses by potentiating presynaptic release while impairing postsynaptic NMDA receptors. *Journal of Physiology*, **2020**, 598, 2183-2197	3.9	9
34	Contribution of BK channels to action potential repolarisation at minimal cytosolic Ca2+ concentration in chromaffin cells. *Pflugers Archiv European Journal of Physiology*, **2011**, 462, 545-57	4.6	9
33	Antinociceptive activity of salmon calcitonin: electrophysiological correlates in a rat chronic pain model. *Neuroscience Letters*, **1993**, 151, 85-8	3.3	9
32	Removal of Na+ channels in squid giant axons by perfusion with trypsin. *Biochimica Et Biophysica Acta - Biomembranes*, **1982**, 693, 188-94	3.8	9
31	Micro graphite-patterned diamond sensors: Towards the simultaneous in vitro detection of molecular release and action potentials generation from excitable cells. *Carbon*, **2019**, 152, 424-433	10.4	8
30	Dual action of leptin on rest-firing and stimulated catecholamine release via phosphoinositide 3-kinase-driven BK channel up-regulation in mouse chromaffin cells. *Journal of Physiology*, **2015**, 593, 4835-53	3.9	8
29	Knock-down of synapsin alters cell excitability and action potential waveform by potentiating BK and voltage-gated Ca(2+) currents in Helix serotonergic neurons. *Neuroscience*, **2015**, 311, 430-43	3.9	8
28	More on calcium currents. *Trends in Neurosciences*, **1997**, 20, 448-50	13.3	8
27	Modulation of Ca channels in peripheral neurons. *Annals of the New York Academy of Sciences*, **1989**, 560, 346-57	6.5	8
26	High intracellular pH reversibly prevents gating-charge immobilization in squid axons. *Biophysical Journal*, **1983**, 44, 281-4	2.9	8
25	Fluorescence polarization studies of squid giant axons stained with N-methylanilinonaphthalenesulfonates. *Biophysics of Structure and Mechanism*, **1975**, 1, 221-37		7
24	p140Cap Regulates GABAergic Synaptogenesis and Development of Hippocampal Inhibitory Circuits. *Cerebral Cortex*, **2019**, 29, 91-105	5.1	6
23	Inhibition of catecholamine secretion by iron-rich and iron-deprived multiwalled carbon nanotubes in chromaffin cells. *NeuroToxicology*, **2013**, 39, 84-94	4.4	5
22	O2 sensing in chromaffin cells: new duties for T-type channels. *Journal of Physiology*, **2009**, 587, 1859-60	3.9	5
21	Action of Ca2+ agonists/antagonists in mammalian peripheral neurons. *Cell Biology International Reports*, **1989**, 13, 1155-64		5

20	Noradrenergic inhibition of presynaptic TRPV1 channels: a new pathway of pain control. *Journal of Physiology*, **2017**, 595, 2413-2414	3.9	4
19	Simultaneous multisite detection of quantal release from PC12 cells using micro graphitic-diamond multi electrode arrays. *Biophysical Chemistry*, **2019**, 253, 106241	3.5	4
18	Ion trafficking through T-type Ca2+ channels: a way to look at channel gating position. *Journal of General Physiology*, **2004**, 124, 619-22	3.4	4
17	Orientation and rotational freedom of fluorescent probes in lecithin bilayers. *Biophysics of Structure and Mechanism*, **1976**, 2, 251-66		4
16	Physico-chemical properties of 2,6-TNS binding sites in squid giant axons: involvement of water molecules in the excitation process. *Journal of Membrane Biology*, **1974**, 18, 263-76	2.3	4
15	Diamond-Based Multi Electrode Arrays for Monitoring Neurotransmitter Release. *Lecture Notes in Electrical Engineering*, **2019**, 125-134	0.2	3
14	Subconvulsant doses of pentylenetetrazol uncover the epileptic phenotype of cultured synapsin-deficient Helix serotonergic neurons in the absence of excitatory and inhibitory inputs. *Epilepsy Research*, **2016**, 127, 241-251	3	3
13	Sodium Currents Through Neuronal Calcium Channels: Kinetics and Sensitivity to Calcium Antagonists. *Aufk□ung Und Einwilligung Im Arztrecht, ESA*, **1988**, 115-127		3
12	Selective modification of the squid axon Na currents by Centruroides noxius toxin II-10. *Journal De Physiologie*, **1984**, 79, 179-84		2
11	Block of Sodium Currents Through a Neuronal Calcium Channel by External Calcium and Magnesium Ions. *Aufk□ung Und Einwilligung Im Arztrecht, ESA*, **1988**, 128-137		2
10	Commentary: ion channels, fusion pores and exocytosis. *Journal of Molecular Neuroscience*, **2012**, 48, 357-9	3.3	1
9	Activation of opioid receptors inhibits neuronal-like calcium channels, distal steps of secretion, and cell proliferation in human small cell lung carcinoma cells. *Annals of the New York Academy of Sciences*, **1998**, 841, 646-50	6.5	1
8	A Macromolecular Approach to Nerve Excitation. *Current Topics in Membranes and Transport*, **1974**, 5, 283-325		1
7	Low- and High-Voltage Activated Ca Channels in Vertebrate Cultured Neurons: Properties and Functions **1986**, 1-8		1
6	Action of Ca2+ agonists/antagonists in mammalian peripheral neurons **1990**, 175-184		1
5	Blockage of Neuronal Low-Threshold Ca2+ Channels by Extracellular Mg2+ **1991**, 97-104		1
4	Functional and Structural Constituents of Neuronal Ca2+ Channel Modulation by Neurotransmitters **1996**, 23-40		0
3	Early alterations of hippocampal gabaergic synaptic properties induced by A□2 oligomers. *Alzheimerls and Dementia*, **2020**, 16, e043482	1.2	

List of Publications

2 Voltage-Dependent Adrenergic Modulation of Ca Channels in Peripheral Neurons and Insulin-Secreting Cells **1992**, 161-172

1 Internal pH and K+ Channel Rate Constants **1980**, 15-23