

Oleg A Krishtal

List of Publications by Year in Descending Order

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

152
papers

6,349
citations

40
h-index

77
g-index

162
ext. papers

6,726
ext. citations

4.8
avg, IF

5.51
L-index

#	Paper	IF	Citations
152	Pharmacological Validation of ASIC1a as a Druggable Target for Neuroprotection in Cerebral Ischemia Using an Intravenously Available Small Molecule Inhibitor.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 849498	5.6	0
151	Mecamylamine inhibits seizure-like activity in CA1-CA3 hippocampus through antagonism to nicotinic receptors. <i>PLoS ONE</i> , 2021 , 16, e0240074	3.7	
150	Acid-Sensing Ion Channels: Focus on Physiological and Some Pathological Roles in the Brain. <i>Current Neuropharmacology</i> , 2021 , 19, 1570-1589	7.6	6
149	Bilirubin enhances the activity of ASIC channels to exacerbate neurotoxicity in neonatal hyperbilirubinemia in mice. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	5
148	Integration of energy homeostasis and stress by parvocellular neurons in rat hypothalamic paraventricular nucleus. <i>Journal of Physiology</i> , 2020 , 598, 1073-1092	3.9	3
147	Protein Kinase C Lambda Mediates Acid-Sensing Ion Channel 1a-Dependent Cortical Synaptic Plasticity and Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2019 , 39, 5773-5793	6.6	11
146	Inhibition of protease-activated receptor 1 ameliorates behavioral deficits and restores hippocampal synaptic plasticity in a rat model of status epilepticus. <i>Neuroscience Letters</i> , 2019 , 692, 64-68 ³³	3.3	11
145	Effects of protease-activated receptor 1 inhibition on anxiety and fear following status epilepticus. <i>Epilepsy and Behavior</i> , 2017 , 67, 66-69	3.2	11
144	Intra- and interregional coregulation of opioid genes: broken symmetry in spinal circuits. <i>FASEB Journal</i> , 2017 , 31, 1953-1963	0.9	15
143	Opioid precursor protein isoform is targeted to the cell nuclei in the human brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 246-255	4	5
142	A modulatory role of ASICs on GABAergic synapses in rat hippocampal cell cultures. <i>Molecular Brain</i> , 2016 , 9, 90	4.5	7
141	Acid-sensing ion channels regulate spontaneous inhibitory activity in the hippocampus: possible implications for epilepsy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	16
140	Acid-sensing ion channel 1a contributes to hippocampal LTP inducibility through multiple mechanisms. <i>Scientific Reports</i> , 2016 , 6, 23350	4.9	28
139	Molecular mechanism for opioid dichotomy: bidirectional effect of μ opioid receptors on P2X ₂ receptor currents in rat sensory neurones. <i>Purinergic Signalling</i> , 2015 , 11, 171-81	3.8	8
138	Downregulation of the endogenous opioid peptides in the dorsal striatum of human alcoholics. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 187	6.1	21
137	Novel Potent Orthosteric Antagonist of ASIC1a Prevents NMDAR-Dependent LTP Induction. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 4449-61	8.3	25
136	Plasma membrane poration by opioid neuropeptides: a possible mechanism of pathological signal transduction. <i>Cell Death and Disease</i> , 2015 , 6, e1683	9.8	10

135	Asymmetry of the endogenous opioid system in the human anterior cingulate: a putative molecular basis for lateralization of emotions and pain. <i>Cerebral Cortex</i> , 2015 , 25, 97-108	5.1	28
134	Receptor for protons: First observations on Acid Sensing Ion Channels. <i>Neuropharmacology</i> , 2015 , 94, 4-8	5.5	32
133	Persistent sodium current properties in hippocampal CA1 pyramidal neurons of young and adult rats. <i>Neuroscience Letters</i> , 2014 , 559, 30-3	3.3	8
132	Effect of of ATP on Neurons of the Rat Intact Nodose Ganglion. <i>Neurophysiology</i> , 2012 , 43, 432-436	0.6	1
131	Surface charge impact in low-magnesium model of seizure in rat hippocampus. <i>Journal of Neurophysiology</i> , 2012 , 107, 417-23	3.2	37
130	Is rapid effect of thyroxine on GABAergic IPSCs purely postsynaptic?. <i>Pharmacological Reports</i> , 2012 , 64, 1573-7	3.9	2
129	Non-opioid nociceptive activity of human dynorphin mutants that cause neurodegenerative disorder spinocerebellar ataxia type 23. <i>Peptides</i> , 2012 , 35, 306-10	3.8	11
128	Modulation of ATP-induced LTP by cannabinoid receptors in rat hippocampus. <i>Purinergic Signalling</i> , 2012 , 8, 705-13	3.8	6
127	Purinergic Membrane Receptors as Targets for the Effect of Purotoxin 1, a Component of Venom of Spiders from the Geolycosa Genus. <i>Neurophysiology</i> , 2011 , 42, 387-391	0.6	2
126	Extracellular cAMP inhibits P2X receptors in rat sensory neurones through G protein-mediated mechanism. <i>Acta Physiologica</i> , 2010 , 199, 199-204	5.6	3
125	Publisher's Note: Novel Mechanism for Temperature-Independent Transitions in Flexible Molecules: Role of Thermodynamic Fluctuations [Phys. Rev. Lett. 104, 178105 (2010)]. <i>Physical Review Letters</i> , 2010 , 104,	7.4	2
124	Novel mechanism for temperature-independent transitions in flexible molecules: role of thermodynamic fluctuations. <i>Physical Review Letters</i> , 2010 , 104, 178105	7.4	8
123	G-protein-independent modulation of P-type calcium channels by mu-opioids in Purkinje neurons of rat. <i>Neuroscience Letters</i> , 2010 , 480, 106-11	3.3	16
122	Novel peptide from spider venom inhibits P2X3 receptors and inflammatory pain. <i>Annals of Neurology</i> , 2010 , 67, 680-3	9.4	47
121	Adenosine Triphosphate (ATP) as a Neurotransmitter 2009 , 115-123		3
120	Purinoceptors on neuroglia. <i>Molecular Neurobiology</i> , 2009 , 39, 190-208	6.2	187
119	P2X receptors in sensory neurons co-cultured with cancer cells exhibit a decrease in opioid sensitivity. <i>European Journal of Neuroscience</i> , 2009 , 29, 76-86	3.5	15
118	P2X receptors and synaptic plasticity. <i>Neuroscience</i> , 2009 , 158, 137-48	3.9	124

117	P2X3 receptor gating near normal body temperature. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 456, 339-47	4.6	33
116	Increased temperature and acidosis effectively accelerate the recovery of P2X3 receptors from desensitization. <i>Neurophysiology</i> , 2007 , 39, 330-331	0.6	0
115	omega-Lsp-1A, a novel modulator of P-type Ca ²⁺ channels. <i>Toxicon</i> , 2007 , 50, 993-1004	2.8	25
114	Peripherally applied neuropeptide SF is equally algogenic in wild type and ASIC3 ^{-/-} mice. <i>Neuroscience Research</i> , 2006 , 55, 421-5	2.9	8
113	Modulation by redox reagents of ATP-activated currents in neurons of the rat nodose ganglion. <i>Neurophysiology</i> , 2006 , 38, 95-100	0.6	
112	Antioxidant-caused changes in the permeability of proton-gated ion channels for sodium and calcium. <i>Neurophysiology</i> , 2006 , 38, 158-162	0.6	2
111	The agonists for nociceptors are ubiquitous, but the modulators are specific: P2X receptors in the sensory neurons are modulated by cannabinoids. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 453, 353-60	4.6	17
110	From Galvani to patch clamp: the development of electrophysiology. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 453, 233-47	4.6	55
109	Opioids inhibit purinergic nociceptors in the sensory neurons and fibres of rat via a G protein-dependent mechanism. <i>Neuropharmacology</i> , 2005 , 48, 639-47	5.5	30
108	The beta subunit increases the ginkgolide B sensitivity of inhibitory glycine receptors. <i>Neuropharmacology</i> , 2005 , 49, 945-51	5.5	31
107	Acid sensing ionic channels: modulation by redox reagents. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005 , 1745, 1-6	4.9	43
106	Novel spider toxin slows down the activation kinetics of P-type Ca ²⁺ channels in Purkinje neurons of rat. <i>Toxicology</i> , 2005 , 207, 129-36	4.4	6
105	Responses Evoked in Afferent Fibers by Mechanostimulation of the Skin in vitro: Modulation by RFa-Like Peptides. <i>Neurophysiology</i> , 2005 , 37, 120-126	0.6	
104	Algogenic Peripheral Effects of RFa Peptides. <i>Neurophysiology</i> , 2005 , 37, 303-307	0.6	
103	RFa-related peptides are algogenic: evidence in vitro and in vivo. <i>European Journal of Neuroscience</i> , 2004 , 20, 1419-23	3.5	14
102	Modulatory action of RFamide-related peptides on acid-sensing ionic channels is pH dependent: the role of arginine. <i>Journal of Neurochemistry</i> , 2004 , 91, 252-5	6	23
101	Methyllycaconitine, alpha-bungarotoxin and (+)-tubocurarine block fast ATP-gated currents in rat dorsal root ganglion cells. <i>British Journal of Pharmacology</i> , 2004 , 142, 1227-32	8.6	8
100	Intracellular Na ⁺ inhibits voltage-dependent N-type Ca ²⁺ channels by a G protein betagamma subunit-dependent mechanism. <i>Journal of Physiology</i> , 2004 , 556, 121-34	3.9	24

99	Extrasynaptic NR2B and NR2D subunits of NMDA receptors shape 'superslow' afterburst EPSC in rat hippocampus. <i>Journal of Physiology</i> , 2004 , 558, 451-63	3.9	123
98	Protective cap over CA1 synapses: extrasynaptic glutamate does not reach the postsynaptic density. <i>Brain Research</i> , 2004 , 1011, 195-205	3.7	16
97	Therapeutic time window for the neuroprotective action of MK-801 after decapitation ischemia: hippocampal slice data. <i>Brain Research</i> , 2004 , 1017, 92-7	3.7	8
96	Ginkgolide B preferentially blocks chloride channels formed by heteromeric glycine receptors in hippocampal pyramidal neurons of rat. <i>Brain Research Bulletin</i> , 2004 , 63, 309-14	3.9	27
95	Post-synaptic N-methyl-d-aspartate signalling in hippocampal neurons of rat: spillover increases the impact of each spike in a short burst discharge. <i>Neuroscience Letters</i> , 2004 , 361, 60-3	3.3	8
94	Inhibition of hippocampal LTP by ginkgolide B is mediated by its blocking action on PAF rather than glycine receptors. <i>Neurochemistry International</i> , 2004 , 44, 171-7	4.4	20
93	pH Receptors: Peptides and Nociception. <i>Neurophysiology</i> , 2003 , 35, 208-216	0.6	
92	Distinct quantal features of AMPA and NMDA synaptic currents in hippocampal neurons: implication of glutamate spillover and receptor saturation. <i>Biophysical Journal</i> , 2003 , 85, 3375-87	2.9	39
91	The ASICs: signaling molecules? Modulators?. <i>Trends in Neurosciences</i> , 2003 , 26, 477-83	13.3	383
90	P2X receptor-mediated excitatory synaptic currents in somatosensory cortex. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 842-9	4.8	53
89	Ionotropic P2X purinoreceptors mediate synaptic transmission in rat pyramidal neurones of layer II/III of somato-sensory cortex. <i>Journal of Physiology</i> , 2002 , 542, 529-36	3.9	96
88	FMRFa-Related Endogenous Peptides Affect Proton-Activated Currents in Rat Trigeminal Neurons. <i>Neurophysiology</i> , 2002 , 34, 194-194	0.6	1
87	Na ⁺ Influx Inhibits Neuronal Ca ²⁺ Channels. <i>Neurophysiology</i> , 2002 , 34, 182-183	0.6	
86	Effects of Ginkgo Biloba Extract Constituents on Glycine-Activated Strychnine-Sensitive Receptors in Hippocampal Pyramidal Neurons of the Rat. <i>Neurophysiology</i> , 2002 , 34, 155-157	0.6	13
85	Glutamate Postsynaptic Receptors under the Cap: Strictly Limited Access to Receptors in the Postsynaptic Density by Non-Synaptically Released Glutamate. <i>Neurophysiology</i> , 2002 , 34, 102-105	0.6	
84	Modulation of GABA(A) receptor-mediated currents by benzophenone derivatives in isolated rat Purkinje neurones. <i>Neuropharmacology</i> , 2002 , 43, 764-77	5.5	4
83	BN52021, a platelet activating factor antagonist, is a selective blocker of glycine-gated chloride channel. <i>Neurochemistry International</i> , 2002 , 40, 647-53	4.4	51
82	Role for P2X receptors in long-term potentiation. <i>Journal of Neuroscience</i> , 2002 , 22, 8363-9	6.6	118

81	Effects of Long-Term Hypoxia/Hypoglycemia on Synaptic Transmission between the CA3 and CA1 Zones in Rat Hippocampal Slices. <i>Neurophysiology</i> , 2001 , 33, 365-371	0.6	2
80	Modulating Action of Hyperforin on the P-Type Calcium Channels in the Membranes of Rat Cerebellar Purkinje Neurons. <i>Neurophysiology</i> , 2001 , 33, 5-10	0.6	2
79	Heterogeneity of the functional expression of P2X3 and P2X2/3 receptors in the primary nociceptive neurons of rat. <i>Neurochemical Research</i> , 2001 , 26, 993-1000	4.6	22
78	Preconditioning by motor activity protects rat hippocampal CA1 neurons against prolonged ischemia. <i>Brain Research</i> , 2001 , 888, 326-329	3.7	3
77	Modulation of GABAA receptor-mediated currents by phenazepam and its metabolites. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2001 , 364, 1-8	3.4	10
76	Omega-conotoxin GVIA potently inhibits the currents mediated by P2X receptors in rat DRG neurons. <i>Brain Research Bulletin</i> , 2001 , 54, 507-12	3.9	29
75	New channel blocker BIIA388CL blocks delayed rectifier, but not A-type potassium current in central neurons. <i>Neuropharmacology</i> , 2001 , 40, 233-41	5.5	6
74	Inhibitory action of ambocarb on voltage-operated sodium channels in rat isolated hippocampal pyramidal neurons. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000 , 27, 46-54	3	3
73	Electrical responses in hippocampal slices after prolonged global ischemia: effects of neuroprotectors. <i>Brain Research</i> , 2000 , 863, 66-70	3.7	3
72	Hyperforin modulates gating of P-type Ca ²⁺ current in cerebellar Purkinje neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 440, 427-34	4.6	25
71	Enhancement of glutamate release uncovers spillover-mediated transmission by N-methyl-D-aspartate receptors in the rat hippocampus. <i>Neuroscience</i> , 1999 , 91, 1321-30	3.9	59
70	The mechanism gated by external potassium and sodium controls the resting conductance in hippocampal and cortical neurons. <i>Neuroscience</i> , 1999 , 92, 1231-42	3.9	6
69	Hyperforin attenuates various ionic conductance mechanisms in the isolated hippocampal neurons of rat. <i>Life Sciences</i> , 1999 , 65, 2395-405	6.8	48
68	ATP receptor-mediated component of the excitatory synaptic transmission in the hippocampus. <i>Progress in Brain Research</i> , 1999 , 120, 237-49	2.9	38
67	A purinergic component of the excitatory postsynaptic current mediated by P2X receptors in the CA1 neurons of the rat hippocampus. <i>European Journal of Neuroscience</i> , 1998 , 10, 3898-902	3.5	158
66	The putative cognitive enhancer KA-672.HCl is an uncompetitive voltage-dependent NMDA receptor antagonist. <i>NeuroReport</i> , 1998 , 9, 4193-7	1.7	9
65	Kava extract ingredients, (+)-methysticin and (+/-)-kavain inhibit voltage-operated Na ⁽⁺⁾ -channels in rat CA1 hippocampal neurons. <i>Neuroscience</i> , 1997 , 81, 345-51	3.9	43
64	NMDA receptor-mediated synapses between CA1 neurones: activation by ischaemia. <i>NeuroReport</i> , 1996 , 7, 2679-82	1.7	10

63	Comparative patch-clamp studies with freshly dissociated rat hippocampal and striatal neurons on the NMDA receptor antagonistic effects of amantadine and memantine. <i>European Journal of Neuroscience</i> , 1996 , 8, 446-54	3.5	93
62	Modulation of excitatory synaptic transmission by adenosine: Possibility of interaction with Ca-delivering machinery. <i>Neurophysiology</i> , 1995 , 26, 26-28	0.6	
61	A1 adenosine receptors differentially regulate the N-methyl-D-aspartate and non-N-methyl-D-aspartate receptor-mediated components of hippocampal excitatory postsynaptic current in a Ca ²⁺ /Mg ²⁺ -dependent manner. <i>Neuroscience</i> , 1995 , 65, 947-53	3.9	28
60	Capsaicin blocks Ca ²⁺ channels in isolated rat trigeminal and hippocampal neurones. <i>NeuroReport</i> , 1995 , 6, 2338-40	1.7	21
59	Modulatory effects of diadenosine polyphosphates on different types of calcium channels in the rat central neurons. <i>Neurophysiology</i> , 1994 , 26, 334-340	0.6	1
58	Modulation by diadenosine polyphosphates of synaptic transmission in the hippocampus. <i>Neurophysiology</i> , 1994 , 26, 347-349	0.6	
57	Persistently enhanced ratio of NMDA and non-NMDA components of rat hippocampal EPSC after block of A1 adenosine receptors at increased [Ca ²⁺] _o /[Mg ²⁺] _o . <i>Neuroscience Letters</i> , 1994 , 179, 132-6	3.3	10
56	Possible functional role of diadenosine polyphosphates: negative feedback for excitation in hippocampus. <i>Neuroscience</i> , 1994 , 58, 235-6	3.9	48
55	R56865 and flunarizine as Na ⁽⁺⁾ -channel blockers in isolated Purkinje neurons of rat cerebellum. <i>Neuroscience</i> , 1993 , 54, 575-85	3.9	28
54	Glutamate and theta-rhythm stimulation selectively enhance NMDA component of EPSC in CA1 neurons of young rats. <i>Neuroscience Letters</i> , 1993 , 151, 29-32	3.3	6
53	R56865 as Ca ⁽²⁺⁾ -channel blocker in Purkinje neurons of rat: comparison with flunarizine and nimodipine. <i>Neuroscience</i> , 1993 , 54, 587-94	3.9	22
52	Glutamate induces long-term increase in the frequency of single N-methyl-D-aspartate channel openings in hippocampal CA1 neurons examined in situ. <i>Neuroscience</i> , 1993 , 54, 557-9	3.9	5
51	Two types of steady-state desensitization of N-methyl-D-aspartate receptor in isolated hippocampal neurones of rat. <i>Journal of Physiology</i> , 1992 , 448, 453-72	3.9	21
50	A highly potent and selective N-methyl-D-aspartate receptor antagonist from the venom of the <i>Agelenopsis aperta</i> spider. <i>Neuroscience</i> , 1992 , 51, 11-8	3.9	14
49	Adenosine-dependent enhancement by methylxanthines of excitatory synaptic transmission in hippocampus of rats. <i>Neuroscience Letters</i> , 1992 , 135, 10-2	3.3	31
48	Trans-ACPD selectively inhibits excitability of hippocampal CA1 neurones. <i>European Journal of Pharmacology</i> , 1992 , 212, 305-6	5.3	7
47	Synaptic transmission in slices of rat hippocampus using a modified voltage clamp technique. <i>Neurophysiology</i> , 1992 , 23, 544-550	0.6	
46	A novel selective NMDA agonist, N-phthalamoyl-L-glutamic acid (PhGA). <i>NeuroReport</i> , 1991 , 2, 29-32	1.7	7

45	NMDA receptor agonists selectively block N-type calcium channels in hippocampal neurons. <i>Nature</i> , 1991 , 349, 418-20	50.4	60
44	Cross-desensitization Reveals Pharmacological Specificity of Excitatory Amino Acid Receptors in Isolated Hippocampal Neurons. <i>European Journal of Neuroscience</i> , 1990 , 2, 461-470	3.5	46
43	The proton-activated inward current of rat sensory neurons includes a calcium component. <i>Neuroscience Letters</i> , 1990 , 115, 237-42	3.3	46
42	Desensitization of NMDA receptors does not proceed in the presence of kynurenate. <i>Neuroscience Letters</i> , 1990 , 108, 88-92	3.3	9
41	Inhibitions of the GABA-induced currents of rat neurons by the alkaloid isocoryne from the plant <i>Corydalis pseudoadunca</i> . <i>Toxicon</i> , 1990 , 28, 727-30	2.8	4
40	Interaction between pentobarbital and GABA-activated ionic channels in rat cerebellar neurons. <i>Neurophysiology</i> , 1990 , 22, 77-81	0.6	
39	Blocking action of <i>Nephila clavata</i> spider toxin on ionic currents activated by glutamate and its agonists in isolated hippocampal neurons. <i>Neurophysiology</i> , 1989 , 21, 110-116	0.6	3
38	Glycine action on N-methyl-D-aspartate receptors in rat hippocampal neurons. <i>Neuroscience Letters</i> , 1989 , 99, 131-6	3.3	33
37	Hippocampal synaptic plasticity induced by excitatory amino acids includes changes in sensitivity to the calcium channel blocker, omega-conotoxin. <i>Neuroscience Letters</i> , 1989 , 102, 197-204	3.3	24
36	Blockade of N-methyl-D-aspartate response in enzyme-treated rat hippocampal neurons. <i>Neuroscience Letters</i> , 1988 , 87, 75-9	3.3	51
35	Changes in the state of the excitatory synaptic system in the hippocampus on prolonged exposure to excitatory amino acids and antagonists. <i>Neuroscience Letters</i> , 1988 , 85, 82-8	3.3	13
34	Receptors for ATP in rat sensory neurones: the structure-function relationship for ligands. <i>British Journal of Pharmacology</i> , 1988 , 95, 1057-62	8.6	80
33	Properties of glycine-activated conductances in rat brain neurones. <i>Neuroscience Letters</i> , 1988 , 84, 271-6	3.3	76
32	Cationic channels activated by extracellular ATP in rat sensory neurons. <i>Neuroscience</i> , 1988 , 27, 995-1000	0.9	149
31	Spider toxin blocks excitatory amino acid responses in isolated hippocampal pyramidal neurons. <i>Neuroscience Letters</i> , 1987 , 79, 326-30	3.3	57
30	Rapid extracellular pH transients related to synaptic transmission in rat hippocampal slices. <i>Brain Research</i> , 1987 , 436, 352-6	3.7	145
29	'Concentration-clamp' study of gamma-aminobutyric-acid-induced chloride current kinetics in frog sensory neurones. <i>Journal of Physiology</i> , 1986 , 379, 171-85	3.9	197
28	Rapid pH changes associated with synaptic transmission in isolated mammalian hippocampal slices. <i>Bulletin of Experimental Biology and Medicine</i> , 1986 , 101, 707-710	0.8	

27	Excitatory amino acid receptors in hippocampal neurons: kainate fails to desensitize them. <i>Neuroscience Letters</i> , 1986 , 63, 225-30	3.3	255
26	Are sulfhydryl groups essential for function of the glutamate-operated receptor-ionophore complex?. <i>Neuroscience Letters</i> , 1986 , 66, 305-10	3.3	32
25	ATP-activated ionic conductance in the somatic membrane of mammalian sensory ganglionic neurons. <i>Neurophysiology</i> , 1985 , 16, 255-263	0.6	1
24	Steady-state characteristics of the proton receptor in the somatic membrane of rat sensory neurons. <i>Neurophysiology</i> , 1984 , 15, 469-474	0.6	
23	Receptor for ATP in the membrane of mammalian sensory neurones. <i>Neuroscience Letters</i> , 1983 , 35, 41-5.3	3.3	313
22	The transmembrane gradient of osmotic pressure modifies the kinetics of sodium currents in perfused neurons. <i>Experientia</i> , 1983 , 39, 494-5		2
21	Receptor for protons in the membrane of sensory neurons. <i>Brain Research</i> , 1981 , 214, 150-4	3.7	74
20	A "receptor" for protons in small neurons of trigeminal ganglia: possible role in nociception. <i>Neuroscience Letters</i> , 1981 , 24, 243-6	3.3	50
19	A receptor for protons in the membrane of sensory neurons may participate in nociception. <i>Neuroscience</i> , 1981 , 6, 2599-601	3.9	161
18	Intracellular perfusion. <i>Journal of Neuroscience Methods</i> , 1981 , 4, 201-10	3	35
17	Calcium inward current and related charge movements in the membrane of snail neurones. <i>Journal of Physiology</i> , 1981 , 310, 403-21	3.9	85
16	Conductance of the calcium channel in the membrane of snail neurones. <i>Journal of Physiology</i> , 1981 , 310, 423-34	3.9	39
15	337 - Properties of single calcium channels in the neuronal membrane. <i>Bioelectrochemistry</i> , 1980 , 7, 195-207		6
14	A receptor for protons in the nerve cell membrane. <i>Neuroscience</i> , 1980 , 5, 2325-7	3.9	440
13	Ionic currents in the neuroblastoma cell membrane. <i>Neuroscience</i> , 1978 , 3, 327-32	3.9	37
12	Effects of calcium and calcium-chelating agents on the inward and outward current in the membrane of mollusc neurones. <i>Journal of Physiology</i> , 1977 , 270, 569-80	3.9	234
11	Separation of sodium and calcium currents in the somatic membrane of mollusc neurones. <i>Journal of Physiology</i> , 1977 , 270, 545-68	3.9	312
10	Asymmetrical displacement currents in nerve cell membrane and effect of internal fluoride. <i>Nature</i> , 1977 , 267, 70-2	50.4	59

9	Outward currents in the nerve cell membrane. <i>Bioelectrochemistry</i> , 1976 , 3, 319-327		1
8	Effect of internal fluoride and phosphate on membrane currents during intracellular dialysis of nerve cells. <i>Nature</i> , 1975 , 257, 691-3	50.4	213
7	Outward currents in isolated snail neurones ^{III} . Effect of verapamil. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1975 , 51, 269-274		3
6	Outward currents in isolated snail neurones ^{II} . Effect of TEA. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1975 , 51, 265-268		2
5	Outward currents in isolated snail neurones ^I . Inactivation kinetics. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1975 , 51, 259-263		6
4	Calcium currents in snail neurones. I. Identification of calcium current. <i>Pflugers Archiv European Journal of Physiology</i> , 1974 , 348, 83-93	4.6	64
3	Calcium currents in snail neurones. II. The effect of external calcium concentration on the calcium inward current. <i>Pflugers Archiv European Journal of Physiology</i> , 1974 , 348, 95-104	4.6	33
2	Potential-dependent membrane current during the active transport of ions in snail neurones. <i>Journal of Physiology</i> , 1972 , 226, 373-92	3.9	38
1	Calcium ions as inward current carriers in mollusc neurones. <i>Comparative Biochemistry and Physiology</i> , 1970 , 35, 857-66		44