Oleg A Krishtal

List of Publications by Citations

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	A receptor for protons in the nerve cell membrane. *Neuroscience*, **1980**, 5, 2325-7	3.9	440
151	The ASICs: signaling molecules? Modulators?. *Trends in Neurosciences*, **2003**, 26, 477-83	13.3	383
150	Receptor for ATP in the membrane of mammalian sensory neurones. *Neuroscience Letters*, **1983**, 35, 41-5	3.3	313
149	Separation of sodium and calcium currents in the somatic membrane of mollusc neurones. *Journal of Physiology*, **1977**, 270, 545-68	3.9	312
148	Excitatory amino acid receptors in hippocampal neurons: kainate fails to desensitize them. *Neuroscience Letters*, **1986**, 63, 225-30	3.3	255
147	Effects of calcium and calcium-chelating agents on the inward and outward current in the membrane of mollusc neurones. *Journal of Physiology*, **1977**, 270, 569-80	3.9	234
146	Effect of internal fluoride and phosphate on membrane currents during intracellular dialysis of nerve cells. *Nature*, **1975**, 257, 691-3	50.4	213
145	'Concentration-clamp' study of gamma-aminobutyric-acid-induced chloride current kinetics in frog sensory neurones. *Journal of Physiology*, **1986**, 379, 171-85	3.9	197
144	Purinoceptors on neuroglia. *Molecular Neurobiology*, **2009**, 39, 190-208	6.2	187
143	A receptor for protons in the membrane of sensory neurons may participate in nociception. *Neuroscience*, **1981**, 6, 2599-601	3.9	161
142	A purinergic component of the excitatory postsynaptic current mediated by P2X receptors in the CA1 neurons of the rat hippocampus. *European Journal of Neuroscience*, **1998**, 10, 3898-902	3.5	158
141	Cationic channels activated by extracellular ATP in rat sensory neurons. *Neuroscience*, **1988**, 27, 995-1000	3.9	149
140	Rapid extracellular pH transients related to synaptic transmission in rat hippocampal slices. *Brain Research*, **1987**, 436, 352-6	3.7	145
139	P2X receptors and synaptic plasticity. *Neuroscience*, **2009**, 158, 137-48	3.9	124
138	Extrasynaptic NR2B and NR2D subunits of NMDA receptors shape 'superslow' afterburst EPSC in rat hippocampus. *Journal of Physiology*, **2004**, 558, 451-63	3.9	123
137	Role for P2X receptors in long-term potentiation. *Journal of Neuroscience*, **2002**, 22, 8363-9	6.6	118
136	Ionotropic P2X purinoreceptors mediate synaptic transmission in rat pyramidal neurones of layer II/III of somato-sensory cortex. *Journal of Physiology*, **2002**, 542, 529-36	3.9	96

135	Comparative patch-clamp studies with freshly dissociated rat hippocampal and striatal neurons on the NMDA receptor antagonistic effects of amantadine and memantine. *European Journal of Neuroscience*, **1996**, 8, 446-54	3.5	93
134	Calcium inward current and related charge movements in the membrane of snail neurones. *Journal of Physiology*, **1981**, 310, 403-21	3.9	85
133	Receptors for ATP in rat sensory neurones: the structure-function relationship for ligands. *British Journal of Pharmacology*, **1988**, 95, 1057-62	8.6	80
132	Properties of glycine-activated conductances in rat brain neurones. *Neuroscience Letters*, **1988**, 84, 271-6	3.3	76
131	Receptor for protons in the membrane of sensory neurons. *Brain Research*, **1981**, 214, 150-4	3.7	74
130	Calcium currents in snail neurones. I. Identification of calcium current. *Pflugers Archiv European Journal of Physiology*, **1974**, 348, 83-93	4.6	64
129	NMDA receptor agonists selectively block N-type calcium channels in hippocampal neurons. *Nature*, **1991**, 349, 418-20	50.4	60
128	Enhancement of glutamate release uncovers spillover-mediated transmission by N-methyl-D-aspartate receptors in the rat hippocampus. *Neuroscience*, **1999**, 91, 1321-30	3.9	59
127	Asymmetrical displacement currents in nerve cell membrane and effect of internal fluoride. *Nature*, **1977**, 267, 70-2	50.4	59
126	Spider toxin blocks excitatory amino acid responses in isolated hippocampal pyramidal neurons. *Neuroscience Letters*, **1987**, 79, 326-30	3.3	57
125	From Galvani to patch clamp: the development of electrophysiology. *Pflugers Archiv European Journal of Physiology*, **2006**, 453, 233-47	4.6	55
124	P2X receptor-mediated excitatory synaptic currents in somatosensory cortex. *Molecular and Cellular Neurosciences*, **2003**, 24, 842-9	4.8	53
123	BN52021, a platelet activating factor antagonist, is a selective blocker of glycine-gated chloride channel. *Neurochemistry International*, **2002**, 40, 647-53	4.4	51
122	Blockade of N-methyl-D-aspartate response in enzyme-treated rat hippocampal neurons. *Neuroscience Letters*, **1988**, 87, 75-9	3.3	51
121	A "receptor" for protons in small neurons of trigeminal ganglia: possible role in nociception. *Neuroscience Letters*, **1981**, 24, 243-6	3.3	50
120	Hyperforin attenuates various ionic conductance mechanisms in the isolated hippocampal neurons of rat. *Life Sciences*, **1999**, 65, 2395-405	6.8	48
119	Possible functional role of diadenosine polyphosphates: negative feedback for excitation in hippocampus. *Neuroscience*, **1994**, 58, 235-6	3.9	48
118	Novel peptide from spider venom inhibits P2X3 receptors and inflammatory pain. *Annals of Neurology*, **2010**, 67, 680-3	9.4	47

117	Cross-desensitization Reveals Pharmacological Specificity of Excitatory Amino Acid Receptors in Isolated Hippocampal Neurons. *European Journal of Neuroscience*, **1990**, 2, 461-470	3.5	46
116	The proton-activated inward current of rat sensory neurons includes a calcium component. *Neuroscience Letters*, **1990**, 115, 237-42	3.3	46
115	Calcium ions as inward current carriers in mollusc neurones. *Comparative Biochemistry and Physiology*, **1970**, 35, 857-66		44
114	Kava extract ingredients, (+)-methysticin and (+/-)-kavain inhibit voltage-operated Na(+)-channels in rat CA1 hippocampal neurons. *Neuroscience*, **1997**, 81, 345-51	3.9	43
113	Acid sensing ionic channels: modulation by redox reagents. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2005**, 1745, 1-6	4.9	43
112	Distinct quantal features of AMPA and NMDA synaptic currents in hippocampal neurons: implication of glutamate spillover and receptor saturation. *Biophysical Journal*, **2003**, 85, 3375-87	2.9	39
111	Conductance of the calcium channel in the membrane of snail neurones. *Journal of Physiology*, **1981** , 310, 423-34	3.9	39
110	ATP receptor-mediated component of the excitatory synaptic transmission in the hippocampus. *Progress in Brain Research*, **1999**, 120, 237-49	2.9	38
109	Potential-dependent membrane current during the active transport of ions in snail neurones. *Journal of Physiology*, **1972**, 226, 373-92	3.9	38
108	Surface charge impact in low-magnesium model of seizure in rat hippocampus. *Journal of Neurophysiology*, **2012**, 107, 417-23	3.2	37
107	Ionic currents in the neuroblastoma cell membrane. *Neuroscience*, **1978**, 3, 327-32	3.9	37
106	Intracellular perfusion. *Journal of Neuroscience Methods*, **1981**, 4, 201-10	3	35
105	P2X3 receptor gating near normal body temperature. *Pflugers Archiv European Journal of Physiology*, **2008**, 456, 339-47	4.6	33
104	Glycine action on N-methyl-D-aspartate receptors in rat hippocampal neurons. *Neuroscience Letters*, **1989**, 99, 131-6	3.3	33
103	Calcium currents in snail neurones. II. The effect of external calcium concentration on the calcium inward current. *Pflugers Archiv European Journal of Physiology*, **1974**, 348, 95-104	4.6	33
102	Receptor for protons: First observations on Acid Sensing Ion Channels. *Neuropharmacology*, **2015**, 94, 4-8	5.5	32
101	Are sulfhydryl groups essential for function of the glutamate-operated receptor-ionophore complex?. *Neuroscience Letters*, **1986**, 66, 305-10	3.3	32
100	The beta subunit increases the ginkgolide B sensitivity of inhibitory glycine receptors. *Neuropharmacology*, **2005**, 49, 945-51	5.5	31

99	Adenosine-dependent enhancement by methylxanthines of excitatory synaptic transmission in hippocampus of rats. *Neuroscience Letters*, **1992**, 135, 10-2	3.3	31
98	Opioids inhibit purinergic nociceptors in the sensory neurons and fibres of rat via a G protein-dependent mechanism. *Neuropharmacology*, **2005**, 48, 639-47	5.5	30
97	Omega-conotoxin GVIA potently inhibits the currents mediated by P2X receptors in rat DRG neurons. *Brain Research Bulletin*, **2001**, 54, 507-12	3.9	29
96	Asymmetry of the endogenous opioid system in the human anterior cingulate: a putative molecular basis for lateralization of emotions and pain. *Cerebral Cortex*, **2015**, 25, 97-108	5.1	28
95	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 Ca2+/Mg(2+)-dependent manner. *Neuroscience*, **1995**, 65, 947-53	3.9	28
94	R56865 and flunarizine as Na(+)-channel blockers in isolated Purkinje neurons of rat cerebellum. *Neuroscience*, **1993**, 54, 575-85	3.9	28
93	Acid-sensing ion channel 1a contributes to hippocampal LTP inducibility through multiple mechanisms. *Scientific Reports*, **2016**, 6, 23350	4.9	28
92	Ginkgolide B preferentially blocks chloride channels formed by heteromeric glycine receptors in hippocampal pyramidal neurons of rat. *Brain Research Bulletin*, **2004**, 63, 309-14	3.9	27
91	Novel Potent Orthosteric Antagonist of ASIC1a Prevents NMDAR-Dependent LTP Induction. *Journal of Medicinal Chemistry*, **2015**, 58, 4449-61	8.3	25
90	omega-Lsp-IA, a novel modulator of P-type Ca2+ channels. *Toxicon*, **2007**, 50, 993-1004	2.8	25
89	Hyperforin modulates gating of P-type Ca2+ current in cerebellar Purkinje neurons. *Pflugers Archiv European Journal of Physiology*, **2000**, 440, 427-34	4.6	25
88	Intracellular Na+ inhibits voltage-dependent N-type Ca2+ channels by a G protein betagamma subunit-dependent mechanism. *Journal of Physiology*, **2004**, 556, 121-34	3.9	24
87	Hippocampal synaptic plasticity induced by excitatory amino acids includes changes in sensitivity to the calcium channel blocker, omega-conotoxin. *Neuroscience Letters*, **1989**, 102, 197-204	3.3	24
86	Modulatory action of RFamide-related peptides on acid-sensing ionic channels is pH dependent: the role of arginine. *Journal of Neurochemistry*, **2004**, 91, 252-5	6	23
85	Heterogeneity of the functional expression of P2X3 and P2X2/3 receptors in the primary nociceptive neurons of rat. *Neurochemical Research*, **2001**, 26, 993-1000	4.6	22
84	R56865 as Ca(2+)-channel blocker in Purkinje neurons of rat: comparison with flunarizine and nimodipine. *Neuroscience*, **1993**, 54, 587-94	3.9	22
83	Downregulation of the endogenous opioid peptides in the dorsal striatum of human alcoholics. *Frontiers in Cellular Neuroscience*, **2015**, 9, 187	6.1	21
82	Capsaicin blocks Ca2+ channels in isolated rat trigeminal and hippocampal neurones. *NeuroReport*, **1995**, 6, 2338-40	1.7	21

81	Two types of steady-state desensitization of N-methyl-D-aspartate receptor in isolated hippocampal neurones of rat. *Journal of Physiology*, **1992**, 448, 453-72	3.9	21
80	Inhibition of hippocampal LTP by ginkgolide B is mediated by its blocking action on PAF rather than glycine receptors. *Neurochemistry International*, **2004**, 44, 171-7	4.4	20
79	The agonists for nociceptors are ubiquitous, but the modulators are specific: P2X receptors in the sensory neurons are modulated by cannabinoids. *Pflugers Archiv European Journal of Physiology*, **2006**, 453, 353-60	4.6	17
78	G-protein-independent modulation of P-type calcium channels by mu-opioids in Purkinje neurons of rat. *Neuroscience Letters*, **2010**, 480, 106-11	3.3	16
77	Protective cap over CA1 synapses: extrasynaptic glutamate does not reach the postsynaptic density. *Brain Research*, **2004**, 1011, 195-205	3.7	16
76	Acid-sensing ion channels regulate spontaneous inhibitory activity in the hippocampus: possible implications for epilepsy. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	16
75	Intra- and interregional coregulation of opioid genes: broken symmetry in spinal circuits. *FASEB Journal*, **2017**, 31, 1953-1963	0.9	15
74	P2X receptors in sensory neurons co-cultured with cancer cells exhibit a decrease in opioid sensitivity. *European Journal of Neuroscience*, **2009**, 29, 76-86	3.5	15
73	RFa-related peptides are algogenic: evidence in vitro and in vivo. *European Journal of Neuroscience*, **2004**, 20, 1419-23	3.5	14
72	A highly potent and selective N-methyl-D-aspartate receptor antagonist from the venom of the Agelenopsis aperta spider. *Neuroscience*, **1992**, 51, 11-8	3.9	14
71	Effects of Ginkgo Biloba Extract Constituents on Glycine-Activated Strychnine-Sensitive Receptors in Hippocampal Pyramidal Neurons of the Rat. *Neurophysiology*, **2002**, 34, 155-157	0.6	13
70	Changes in the state of the excitatory synaptic system in the hippocampus on prolonged exposure to excitatory amino acids and antagonists. *Neuroscience Letters*, **1988**, 85, 82-8	3.3	13
69	Effects of protease-activated receptor 1 inhibition on anxiety and fear following status epilepticus. *Epilepsy and Behavior*, **2017**, 67, 66-69	3.2	11
68	Protein Kinase C Lambda Mediates Acid-Sensing Ion Channel 1a-Dependent Cortical Synaptic Plasticity and Pain Hypersensitivity. *Journal of Neuroscience*, **2019**, 39, 5773-5793	6.6	11
67	Non-opioid nociceptive activity of human dynorphin mutants that cause neurodegenerative disorder spinocerebellar ataxia type 23. *Peptides*, **2012**, 35, 306-10	3.8	11
66	Inhibition of protease-activated receptor 1 ameliorates behavioral deficits and restores hippocampal synaptic plasticity in a rat model of status epilepticus. *Neuroscience Letters*, **2019**, 692, 64-68	3.3	11
65	Plasma membrane poration by opioid neuropeptides: a possible mechanism of pathological signal transduction. *Cell Death and Disease*, **2015**, 6, e1683	9.8	10
64	Modulation of GABAA receptor-mediated currents by phenazepam and its metabolites. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2001**, 364, 1-8	3.4	10

63	NMDA receptor-mediated synapses between CA1 neurones: activation by ischaemia. *NeuroReport*, **1996**, 7, 2679-82	1.7	10
62	Persistently enhanced ratio of NMDA and non-NMDA components of rat hippocampal EPSC after block of A1 adenosine receptors at increased [Ca2+]o/[Mg2+]o. *Neuroscience Letters*, **1994**, 179, 132-6	3.3	10
61	The putative cognitive enhancer KA-672.HCl is an uncompetitive voltage-dependent NMDA receptor antagonist. *NeuroReport*, **1998**, 9, 4193-7	1.7	9
60	Desensitization of NMDA receptors does not proceed in the presence of kynurenate. *Neuroscience Letters*, **1990**, 108, 88-92	3.3	9
59	Molecular mechanism for opioid dichotomy: bidirectional effect of Ebpioid receptors on P2X receptor currents in rat sensory neurones. *Purinergic Signalling*, **2015**, 11, 171-81	3.8	8
58	Persistent sodium current properties in hippocampal CA1 pyramidal neurons of young and adult rats. *Neuroscience Letters*, **2014**, 559, 30-3	3.3	8
57	Novel mechanism for temperature-independent transitions in flexible molecules: role of thermodynamic fluctuations. *Physical Review Letters*, **2010**, 104, 178105	7.4	8
56	Peripherally applied neuropeptide SF is equally algogenic in wild type and ASIC3-/- mice. *Neuroscience Research*, **2006**, 55, 421-5	2.9	8
55	Methyllycaconitine, alpha-bungarotoxin and (+)-tubocurarine block fast ATP-gated currents in rat dorsal root ganglion cells. *British Journal of Pharmacology*, **2004**, 142, 1227-32	8.6	8
54	Therapeutic time window for the neuroprotective action of MK-801 after decapitation ischemia: hippocampal slice data. *Brain Research*, **2004**, 1017, 92-7	3.7	8
53	Post-synaptic N-methyl-d-aspartate signalling in hippocampal neurons of rat: spillover increases the impact of each spike in a short burst discharge. *Neuroscience Letters*, **2004**, 361, 60-3	3.3	8
52	A modulatory role of ASICs on GABAergic synapses in rat hippocampal cell cultures. *Molecular Brain* , **2016**, 9, 90	4.5	7
51	A novel selective NMDA agonist, N-phthalamoyl-L-glutamic acid (PhGA). *NeuroReport*, **1991**, 2, 29-32	1.7	7
50	Trans-ACPD selectively inhibits excitability of hippocampal CA1 neurones. *European Journal of Pharmacology*, **1992**, 212, 305-6	5.3	7
49	Modulation of ATP-induced LTP by cannabinoid receptors in rat hippocampus. *Purinergic Signalling*, **2012**, 8, 705-13	3.8	6
48	Novel spider toxin slows down the activation kinetics of P-type Ca2+ channels in Purkinje neurons of rat. *Toxicology*, **2005**, 207, 129-36	4.4	6
47	New channel blocker BIIA388CL blocks delayed rectifier, but not A-type potassium current in central neurons. *Neuropharmacology*, **2001**, 40, 233-41	5.5	6
46	The mechanism gated by external potassium and sodium controls the resting conductance in hippocampal and cortical neurons. *Neuroscience*, **1999**, 92, 1231-42	3.9	6

45	Glutamate and theta-rhythm stimulation selectively enhance NMDA component of EPSC in CA1 neurons of young rats. *Neuroscience Letters*, **1993**, 151, 29-32	3.3	6
44	337 - Properties of single calcium channels in the neuronal membrane. *Bioelectrochemistry*, **1980**, 7, 195-207		6
43	Outward currents in isolated snail neurones Inactivation kinetics. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1975**, 51, 259-263		6
42	Acid-Sensing Ion Channels: Focus on Physiological and Some Pathological Roles in the Brain. *Current Neuropharmacology*, **2021**, 19, 1570-1589	7.6	6
41	Opioid precursor protein isoform is targeted to the cell nuclei in the human brain. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 246-255	4	5
40	Bilirubin enhances the activity of ASIC channels to exacerbate neurotoxicity in neonatal hyperbilirubinemia in mice. *Science Translational Medicine*, **2020**, 12,	17.5	5
39	Glutamate induces long-term increase in the frequency of single N-methyl-D-aspartate channel openings in hippocampal CA1 neurons examined in situ. *Neuroscience*, **1993**, 54, 557-9	3.9	5
38	Modulation of GABA(A) receptor-mediated currents by benzophenone derivatives in isolated rat Purkinje neurones. *Neuropharmacology*, **2002**, 43, 764-77	5.5	4
37	Inhibitions of the GABA-induced currents of rat neurons by the alkaloid isocoryne from the plant Corydalis pseudoadunca. *Toxicon*, **1990**, 28, 727-30	2.8	4
36	Integration of energy homeostasis and stress by parvocellular neurons in rat hypothalamic paraventricular nucleus. *Journal of Physiology*, **2020**, 598, 1073-1092	3.9	3
35	Extracellular cAMP inhibits P2X receptors in rat sensory neurones through G protein-mediated mechanism. *Acta Physiologica*, **2010**, 199, 199-204	5.6	3
34	Adenosine Triphosphate (ATP) as a Neurotransmitter **2009**, 115-123		3
33	Preconditioning by motor activity protects rat hippocampal CA1 neurons against prolonged ischemia. *Brain Research*, **2001**, 888, 326-329	3.7	3
32	Inhibitory action of ambocarb on voltage-operated sodium channels in rat isolated hippocampal pyramidal neurons. *Clinical and Experimental Pharmacology and Physiology*, **2000**, 27, 46-54	3	3
31	Electrical responses in hippocampal slices after prolonged global ischemia: effects of neuroprotectors. *Brain Research*, **2000**, 863, 66-70	3.7	3
30	Blocking action of Nephila clavata spider toxin on ionic currents activated by glutamate and its agonists in isolated hippocampal neurons. *Neurophysiology*, **1989**, 21, 110-116	0.6	3
29	Outward currents in isolated snail neurones II. Effect of verapamil. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1975**, 51, 269-274		3
28	Is rapid effect of thyroxine on GABAergic IPSCs purely postsynaptic?. *Pharmacological Reports*, **2012** , 64, 1573-7	3.9	2

27	Purinergic Membrane Receptors as Targets for the Effect of Purotoxin 1, a Component of Venom of Spiders from the Geolycosa Genus. *Neurophysiology*, **2011**, 42, 387-391	0.6	2
26	Publisher Note: Novel Mechanism for Temperature-Independent Transitions in Flexible Molecules: Role of Thermodynamic Fluctuations [Phys. Rev. Lett. 104, 178105 (2010)]. *Physical Review Letters*, **2010**, 104,	7.4	2
25	Antioxidant-caused changes in the permeability of proton-gated ion channels for sodium and calcium. *Neurophysiology*, **2006**, 38, 158-162	0.6	2
24	Effects of Long-Term Hypoxia/Hypoglycemia on Synaptic Transmission between the CA3 and CA1 Zones in Rat Hippocampal Slices. *Neurophysiology*, **2001**, 33, 365-371	0.6	2
23	Modulating Action of Hyperforin on the P-Type Calcium Channels in the Membranes of Rat Cerebellar Purkinje Neurons. *Neurophysiology*, **2001**, 33, 5-10	0.6	2
22	The transmembrane gradient of osmotic pressure modifies the kinetics of sodium currents in perfused neurons. *Experientia*, **1983**, 39, 494-5		2
21	Outward currents in isolated snail neurones. Effect of TEA. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1975**, 51, 265-268		2
20	Effect of of ATP on Neurons of the Rat Intact Nodose Ganglion. *Neurophysiology*, **2012**, 43, 432-436	0.6	1
19	FMRFa-Related Endogenous Peptides Affect Proton-Activated Currents in Rat Trigeminal Neurons. *Neurophysiology*, **2002**, 34, 194-194	0.6	1
18	Modulatory effects of diadenosine polyphosphates on different types of calcium channels in the rat central neurons. *Neurophysiology*, **1994**, 26, 334-340	0.6	1
17	ATP-activated ionic conductance in the somatic membrane of mammalian sensory ganglionic neurons. *Neurophysiology*, **1985**, 16, 255-263	0.6	1
16	Outward currents in the nerve cell membrane. *Bioelectrochemistry*, **1976**, 3, 319-327		1
15	Increased temperature and acidosis effectively accelerate the recovery of P2X3 receptors from desensitization. *Neurophysiology*, **2007**, 39, 330-331	0.6	0
14	Pharmacological Validation of ASIC1a as a Druggable Target for Neuroprotection in Cerebral Ischemia Using an Intravenously Available Small Molecule Inhibitor.. *Frontiers in Pharmacology*, **2022**, 13, 849498	5.6	0
13	Modulation by redox reagents of ATP-activated currents in neurons of the rat nodose ganglion. *Neurophysiology*, **2006**, 38, 95-100	0.6	
12	Na+ Influx Inhibits Neuronal Ca2+ Channels. *Neurophysiology*, **2002**, 34, 182-183	0.6	
11	Glutamate Postsynaptic Receptors under the Cap: Strictly Limited Access to Receptors in the Postsynaptic Density by Non-Synaptically Released Glutamate. *Neurophysiology*, **2002**, 34, 102-105	0.6	
10	pH Receptors: Peptides and Nociception. *Neurophysiology*, **2003**, 35, 208-216	0.6	

9	Responses Evoked in Afferent Fibers by Mechanostimulation of the Skin in vitro: Modulation by RFa-Like Peptides. *Neurophysiology*, **2005**, 37, 120-126	0.6
8	Algogenic Peripheral Effects of RFa Peptides. *Neurophysiology*, **2005**, 37, 303-307	0.6
7	Modulation of excitatory synaptic transmission by adenosine: Possibility of interaction with Ca-delivering machinery. *Neurophysiology*, **1995**, 26, 26-28	0.6
6	Modulation by diadenosine polyphosphates of synaptic transmission in the hippocampus. *Neurophysiology*, **1994**, 26, 347-349	0.6
5	Synaptic transmission in slices of rat hippocampus using a modified voltage clamp technique. *Neurophysiology*, **1992**, 23, 544-550	0.6
4	Interaction between pentobarbital and GABA-activated ionic channels in rat cerebellar neurons. *Neurophysiology*, **1990**, 22, 77-81	0.6
3	Rapid pH changes associated with synaptic transmission in isolated mammalian hippocampal slices. *Bulletin of Experimental Biology and Medicine*, **1986**, 101, 707-710	0.8
2	Steady-state characteristics of the proton receptor in the somatic membrane of rat sensory neurons. *Neurophysiology*, **1984**, 15, 469-474	0.6
1	Mecamylamine inhibits seizure-like activity in CA1-CA3 hippocampus through antagonism to nicotinic receptors. *PLoS ONE*, **2021**, 16, e0240074	3.7