Oleg A Krishtal

List of Publications by Year
in descending order

158 papers	7,172 citations	66343 42 h-index	58581 82 g-index
162 all docs	162 docs citations	162 times ranked	4082 citing authors

#	Article	IF	Citations
1	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.	3.5	6
2	Mecamylamine inhibits seizure-like activity in CA1-CA3 hippocampus through antagonism to nicotinic receptors. PLoS ONE, 2021, 16, e0240074.	2.5	0
3	Acid-Sensing Ion Channels: Focus on Physiological and Some Pathological Roles in the Brain. Current Neuropharmacology, 2021, 19, 1570-1589.	2.9	29
4	Bilirubin enhances the activity of ASIC channels to exacerbate neurotoxicity in neonatal hyperbilirubinemia in mice. Science Translational Medicine, 2020, 12, .	12.4	21
5	Integration of energy homeostasis and stress by parvocellular neurons in rat hypothalamic paraventricular nucleus. Journal of Physiology, 2020, 598, 1073-1092.	2.9	6
6	Protein Kinase C Lambda Mediates Acid-Sensing Ion Channel 1a-Dependent Cortical Synaptic Plasticity and Pain Hypersensitivity. Journal of Neuroscience, 2019, 39, 5773-5793.	3.6	23
7	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.	2.1	17
8	Effects of protease-activated receptor 1 inhibition on anxiety and fear following status epilepticus. Epilepsy and Behavior, 2017, 67, 66-69.	1.7	14
9	Intraâ€•and interregional coregulation of opioid genes: broken symmetry in spinal circuits. FASEB Journal, 2017, 31, 1953-1963.	0.5	21
10	Opioid precursor protein isoform is targeted to the cell nuclei in the human brain. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 246-255.	2.4	6
11	ASICs may affect GABAergic synapses. Oncotarget, 2017, 8, 41788-41789.	1.8	2
12	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, 20150431.	4.0	26
13	Acid-sensing ion channel 1a contributes to hippocampal LTP inducibility through multiple mechanisms. Scientific Reports, 2016, 6, 23350.	3.3	41
14	A modulatory role of ASICs on GABAergic synapses in rat hippocampal cell cultures. Molecular Brain, 2016, 9, 90.	2.6	16
15	Receptor for protons: First observations on Acid Sensing Ion Channels. Neuropharmacology, 2015, 94, 4-8.	4.1	42
16	Molecular mechanism for opioid dichotomy: bidirectional effect of Î¼-opioid receptors on P2X3 receptor currents in rat sensory neurones. Purinergic Signalling, 2015, 11, 171-181.	2.2	8
17	Downregulation of the endogenous opioid peptides in the dorsal striatum of human alcoholics. Frontiers in Cellular Neuroscience, 2015, 9, 187.	3.7	23
18	Novel Potent Orthosteric Antagonist of ASIC1a Prevents NMDAR-Dependent LTP Induction. Journal of Medicinal Chemistry, 2015, 58, 4449-4461.	6.4	39

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19	Plasma membrane poration by opioid neuropeptides: a possible mechanism of pathological signal transduction. Cell Death and Disease, 2015, 6, e1683-e1683.	6.3	13
20	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.	2.9	41
21	Persistent sodium current properties in hippocampal CA1 pyramidal neurons of young and adult rats. Neuroscience Letters, 2014, 559, 30-33.	2.1	12
22	P2X3-Receptor Desensitization as an Alternative Mechanism of Analgesia. International Journal of Physiology and Pathophysiology, 2013, 4, 353-360.	0.1	0
23	Surface charge impact in low-magnesium model of seizure in rat hippocampus. Journal of Neurophysiology, 2012, 107, 417-423.	1.8	47
24	Is rapid effect of thyroxine on GABAergic IPSCs purely postsynaptic?. Pharmacological Reports, 2012, 64, 1573-1577.	3.3	2
25	Non-opioid nociceptive activity of human dynorphin mutants that cause neurodegenerative disorder spinocerebellar ataxia type 23. Peptides, 2012, 35, 306-310.	2.4	13
26	Modulation of ATP-induced LTP by cannabinoid receptors in rat hippocampus. Purinergic Signalling, 2012, 8, 705-713.	2.2	6
27	Effect of of ATP on Neurons of the Rat Intact Nodose Ganglion. Neurophysiology, 2012, 43, 432-436.	0.3	1
28	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.	0.3	2
29	Novel peptide from spider venom inhibits P2X3 receptors and inflammatory pain. Annals of Neurology, 2010, 67, 680-683.	5.3	55
30	Extracellular cAMP inhibits P2X₃ receptors in rat sensory neurones through G proteinâ€mediated mechanism. Acta Physiologica, 2010, 199, 199-204.	3.8	4
31	Publisherâ€™s 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, .	7.8	2
32	Novel Mechanism for Temperature-Independent Transitions in Flexible Molecules: Role of Thermodynamic Fluctuations. Physical Review Letters, 2010, 104, 178105.	7.8	11
33	G-protein-independent modulation of P-type calcium channels by Î¼-opioids in Purkinje neurons of rat. Neuroscience Letters, 2010, 480, 106-111.	2.1	19
34	Adenosine Triphosphate (ATP) as a Neurotransmitter. , 2009, , 115-123.		4
35	Purinoceptors on Neuroglia. Molecular Neurobiology, 2009, 39, 190-208.	4.0	205
36	P2X receptors in sensory neurons coâ€cultured with cancer cells exhibit a decrease in opioid sensitivity. European Journal of Neuroscience, 2009, 29, 76-86.	2.6	17

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37	P2X receptors and synaptic plasticity. Neuroscience, 2009, 158, 137-148.	2.3	147
38	P2X3 receptor gating near normal body temperature. Pflugers Archiv European Journal of Physiology, 2008, 456, 339-347.	2.8	42
39	Ï‰-Lsp-IA, a novel modulator of P-type Ca2+ channels. Toxicon, 2007, 50, 993-1004.	1.6	31
40	Increased temperature and acidosis effectively accelerate the recovery of P2X3 receptors from desensitization. Neurophysiology, 2007, 39, 330-331.	0.3	1
41	Peripherally applied neuropeptide SF is equally algogenic in wild type and ASIC3â[^]'/â[^]' mice. Neuroscience Research, 2006, 55, 421-425.	1.9	10
42	Modulation by redox reagents of ATP-activated currents in neurons of the rat nodose ganglion. Neurophysiology, 2006, 38, 95-100.	0.3	0
43	Antioxidant-caused changes in the permeability of proton-gated ion channels for sodium and calcium. Neurophysiology, 2006, 38, 158-162.	0.3	2
44	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, 353-360.	2.8	20
45	From Galvani to patch clamp: the development of electrophysiology. Pflugers Archiv European Journal of Physiology, 2006, 453, 233-247.	2.8	81
46	Acid sensing ionic channels: Modulation by redox reagents. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1745, 1-6.	4.1	46
47	Novel spider toxin slows down the activation kinetics of P-type Ca2+ channels in Purkinje neurons of rat. Toxicology, 2005, 207, 129-136.	4.2	9
48	Responses Evoked in Afferent Fibers by Mechanostimulation of the Skin in vitro: Modulation by RFa-Like Peptides. Neurophysiology, 2005, 37, 120-126.	0.3	0
49	Algogenic Peripheral Effects of RFa Peptides. Neurophysiology, 2005, 37, 303-307.	0.3	0
50	Opioids inhibit purinergic nociceptors in the sensory neurons and fibres of rat via a G protein-dependent mechanism. Neuropharmacology, 2005, 48, 639-647.	4.1	36
51	The Î² subunit increases the ginkgolide B sensitivity of inhibitory glycine receptors. Neuropharmacology, 2005, 49, 945-951.	4.1	32
52	RFa-related peptides are algogenic: evidence in vitro and in vivo. European Journal of Neuroscience, 2004, 20, 1419-1423.	2.6	14
53	Modulatory action of RFamide-related peptides on acid-sensing ionic channels is pH dependent: the role of arginine. Journal of Neurochemistry, 2004, 91, 252-255.	3.9	23
54	Methyllycaconitine, Î± -bungarotoxin and (+)-tubocurarine block fast ATP-gated currents in rat dorsal root ganglion cells. British Journal of Pharmacology, 2004, 142, 1227-1232.	5.4	8

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55	Intracellular Na+inhibits voltage-dependent N-type Ca2+channels by a G protein Î²Î³ subunit-dependent mechanism. Journal of Physiology, 2004, 556, 121-134.	2.9	27
56	Extrasynaptic NR2B and NR2D subunits of NMDA receptors shape â€˜superslowâ€™ afterburst EPSC in rat hippocampus. Journal of Physiology, 2004, 558, 451-463.	2.9	142
57	Protective cap over CA1 synapses: extrasynaptic glutamate does not reach the postsynaptic density. Brain Research, 2004, 1011, 195-205.	2.2	19
58	Therapeutic time window for the neuroprotective action of MK-801 after decapitation ischemia: hippocampal slice data. Brain Research, 2004, 1017, 92-97.	2.2	8
59	Modulation of P2X3Receptor-Mediated ATP-Operated Currents by Opioids. Neurophysiology, 2004, 36, 80-81.	0.3	0
60	Effects of RFa Peptides on the Background and Mechanical Stimulation-Elicited Activity of Single Afferents of the Rat Skin in vitro. Neurophysiology, 2004, 36, 90.	0.3	0
61	Ginkgolide B preferentially blocks chloride channels formed by heteromeric glycine receptors in hippocampal pyramidal neurons of rat. Brain Research Bulletin, 2004, 63, 309-314.	3.0	29
62	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, 60-63.	2.1	8
63	Inhibition of hippocampal LTP by ginkgolide B is mediated by its blocking action on PAF rather than glycine receptors. Neurochemistry International, 2004, 44, 171-177.	3.8	21
64	pH Receptors: Peptides and Nociception. Neurophysiology, 2003, 35, 208-216.	0.3	0
65	Oleg Krishtal: Conscious efforts. Nature, 2003, 424, 728-728.	27.8	1
66	Distinct Quantal Features of AMPA and NMDA Synaptic Currents in Hippocampal Neurons: Implication of Glutamate Spillover and Receptor Saturation. Biophysical Journal, 2003, 85, 3375-3387.	0.5	48
67	The ASICs: Signaling molecules? Modulators?. Trends in Neurosciences, 2003, 26, 477-483.	8.6	416
68	P2X receptor-mediated excitatory synaptic currents in somatosensory cortex. Molecular and Cellular Neurosciences, 2003, 24, 842-849.	2.2	61
69	Modulation of GABAA receptor-mediated currents by benzophenone derivatives in isolated rat Purkinje neurones. Neuropharmacology, 2002, 43, 764-777.	4.1	4
70	BN52021, a platelet activating factor antagonist, is a selective blocker of glycine-gated chloride channel. Neurochemistry International, 2002, 40, 647-653.	3.8	55
71	Role for P2X Receptors in Long-Term Potentiation. Journal of Neuroscience, 2002, 22, 8363-8369.	3.6	129
72	Ionotropic P2X purinoreceptors mediate synaptic transmission in rat pyramidal neurones of layer II/III of somatoâ€sensory cortex. Journal of Physiology, 2002, 542, 529-536.	2.9	108

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73	FMRFa-Related Endogenous Peptides Affect Proton-Activated Currents in Rat Trigeminal Neurons. Neurophysiology, 2002, 34, 194-194.	0.3	1
74	Na+ Influx Inhibits Neuronal Ca2+ Channels. Neurophysiology, 2002, 34, 182-183.	0.3	0
75	Title is missing!. Neurophysiology, 2002, 34, 155-157.	0.3	18
76	Title is missing!. Neurophysiology, 2002, 34, 102-105.	0.3	0
77	Modulation of GABAA receptor-mediated currents by phenazepam and its metabolites. Naunyn-Schmiedeberg's Archives of Pharmacology, 2001, 364, 1-8.	3.0	11
78	Î©-conotoxin GVIA potently inhibits the currents mediated by P2X receptors in rat DRG neurons. Brain Research Bulletin, 2001, 54, 507-512.	3.0	33
79	New channel blocker BIIA388CL blocks delayed rectifier, but not A-type potassium current in central neurons. Neuropharmacology, 2001, 40, 233-241.	4.1	6
80	Title is missing!. Neurophysiology, 2001, 33, 365-371.	0.3	2
81	Title is missing!. Neurophysiology, 2001, 33, 5-10.	0.3	3
82	Heterogeneity of the functional expression of P2X3 and P2X2/3 receptors in the primary nociceptive neurons of rat. Neurochemical Research, 2001, 26, 993-1000.	3.3	25
83	Preconditioning by motor activity protects rat hippocampal CA1 neurons against prolonged ischemia. Brain Research, 2001, 888, 326-329.	2.2	3
84	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.	1.9	5
85	Electrical responses in hippocampal slices after prolonged global ischemia: effects of neuroprotectors. Brain Research, 2000, 863, 66-70.	2.2	3
86	Hyperforin modulates gating of P-type Ca2+ current in cerebellar Purkinje neurons. Pflugers Archiv European Journal of Physiology, 2000, 440, 427-434.	2.8	29
87	Enhancement of glutamate release uncovers spillover-mediated transmission by N-methyl-d-aspartate receptors in the rat hippocampus. Neuroscience, 1999, 91, 1321-1330.	2.3	75
88	The mechanism gated by external potassium and sodium controls the resting conductance in hippocampal and cortical neurons. Neuroscience, 1999, 92, 1231-1242.	2.3	6
89	Hyperforin attenuates various ionic conductance mechanisms in the isolated hippocampal neurons of rat. Life Sciences, 1999, 65, 2395-2405.	4.3	58
90	Chapter 19 ATP receptor-mediated component of the excitatory synaptic transmission in the hippocampus. Progress in Brain Research, 1999, 120, 237-249.	1.4	40

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91	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, 3898-3902.	2.6	179
92	The putative cognitive enhancer KA-672. HCl is an uncompetitive voltage-dependent NMDA receptor antagonist. NeuroReport, 1998, 9, 4193-4197.	1.2	11
93	Kava extract ingredients, (+)-methysticin and (Â±)-kavain inhibit voltage-operated Na+-channels in rat CA1 hippocampal neurons. Neuroscience, 1997, 81, 345-351.	2.3	51
94	NMDA receptor-mediated synapses between CA1 neurones. NeuroReport, 1996, 7, 2679-2682.	1.2	11
95	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, 446-454.	2.6	103
96	Capsaicin blocks Ca2+ channels in isolated rat trigeminal and hippocampal neurones. NeuroReport, 1995, 6, 2338-2340.	1.2	23
97	Modulation of excitatory synaptic transmission by adenosine: Possibility of interaction with Ca-delivering machinery. Neurophysiology, 1995, 26, 26-28.	0.3	0
98	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+/Mg2+-dependent manner. Neuroscience, 1995, 65, 947-953.	2.3	30
99	Modulatory effects of diadenosine polyphosphates on different types of calcium channels in the rat central neurons. Neurophysiology, 1994, 26, 334-340.	0.3	2
100	Modulation by diadenosine polyphosphates of synaptic transmission in the hippocampus. Neurophysiology, 1994, 26, 347-349.	0.3	0
101	Persistently enhanced ratio of NMDA and non-NMDA components of rat hippocampal EPSC after block of A1 adenosine receptors at increased. Neuroscience Letters, 1994, 179, 132-136.	2.1	10
102	Possible functional role of diadenosine polyphosphates: Negative feedback for excitation in hippocampus. Neuroscience, 1994, 58, 235-236.	2.3	49
103	R56865 and flunarizine as Na+-channel blockers in isolated Purkinje neurons of rat cerebellum. Neuroscience, 1993, 54, 575-585.	2.3	29
104	Glutamate and Î¸-rhythm stimulation selectively enhance NMDA component of EPSC in CA1 neurons of young rats. Neuroscience Letters, 1993, 151, 29-32.	2.1	8
105	R56865 as Ca2+-channel blocker in Purkinje neurons of rat: Comparison with flunarizine and nimodipine. Neuroscience, 1993, 54, 587-594.	2.3	22
106	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, 557-559.	2.3	5
107	Two types of steadyâ€state desensitization of Nâ€methylâ€Dâ€aspartate receptor in isolated hippocampal neurones of rat.. Journal of Physiology, 1992, 448, 453-472.	2.9	23
108	A highly potent and selective receptor antagonist from the venom of the Agelenopsis aperta spider. Neuroscience, 1992, 51, 11-18.	2.3	14

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109	Adenosine-dependent enhancement by methylxanthines of excitatory synaptic transmission in hippocampus of rats. Neuroscience Letters, 1992, 135, 10-12.	2.1	33
110	Trans-ACPD selectively inhibits excitability of hippocampal CA1 neurones. European Journal of Pharmacology, 1992, 212, 305-306.	3.5	9
111	Synaptic transmission in slices of rat hippocampus using a modified voltage clamp technique. Neurophysiology, 1992, 23, 544-550.	0.3	0
112	A novel selective NMDA agonist, N-phthalamoyl-L-glutamic acid (PhGA). NeuroReport, 1991, 2, 29-32.	1.2	7
113	NMDA receptor agonists selectively block N-type calcium channels in hippocampal neurons. Nature, 1991, 349, 418-420.	27.8	65
114	Cross-desensitization Reveals Pharmacological Specificity of Excitatory Amino Acid Receptors in Isolated Hippocampal Neurons. European Journal of Neuroscience, 1990, 2, 461-470.	2.6	52
115	The proton-activated inward current of rat sensory neurons includes a calcium component. Neuroscience Letters, 1990, 115, 237-242.	2.1	48
116	Desensitization of NMDA receptors does not proceed in the presence of kynurenate. Neuroscience Letters, 1990, 108, 88-92.	2.1	9
117	Inhibitions of the GABA-induced currents of rat neurons by the alkaloid isocoryne from the plant Corydalis pseudoadunca. Toxicon, 1990, 28, 727-730.	1.6	6
118	Interaction between pentobarbital and GABA-activated ionic channels in rat cerebellar neurons. Neurophysiology, 1990, 22, 77-81.	0.3	0
119	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.	0.3	3
120	Glycine action on receptors in rat hippocampal neurons. Neuroscience Letters, 1989, 99, 131-136.	2.1	35
121	Hippocampal synaptic plasticity induced by excitatory amino acids includes changes in sensitivity to the calcium channel blocker, ï‰-conotoxin. Neuroscience Letters, 1989, 102, 197-204.	2.1	24
122	Blockade of response in enzyme-treated rat hippocampal neurons. Neuroscience Letters, 1988, 87, 75-79.	2.1	53
123	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, 82-88.	2.1	13
124	Receptors for ATP in rat sensory neurones: the structureâ€function relationship for ligands. British Journal of Pharmacology, 1988, 95, 1057-1062.	5.4	85
125	Properties of glycine-activated conductances in rat brain neurones. Neuroscience Letters, 1988, 84, 271-276.	2.1	80
126	Cationic channels activated by extracellular atp in rat sensory neurons. Neuroscience, 1988, 27, 995-1000.	2.3	160

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127	Spider toxin blocks excitatory amino acid responses in isolated hippocampal pyramidal neurons. Neuroscience Letters, 1987, 79, 326-330.	2.1	59
128	Rapid extracellular pH transients related to synaptic transmission in rat hippocampal slices. Brain Research, 1987, 436, 352-356.	2.2	159
129	Excitatory amino acid receptors in hippocampal neurons: Kainate fails to desensitize them. Neuroscience Letters, 1986, 63, 225-230.	2.1	270
130	Are sulfhydryl groups essential for function of the glutamate-operated receptor-ionophore complex?. Neuroscience Letters, 1986, 66, 305-310.	2.1	35
131	'Concentrationâ€clamp' study of gammaâ€aminobutyricâ€acidâ€induced chloride current kinetics in frog sensory neurones.. Journal of Physiology, 1986, 379, 171-185.	2.9	212
132	Rapid pH changes associated with synaptic transmission in isolated mammalian hippocampal slices. Bulletin of Experimental Biology and Medicine, 1986, 101, 707-710.	0.8	0
133	ATP-activated ionic conductance in the somatic membrane of mammalian sensory ganglionic neurons. Neurophysiology, 1985, 16, 255-263.	0.3	2
134	Steady-state characteristics of the proton receptor in the somatic membrane of rat sensory neurons. Neurophysiology, 1984, 15, 469-474.	0.3	0
135	The transmembrane gradient of osmotic pressure modifies the kinetics of sodium currents in perfused neurons. Experientia, 1983, 39, 494-495.	1.2	3
136	Receptor for ATP in the membrane of mammalian sensory neurones. Neuroscience Letters, 1983, 35, 41-45.	2.1	335
137	Receptor for protons in the membrane of sensory neurons. Brain Research, 1981, 214, 150-154.	2.2	87
138	A â€˜receptorâ€™ for protons in small neurons of trigeminal ganglia: Possible role in nociception. Neuroscience Letters, 1981, 24, 243-246.	2.1	56
139	A receptor for protons in the membrane of sensory neurons may participate in nociception. Neuroscience, 1981, 6, 2599-2601.	2.3	174
140	Intracellular perfusion. Journal of Neuroscience Methods, 1981, 4, 201-210.	2.5	37
141	Calcium inward current and related charge movements in the membrane of snail neurones.. Journal of Physiology, 1981, 310, 403-421.	2.9	89
142	Conductance of the calcium channel in the membrane of snail neurones.. Journal of Physiology, 1981, 310, 423-434.	2.9	42
143	337 - Properties of single calcium channels in the neuronal membrane. Bioelectrochemistry, 1980, 7, 195-207.	1.0	6
144	A receptor for protons in the nerve cell membrane. Neuroscience, 1980, 5, 2325-2327.	2.3	484

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145	Kinetics of calcium inward current activation. Brain Research Bulletin, 1979, 4, 169-170.	3.0	1
146	Ionic currents in the neuroblastoma cell membrane. Neuroscience, 1978, 3, 327-332.	2.3	39
147	Effects of calcium and calciumâ€chelating agents on the inward and outward current in the membrane of mollusc neurones. Journal of Physiology, 1977, 270, 569-580.	2.9	266
148	Separation of sodium and calcium currents in the somatic membrane of mollusc neurones. With an Appendix by Yu A. Shakhovalov. Journal of Physiology, 1977, 270, 545-568.	2.9	335
149	Asymmetrical displacement currents in nerve cell membrane and effect of internal fluoride. Nature, 1977, 267, 70-72.	27.8	65
150	Outward currents in the nerve cell membrane. Bioelectrochemistry, 1976, 3, 319-327.	1.0	1
151	Effect of internal fluoride and phosphate on membrane currents during intracellular dialysis of nerve cells. Nature, 1975, 257, 691-693.	27.8	235
152	Outward currents in isolated snail neuronesâ€"III. Effect of verapamil. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1975, 51, 269-274.	0.2	9
153	Outward currents in isolated snail neuronesâ€"II. Effect of TEA. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1975, 51, 265-268.	0.2	9
154	Outward currents in isolated snail neuronesâ€"I. Inactivation kinetics. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1975, 51, 259-263.	0.2	13
155	Calcium currents in snail neurones. Pflugers Archiv European Journal of Physiology, 1974, 348, 83-93.	2.8	69
156	Calcium currents in snail neurones. Pflugers Archiv European Journal of Physiology, 1974, 348, 95-104.	2.8	36
157	Potential-dependent membrane current during the active transport of ions in snail neurones. Journal of Physiology, 1972, 226, 373-392.	2.9	41
158	Calcium ions as inward current carriers in mollusc neurones. Comparative Biochemistry and Physiology, 1970, 35, 857-866.	1.1	48