

Andrea Nistri

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144
papers

4,659
citations

35
h-index

61
g-index

146
ext. papers

5,028
ext. citations

4.4
avg, IF

5.57
L-index

#	Paper	IF	Citations
144	GABA receptor mechanisms in the central nervous system. <i>Progress in Neurobiology</i> , 1991 , 36, 35-92	10.9	471
143	Desensitization of nicotinic ACh receptors: shaping cholinergic signaling. <i>Trends in Neurosciences</i> , 2005 , 28, 371-8	13.3	280
142	Exocytotic release of ATP from cultured astrocytes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28749-28758	3.5	200
141	Delayed upregulation of ATP P2X3 receptors of trigeminal sensory neurons by calcitonin gene-related peptide. <i>Journal of Neuroscience</i> , 2006 , 26, 6163-71	6.6	138
140	Localization of rhythmogenic networks responsible for spontaneous bursts induced by strychnine and bicuculline in the rat isolated spinal cord. <i>Journal of Neuroscience</i> , 1996 , 16, 7063-76	6.6	128
139	Riluzole blocks persistent Na ⁺ and Ca ²⁺ currents and modulates release of glutamate via presynaptic NMDA receptors on neonatal rat hypoglossal motoneurons in vitro. <i>European Journal of Neuroscience</i> , 2008 , 27, 2501-14	3.5	115
138	Molecular mechanisms of sensitization of pain-transducing P2X3 receptors by the migraine mediators CGRP and NGF. <i>Molecular Neurobiology</i> , 2008 , 37, 83-90	6.2	108
137	Calcitonin gene-related peptide-mediated enhancement of purinergic neuron/glia communication by the algogenic factor bradykinin in mouse trigeminal ganglia from wild-type and R192Q Cav2.1 Knock-in mice: implications for basic mechanisms of migraine pain. <i>Journal of Neuroscience</i> , 2011 , 31, 3638-49	6.6	101
136	Negative cross talk between anionic GABA _A and cationic P2X ionotropic receptors of rat dorsal root ganglion neurons. <i>Journal of Neuroscience</i> , 2001 , 21, 4958-68	6.6	98
135	Comparison of P2X and TRPV1 receptors in ganglia or primary culture of trigeminal neurons and their modulation by NGF or serotonin. <i>Molecular Pain</i> , 2006 , 2, 11	3.4	87
134	Alternating rhythmic activity induced by dorsal root stimulation in the neonatal rat spinal cord in vitro. <i>Journal of Physiology</i> , 2001 , 530, 105-12	3.9	83
133	Relative contribution by GABA or glycine to Cl ⁻ -mediated synaptic transmission on rat hypoglossal motoneurons in vitro. <i>Journal of Neurophysiology</i> , 2000 , 84, 2715-24	3.2	78
132	Expression and dendritic mRNA localization of GABAC receptor rho1 and rho2 subunits in developing rat brain and spinal cord. <i>European Journal of Neuroscience</i> , 2002 , 15, 1747-58	3.5	77
131	Neutralization of nerve growth factor induces plasticity of ATP-sensitive P2X3 receptors of nociceptive trigeminal ganglion neurons. <i>Journal of Neuroscience</i> , 2007 , 27, 8190-201	6.6	72
130	Current and voltage clamp studies of the spike medium afterhyperpolarization of hypoglossal motoneurons in a rat brain stem slice preparation. <i>Journal of Neurophysiology</i> , 2000 , 83, 2987-95	3.2	63
129	Pharmacological block of the electrogenic sodium pump disrupts rhythmic bursting induced by strychnine and bicuculline in the neonatal rat spinal cord. <i>Journal of Neurophysiology</i> , 1997 , 77, 17-23	3.2	62
128	Experimental and modeling studies of desensitization of P2X3 receptors. <i>Molecular Pharmacology</i> , 2006 , 70, 373-82	4.3	57

127	TNF α levels and macrophages expression reflect an inflammatory potential of trigeminal ganglia in a mouse model of familial hemiplegic migraine. <i>PLoS ONE</i> , 2013 , 8, e52394	3.7	57
126	Molecular biology and electrophysiology of neuronal nicotinic receptors of rat chromaffin cells. <i>European Journal of Neuroscience</i> , 2003 , 17, 2313-22	3.5	55
125	Familial hemiplegic migraine Ca(v)2.1 channel mutation R192Q enhances ATP-gated P2X3 receptor activity of mouse sensory ganglion neurons mediating trigeminal pain. <i>Molecular Pain</i> , 2010 , 6, 48	3.4	54
124	Inhibition of spinal or hypoglossal motoneurons of the newborn rat by glycine or GABA. <i>European Journal of Neuroscience</i> , 2002 , 15, 975-83	3.5	53
123	Kainate and metabolic perturbation mimicking spinal injury differentially contribute to early damage of locomotor networks in the in vitro neonatal rat spinal cord. <i>Neuroscience</i> , 2008 , 155, 538-55	3.9	52
122	Opposite changes in synaptic activity of organotypic rat spinal cord cultures after chronic block of AMPA/kainate or glycine and GABAA receptors. <i>Journal of Physiology</i> , 2000 , 523 Pt 3, 639-51	3.9	52
121	Generation of rhythmic patterns of activity by ventral interneurons in rat organotypic spinal slice culture. <i>Journal of Physiology</i> , 1999 , 517 (Pt 2), 459-75	3.9	51
120	Kainate-mediated excitotoxicity induces neuronal death in the rat spinal cord in vitro via a PARP-1 dependent cell death pathway (Parthanatos). <i>Cellular and Molecular Neurobiology</i> , 2010 , 30, 1001-12	4.6	49
119	Tuning and playing a motor rhythm: how metabotropic glutamate receptors orchestrate generation of motor patterns in the mammalian central nervous system. <i>Journal of Physiology</i> , 2006 , 572, 323-34	3.9	48
118	A structural model of agonist binding to the alpha3beta4 neuronal nicotinic receptor. <i>British Journal of Pharmacology</i> , 2003 , 140, 921-31	8.6	47
117	ERG conductance expression modulates the excitability of ventral horn GABAergic interneurons that control rhythmic oscillations in the developing mouse spinal cord. <i>Journal of Neuroscience</i> , 2007 , 27, 919-28	6.6	46
116	Agonist-dependence of recovery from desensitization of P2X(3) receptors provides a novel and sensitive approach for their rapid up or downregulation. <i>British Journal of Pharmacology</i> , 2004 , 141, 1048-58	8.6	46
115	Identification of negative residues in the P2X3 ATP receptor ectodomain as structural determinants for desensitization and the Ca ²⁺ -sensing modulatory sites. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53109-15	5.4	45
114	Activation and desensitization of neuronal nicotinic receptors modulate glutamatergic transmission on neonatal rat hypoglossal motoneurons. <i>European Journal of Neuroscience</i> , 2005 , 22, 2723-34	3.5	45
113	Rapid relief of block by mecamylamine of neuronal nicotinic acetylcholine receptors of rat chromaffin cells in vitro: an electrophysiological and modeling study. <i>Molecular Pharmacology</i> , 2000 , 58, 778-87	4.3	40
112	Modulation of neuronal nicotinic receptor function by the neuropeptides CGRP and substance P on autonomic nerve cells. <i>British Journal of Pharmacology</i> , 2003 , 139, 1061-73	8.6	37
111	Postnatal developmental profile of neurons and glia in motor nuclei of the brainstem and spinal cord, and its comparison with organotypic slice cultures. <i>Developmental Neurobiology</i> , 2012 , 72, 1140-60	3.2	35
110	Riluzole: what it does to spinal and brainstem neurons and how it does it. <i>Neuroscientist</i> , 2013 , 19, 137-44	4.6	35

109	Desensitization of AMPA receptors limits the amplitude of EPSPs and the excitability of motoneurons of the rat isolated spinal cord. <i>European Journal of Neuroscience</i> , 1995 , 7, 1229-34	3.5	34
108	The C-terminal Src inhibitory kinase (Csk)-mediated tyrosine phosphorylation is a novel molecular mechanism to limit P2X3 receptor function in mouse sensory neurons. <i>Journal of Biological Chemistry</i> , 2009 , 284, 21393-401	5.4	33
107	Lipid rafts control P2X3 receptor distribution and function in trigeminal sensory neurons of a transgenic migraine mouse model. <i>Molecular Pain</i> , 2011 , 7, 77	3.4	32
106	Quantal release of ATP from clusters of PC12 cells. <i>Journal of Physiology</i> , 2004 , 560, 505-17	3.9	32
105	Depression of windup of spinal neurons in the neonatal rat spinal cord in vitro by an NK3 tachykinin receptor antagonist. <i>Journal of Neurophysiology</i> , 2001 , 85, 1502-11	3.2	31
104	Molecular Mechanisms Underlying Cell Death in Spinal Networks in Relation to Locomotor Activity After Acute Injury in vitro. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 9	6.1	30
103	The mechanism of functional up-regulation of P2X3 receptors of trigeminal sensory neurons in a genetic mouse model of familial hemiplegic migraine type 1 (FHM-1). <i>PLoS ONE</i> , 2013 , 8, e60677	3.7	30
102	Modulation of rhythmic patterns and cumulative depolarization by group I metabotropic glutamate receptors in the neonatal rat spinal cord in vitro. <i>European Journal of Neuroscience</i> , 2004 , 19, 533-41	3.5	29
101	Metabotropic glutamate receptor activity induces a novel oscillatory pattern in neonatal rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2005 , 563, 139-59	3.9	29
100	Desensitization properties of P2X3 receptors shaping pain signaling. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 245	6.1	28
99	Experimental and modeling studies of novel bursts induced by blocking na(+) pump and synaptic inhibition in the rat spinal cord. <i>Journal of Neurophysiology</i> , 2002 , 88, 676-91	3.2	28
98	Mechanism of Neuroprotection Against Experimental Spinal Cord Injury by Riluzole or Methylprednisolone. <i>Neurochemical Research</i> , 2019 , 44, 200-213	4.6	28
97	Modulation by substance P of synaptic transmission in the mouse hippocampal slice. <i>European Journal of Neuroscience</i> , 1998 , 10, 3076-84	3.5	27
96	Glutamate uptake block triggers deadly rhythmic bursting of neonatal rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2006 , 572, 407-23	3.9	27
95	Calibration of agonist concentrations applied by pressure pulses or via rapid solution exchanger. <i>Journal of Neuroscience Methods</i> , 2001 , 110, 155-61	3	26
94	Functional crosstalk in culture between macrophages and trigeminal sensory neurons of a mouse genetic model of migraine. <i>BMC Neuroscience</i> , 2012 , 13, 143	3.2	25
93	Transient oxidative stress evokes early changes in the functional properties of neonatal rat hypoglossal motoneurons in vitro. <i>European Journal of Neuroscience</i> , 2010 , 31, 951-66	3.5	25
92	Modulation of P2X3 receptors by Mg ²⁺ on rat DRG neurons in culture. <i>Neuropharmacology</i> , 2003 , 44, 132-40	5.5	25

91	ATF3 is a novel nuclear marker for migrating ependymal stem cells in the rat spinal cord. <i>Stem Cell Research</i> , 2014 , 12, 815-27	1.6	23
90	The Cdk5 kinase downregulates ATP-gated ionotropic P2X3 receptor function via serine phosphorylation. <i>Cellular and Molecular Neurobiology</i> , 2010 , 30, 505-9	4.6	23
89	Activity-independent intracellular Ca ²⁺ oscillations are spontaneously generated by ventral spinal neurons during development in vitro. <i>Cell Calcium</i> , 2007 , 41, 317-29	4	23
88	Distinct subtypes of group I metabotropic glutamate receptors on rat spinal neurons mediate complex facilitatory and inhibitory effects. <i>European Journal of Neuroscience</i> , 2003 , 18, 1873-83	3.5	23
87	Desensitization of neuronal nicotinic receptors of human neuroblastoma SH-SY5Y cells during short or long exposure to nicotine. <i>British Journal of Pharmacology</i> , 2005 , 146, 1087-95	8.6	23
86	S100 β as an early biomarker of excitotoxic damage in spinal cord organotypic cultures. <i>Journal of Neurochemistry</i> , 2014 , 130, 598-604	6	22
85	B-type natriuretic peptide-induced delayed modulation of TRPV1 and P2X3 receptors of mouse trigeminal sensory neurons. <i>PLoS ONE</i> , 2013 , 8, e81138	3.7	22
84	Riluzole is a potent drug to protect neonatal rat hypoglossal motoneurons in vitro from excitotoxicity due to glutamate uptake block. <i>European Journal of Neuroscience</i> , 2011 , 33, 899-913	3.5	22
83	The ATP-mediated fast current of rat dorsal root ganglion neurons is a novel effector for GABA(B) receptor activation. <i>Neuroscience Letters</i> , 2003 , 338, 181-4	3.3	22
82	Long-term exposure to the new nicotinic antagonist 1,2-bisN-cytisinylethane upregulates nicotinic receptor subtypes of SH-SY5Y human neuroblastoma cells. <i>British Journal of Pharmacology</i> , 2005 , 146, 1096-109	8.6	22
81	Effects of 6(5H)-phenanthridinone, an inhibitor of poly(ADP-ribose)polymerase-1 activity (PARP-1), on locomotor networks of the rat isolated spinal cord. <i>Cellular and Molecular Neurobiology</i> , 2011 , 31, 503-8	4.6	21
80	Dynamics of early locomotor network dysfunction following a focal lesion in an in vitro model of spinal injury. <i>European Journal of Neuroscience</i> , 2010 , 31, 60-78	3.5	21
79	Adenine-based acyclic nucleotides as novel P2X3 receptor ligands. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 4596-603	8.3	21
78	Voltage-activated K ⁺ currents of hypoglossal motoneurons in a brain stem slice preparation from the neonatal rat. <i>Journal of Neurophysiology</i> , 1999 , 81, 140-8	3.2	21
77	ATP-gated P2X receptors in health and disease. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 204	6.1	20
76	Cystic fibrosis transmembrane conductance regulator modulates synaptic chloride homeostasis in motoneurons of the rat spinal cord during neonatal development. <i>Developmental Neurobiology</i> , 2011 , 71, 253-68	3.2	20
75	A repertoire of rhythmic bursting produced by hypoglossal motoneurons in physiological and pathological conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 2493-500	5.8	19
74	Electrochemical detection of endogenous glutamate release from rat spinal cord organotypic slices as a real-time method to monitor excitotoxicity. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 128-32	3	19

73	Effect of the PARP-1 inhibitor PJ 34 on excitotoxic damage evoked by kainate on rat spinal cord organotypic slices. <i>Cellular and Molecular Neurobiology</i> , 2011 , 31, 469-78	4.6	18
72	Regulation of P2X3 receptor structure and function. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012 , 11, 687-98	2.6	18
71	Oscillatory circuits underlying locomotor networks in the rat spinal cord. <i>Critical Reviews in Neurobiology</i> , 2006 , 18, 25-36		18
70	A hyperexcitability phenotype in mouse trigeminal sensory neurons expressing the R192Q Cacna1a missense mutation of familial hemiplegic migraine type-1. <i>Neuroscience</i> , 2014 , 266, 244-54	3.9	17
69	Effect of metabotropic glutamate receptor activity on rhythmic discharges of the neonatal rat spinal cord in vitro. <i>Experimental Brain Research</i> , 2003 , 153, 388-93	2.3	17
68	A novel class of peptides with facilitating action on neuronal nicotinic receptors of rat chromaffin cells in vitro: functional and molecular dynamics studies. <i>Molecular Pharmacology</i> , 2002 , 61, 43-54	4.3	17
67	Antagonism of nicotinic receptors of rat chromaffin cells by N,N,N-trimethyl-1-(4-trans-stilbenoxy)-2-propylammonium iodide: a patch clamp and ligand binding study. <i>British Journal of Pharmacology</i> , 2000 , 129, 1771-9	8.6	17
66	Evidence for increased extracellular K(+) as an important mechanism for dorsal root induced alternating rhythmic activity in the neonatal rat spinal cord in vitro. <i>Neuroscience Letters</i> , 2001 , 304, 77-80 ³	3.3	17
65	Inefficient constitutive inhibition of P2X3 receptors by brain natriuretic peptide system contributes to sensitization of trigeminal sensory neurons in a genetic mouse model of familial hemiplegic migraine. <i>Molecular Pain</i> , 2016 , 12,	3.4	17
64	Calcium/calmodulin-dependent serine protein kinase (CASK) is a new intracellular modulator of P2X3 receptors. <i>Journal of Neurochemistry</i> , 2013 , 126, 102-12	6	16
63	Effects of LPS on P2X3 receptors of trigeminal sensory neurons and macrophages from mice expressing the R192Q Cacna1a gene mutation of familial hemiplegic migraine-1. <i>Purinergic Signalling</i> , 2013 , 9, 7-13	3.8	16
62	Studies of locomotor network neuroprotection by the selective poly(ADP-ribose) polymerase-1 inhibitor PJ-34 against excitotoxic injury to the rat spinal cord in vitro. <i>European Journal of Neuroscience</i> , 2011 , 33, 2216-27	3.5	16
61	The effects induced by the sulphonylurea glibenclamide on the neonatal rat spinal cord indicate a novel mechanism to control neuronal excitability and inhibitory neurotransmission. <i>British Journal of Pharmacology</i> , 2007 , 150, 47-57	8.6	15
60	Activation of group I metabotropic glutamate receptors enhances efficacy of glutamatergic inputs to neonatal rat hypoglossal motoneurons in vitro. <i>European Journal of Neuroscience</i> , 2004 , 20, 1245-54	3.5	15
59	Neuroprotective effect of propofol against excitotoxic injury to locomotor networks of the rat spinal cord in vitro. <i>European Journal of Neuroscience</i> , 2016 , 44, 2418-2430	3.5	14
58	Respiratory motoneurons and pathological conditions: lessons from hypoglossal motoneurons challenged by excitotoxic or oxidative stress. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 179, 89-96	2.8	14
57	Role of group II and III metabotropic glutamate receptors in rhythmic patterns of the neonatal rat spinal cord in vitro. <i>Experimental Brain Research</i> , 2004 , 156, 495-504	2.3	14
56	ASIC channel inhibition enhances excitotoxic neuronal death in an in vitro model of spinal cord injury. <i>Neuroscience</i> , 2017 , 343, 398-410	3.9	13

55	A study of methylprednisolone neuroprotection against acute injury to the rat spinal cord in vitro. <i>Neuroscience</i> , 2016 , 315, 136-49	3.9	13
54	In situ imaging reveals properties of purinergic signalling in trigeminal sensory ganglia in vitro. <i>Purinergic Signalling</i> , 2017 , 13, 511-520	3.8	13
53	Brain natriuretic peptide constitutively downregulates P2X3 receptors by controlling their phosphorylation state and membrane localization. <i>Molecular Pain</i> , 2015 , 11, 71	3.4	13
52	Role of HSP70 in motoneuron survival after excitotoxic stress in a rat spinal cord injury model in vitro. <i>European Journal of Neuroscience</i> , 2015 , 42, 3054-65	3.5	13
51	Unusual increase in lumbar network excitability of the rat spinal cord evoked by the PARP-1 inhibitor PJ-34 through inhibition of glutamate uptake. <i>Neuropharmacology</i> , 2012 , 63, 415-26	5.5	13
50	Functional differences between ATP-gated human and rat P2X3 receptors are caused by critical residues of the intracellular C-terminal domain. <i>Journal of Neurochemistry</i> , 2012 , 122, 557-67	6	13
49	N-methyl-D-aspartate triggers neonatal rat hypoglossal motoneurons in vitro to express rhythmic bursting with unusual Mg ²⁺ sensitivity. <i>Neuroscience</i> , 2008 , 154, 804-20	3.9	13
48	Facilitation of cholinergic transmission by substance P methyl ester in the mouse hippocampal slice preparation. <i>European Journal of Neuroscience</i> , 2000 , 12, 585-94	3.5	13
47	Loss of inhibition by brain natriuretic peptide over P2X3 receptors contributes to enhanced spike firing of trigeminal ganglion neurons in a mouse model of familial hemiplegic migraine type-1. <i>Neuroscience</i> , 2016 , 331, 197-205	3.9	13
46	Nicotinic receptors modulate the onset of reactive oxygen species production and mitochondrial dysfunction evoked by glutamate uptake block in the rat hypoglossal nucleus. <i>Neuroscience Letters</i> , 2017 , 639, 43-48	3.3	12
45	The volatile anesthetic methoxyflurane protects motoneurons against excitotoxicity in an in vitro model of rat spinal cord injury. <i>Neuroscience</i> , 2015 , 285, 269-80	3.9	11
44	Differential short-term changes in GABAergic or glycinergic synaptic efficacy on rat hypoglossal motoneurons. <i>Journal of Neurophysiology</i> , 2001 , 86, 565-74	3.2	11
43	Membrane potential oscillations of neonatal rat spinal motoneurons evoked by electrical stimulation of dorsal root fibres. <i>European Journal of Neuroscience</i> , 1995 , 7, 2403-8	3.5	11
42	The patterns of spontaneous Ca ²⁺ signals generated by ventral spinal neurons in vitro show time-dependent refinement. <i>European Journal of Neuroscience</i> , 2009 , 29, 1543-59	3.5	10
41	Persistent rhythmic oscillations induced by nicotine on neonatal rat hypoglossal motoneurons in vitro. <i>European Journal of Neuroscience</i> , 2006 , 24, 2543-56	3.5	10
40	Bimodal action of protons on ATP currents of rat PC12 cells. <i>Journal of General Physiology</i> , 2003 , 122, 33-44	3.4	10
39	Characteristics of fast Na ⁽⁺⁾ current of hypoglossal motoneurons in a rat brainstem slice preparation. <i>European Journal of Neuroscience</i> , 2001 , 13, 763-72	3.5	10
38	Effects of thyrotropin-releasing hormone on GABAergic synaptic transmission of the rat hippocampus. <i>European Journal of Neuroscience</i> , 1996 , 8, 1299-305	3.5	10

37	Nicotinic receptor activation contrasts pathophysiological bursting and neurodegeneration evoked by glutamate uptake block on rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2016 , 594, 6777-6798 ^{3.9}	10
36	Electrophysiological characterization of the M-current in rat hypoglossal motoneurons. <i>Neuroscience</i> , 2017 , 340, 62-75	3.9 9
35	Modeling a Nociceptive Neuro-Immune Synapse Activated by ATP and 5-HT in Meninges: Novel Clues on Transduction of Chemical Signals Into Persistent or Rhythmic Neuronal Firing. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 135	6.1 9
34	Chronic NGF treatment of rat nociceptive DRG neurons in culture facilitates desensitization and deactivation of GABAA receptor-mediated currents. <i>British Journal of Pharmacology</i> , 2004 , 142, 425-34	8.6 9
33	Modulation of extrasynaptic GABAergic receptor activity influences glutamate release and neuronal survival following excitotoxic damage to mouse spinal cord neurons. <i>Neurochemistry International</i> , 2019 , 128, 175-185	4.4 8
32	Ceftriaxone-mediated upregulation of the glutamate transporter GLT-1 contrasts neurotoxicity evoked by kainate in rat organotypic spinal cord cultures. <i>NeuroToxicology</i> , 2017 , 60, 34-41	4.4 7
31	Modulatory effects by CB1 receptors on rat spinal locomotor networks after sustained application of agonists or antagonists. <i>Neuroscience</i> , 2015 , 303, 16-33	3.9 7
30	Expression and function of calcitonin gene-related peptide (CGRP) receptors in trigeminal ganglia of R192Q Cacna1a knock-in mice. <i>Neuroscience Letters</i> , 2016 , 620, 104-10	3.3 7
29	Deconstructing locomotor networks with experimental injury to define their membership. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1198, 242-51	6.5 7
28	Enhancement of neuronal nicotinic receptor activity of rat chromaffin cells by a novel class of peptides. <i>Annals of the New York Academy of Sciences</i> , 2002 , 971, 100-7	6.5 7
27	Effects of caffeine on the excitability and intracellular Ca(2+) transients of neonatal rat hypoglossal motoneurons in vitro. <i>Neuroscience Letters</i> , 2003 , 346, 177-81	3.3 7
26	Activation of group I metabotropic glutamate receptors depresses recurrent inhibition of motoneurons in the neonatal rat spinal cord in vitro. <i>Experimental Brain Research</i> , 2005 , 164, 406-10	2.3 7
25	Pharmacological induction of Heat Shock Protein 70 by celastrol protects motoneurons from excitotoxicity in rat spinal cord in vitro. <i>European Journal of Neuroscience</i> , 2019 , 49, 215-231	3.5 7
24	Nicotine-mediated neuroprotection of rat spinal networks against excitotoxicity. <i>European Journal of Neuroscience</i> , 2018 , 47, 1353-1374	3.5 7
23	Nicotine protects rat hypoglossal motoneurons from excitotoxic death via downregulation of connexin 36. <i>Cell Death and Disease</i> , 2017 , 8, e2881	9.8 6
22	Propofol Protects Rat Hypoglossal Motoneurons in an In Vitro Model of Excitotoxicity by Boosting GABAergic Inhibition and Reducing Oxidative Stress. <i>Neuroscience</i> , 2017 , 367, 15-33	3.9 6
21	Delayed application of the anesthetic propofol contrasts the neurotoxic effects of kainate on rat organotypic spinal slice cultures. <i>NeuroToxicology</i> , 2016 , 54, 1-10	4.4 6
20	2S3SO-Substituted ATP derivatives as potent antagonists of purinergic P2X3 receptors and potential analgesic agents. <i>Purinergic Signalling</i> , 2017 , 13, 61-74	3.8 6

19	Investigation on 2S3S-Substituted ATP Derivatives and Analogs as Novel P2X3 Receptor Antagonists. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 493-498	4.3	6
18	Hyperpolarization-activated current I in mouse trigeminal sensory neurons in a transgenic mouse model of familial hemiplegic migraine type-1. <i>Neuroscience</i> , 2017 , 351, 47-64	3.9	5
17	Functional up-regulation of the M-current by retigabine contrasts hyperexcitability and excitotoxicity on rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2018 , 596, 2611-2629	3.9	5
16	Neurotoxicity of propofol on rat hypoglossal motoneurons in vitro. <i>Neuroscience Letters</i> , 2017 , 655, 95-100	3.9	5
15	Mutated CaV2.1 channels dysregulate CASK/P2X3 signaling in mouse trigeminal sensory neurons of R192Q Cacna1a knock-in mice. <i>Molecular Pain</i> , 2013 , 9, 62	3.4	4
14	Evaluation of adenine as scaffold for the development of novel P2X3 receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , 2013 , 65, 41-50	6.8	4
13	Microelectrode arrays in combination with in vitro models of spinal cord injury as tools to investigate pathological changes in network activity: facts and promises. <i>Frontiers in Neuroengineering</i> , 2013 , 6, 2		4
12	Differential neuromodulatory role of endocannabinoids in the rodent trigeminal sensory ganglion and cerebral cortex relevant to pain processing. <i>Neuropharmacology</i> , 2018 , 131, 39-50	5.5	4
11	Acute Spinal Cord Injury In Vitro: Insight into Basic Mechanisms. <i>Neuromethods</i> , 2013 , 39-62	0.4	3
10	Long-term application of cannabinoids leads to dissociation between changes in cAMP and modulation of GABA receptors of mouse trigeminal sensory neurons. <i>Neurochemistry International</i> , 2019 , 126, 74-85	4.4	3
9	A study of cannabinoid-1 receptors during the early phase of excitotoxic damage to rat spinal locomotor networks in vitro. <i>Neuroscience</i> , 2016 , 333, 214-28	3.9	2
8	An electron microscopy study of changes in dense core vesicles of PC12 cells following pulse depolarization. <i>NeuroReport</i> , 2005 , 16, 381-5	1.7	2
7	GABAergic Mechanisms Can Redress the Tilted Balance between Excitation and Inhibition in Damaged Spinal Networks. <i>Molecular Neurobiology</i> , 2021 , 58, 3769-3786	6.2	2
6	Role of calcitonin gene-related peptide and brain natriuretic peptide to modulate the excitability state of trigeminal neurons: relevance to migraine pathology and treatment. <i>Journal of Receptor, Ligand and Channel Research</i> , 2015 , 31		1
5	Dynamic expression of ATF3 as a novel tool to study activation and migration of endogenous spinal stem cells and their role in neural repair. <i>Neural Regeneration Research</i> , 2015 , 10, 713-4	4.5	1
4	Loss of inhibitory synapses causes locomotor network dysfunction of the rat spinal cord during prolonged maintenance in vitro. <i>Brain Research</i> , 2019 , 1710, 8-21	3.7	1
3	Spinal cord injury: there is nothing permanent except change (Heraclitus, 540-480 BC). <i>Brain Research Bulletin</i> , 2009 , 78, 2-3	3.9	0
2	Overexpressed Na 1.7 Channels Confer Hyperexcitability to Trigeminal Sensory Neurons of Ca 2.1 Mutant Hemiplegic Migraine Mice. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 640709	6.1	0

- 1 Pre and postsynaptic effects of metabotropic glutamate receptor activation on neonatal rat hypoglossal motoneurons. *Neuroscience Letters*, **2003**, 338, 9-9 33