

Andrea Nistri

List of Publications by Year in descending order

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146
papers

5,293
citations

87888

38
h-index

106344

65
g-index

146
all docs

146
docs citations

146
times ranked

4336
citing authors

#	ARTICLE	IF	CITATIONS
1	GABA receptor mechanisms in the central nervous system. <i>Progress in Neurobiology</i> , 1991, 36, 35-92.	5.7	525
2	Desensitization of nicotinic ACh receptors: shaping cholinergic signaling. <i>Trends in Neurosciences</i> , 2005, 28, 371-378.	8.6	308
3	Exocytotic Release of ATP from Cultured Astrocytes. <i>Journal of Biological Chemistry</i> , 2007, 282, 28749-28758.	3.4	225
4	Delayed Upregulation of ATP P2X3 Receptors of Trigeminal Sensory Neurons by Calcitonin Gene-Related Peptide. <i>Journal of Neuroscience</i> , 2006, 26, 6163-6171.	3.6	160
5	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, 7063-7076.	3.6	133
6	Riluzole blocks persistent Na ⁺ and Ca ²⁺ currents and modulates release of glutamate via presynaptic NMDA receptors on neonatal rat hypoglossal motoneurons <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2008, 27, 2501-2514.	2.6	133
7	Molecular Mechanisms of Sensitization of Pain-transducing P2X3 Receptors by the Migraine Mediators CGRP and NGF. <i>Molecular Neurobiology</i> , 2008, 37, 83-90.	4.0	129
8	Calcitonin Gene-Related Peptide-Mediated Enhancement of Purinergic Neuron/Glia Communication by the Allogenic Factor Bradykinin in Mouse Trigeminal Ganglia from Wild-Type and R192Q Ca _v 2.1 Knock-In Mice: Implications for Basic Mechanisms of Migraine Pain. <i>Journal of Neuroscience</i> , 2011, 31, 3638-3649.	3.6	111
9	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, 4958-4968.	3.6	105
10	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, 1744-8069-2-11.	2.1	95
11	Alternating rhythmic activity induced by dorsal root stimulation in the neonatal rat spinal cord <i>in vitro</i> . <i>Journal of Physiology</i> , 2001, 530, 105-112.	2.9	85
12	Expression and dendritic mRNA localization of GABA _A receptor $\alpha 1$ and $\alpha 2$ subunits in developing rat brain and spinal cord. <i>European Journal of Neuroscience</i> , 2002, 15, 1747-1758.	2.6	82
13	Relative Contribution by GABA or Glycine to Cl ⁻ -Mediated Synaptic Transmission on Rat Hypoglossal Motoneurons <i>In Vitro</i> . <i>Journal of Neurophysiology</i> , 2000, 84, 2715-2724.	1.8	81
14	Neutralization of Nerve Growth Factor Induces Plasticity of ATP-Sensitive P2X ₃ Receptors of Nociceptive Trigeminal Ganglion Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 8190-8201.	3.6	80
15	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.	2.5	74
16	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, 2987-2995.	1.8	69
17	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.	1.8	64
18	Molecular biology and electrophysiology of neuronal nicotinic receptors of rat chromaffin cells. <i>European Journal of Neuroscience</i> , 2003, 17, 2313-2322.	2.6	64

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19	Experimental and Modeling Studies of Desensitization of P2X3 Receptors. <i>Molecular Pharmacology</i> , 2006, 70, 373-382.	2.3	61
20	Generation of rhythmic patterns of activity by ventral interneurons in rat organotypic spinal slice culture. <i>Journal of Physiology</i> , 1999, 517, 459-475.	2.9	60
21	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, 1001-1012.	3.3	59
22	Familial Hemiplegic Migraine Ca _v 2.1 Channel Mutation R192Q Enhances ATP-gated P2X ₃ Receptor Activity of Mouse Sensory Ganglion Neurons Mediating Trigeminal Pain. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-48.	2.1	59
23	Opposite changes in synaptic activity of organotypic rat spinal cord cultures after chronic block of AMPA/kainate or glycine and GABA A receptors. <i>Journal of Physiology</i> , 2000, 523, 639-651.	2.9	58
24	Inhibition of spinal or hypoglossal motoneurons of the newborn rat by glycine or GABA. <i>European Journal of Neuroscience</i> , 2002, 15, 975-983.	2.6	58
25	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, 919-928.	3.6	57
26	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, 538-555.	2.3	55
27	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, 323-334.	2.9	54
28	A structural model of agonist binding to the $\alpha 3 \beta 4$ neuronal nicotinic receptor. <i>British Journal of Pharmacology</i> , 2003, 140, 921-931.	5.4	52
29	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, 1048-1058.	5.4	48
30	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, 53109-53115.	3.4	47
31	Metabotropic glutamate receptor activity induces a novel oscillatory pattern in neonatal rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2005, 563, 139-159.	2.9	47
32	Activation and desensitization of neuronal nicotinic receptors modulate glutamatergic transmission on neonatal rat hypoglossal motoneurons. <i>European Journal of Neuroscience</i> , 2005, 22, 2723-2734.	2.6	45
33	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, 778-787.	2.3	44
34	Riluzole. <i>Neuroscientist</i> , 2013, 19, 137-144.	3.5	42
35	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, 1061-1073.	5.4	41
36	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.	3.7	41

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37	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, 1140-1160.	3.0	40
38	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, 21393-21401.	3.4	39
39	Mechanism of Neuroprotection Against Experimental Spinal Cord Injury by Riluzole or Methylprednisolone. <i>Neurochemical Research</i> , 2019, 44, 200-213.	3.3	38
40	Quantal release of ATP from clusters of PC12 cells. <i>Journal of Physiology</i> , 2004, 560, 505-517.	2.9	36
41	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, 1229-1234.	2.6	34
42	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, 1502-1511.	1.8	34
43	Lipid Rafts Control P2X3 Receptor Distribution and Function in Trigeminal Sensory Neurons of a Transgenic Migraine Mouse Model. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-77.	2.1	34
44	Desensitization properties of P2X3 receptors shaping pain signaling. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 245.	3.7	34
45	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, 533-541.	2.6	32
46	Functional crosstalk in culture between macrophages and trigeminal sensory neurons of a mouse genetic model of migraine. <i>BMC Neuroscience</i> , 2012, 13, 143.	1.9	31
47	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.	2.5	31
48	Glutamate uptake block triggers deadly rhythmic bursting of neonatal rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2006, 572, 407-423.	2.9	30
49	Activity-independent intracellular Ca ²⁺ oscillations are spontaneously generated by ventral spinal neurons during development in vitro. <i>Cell Calcium</i> , 2007, 41, 317-329.	2.4	30
50	ATF3 is a novel nuclear marker for migrating ependymal stem cells in the rat spinal cord. <i>Stem Cell Research</i> , 2014, 12, 815-827.	0.7	30
51	Calibration of agonist concentrations applied by pressure pulses or via rapid solution exchanger. <i>Journal of Neuroscience Methods</i> , 2001, 110, 155-161.	2.5	29
52	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, 676-691.	1.8	28
53	S100 β as an early biomarker of excitotoxic damage in spinal cord organotypic cultures. <i>Journal of Neurochemistry</i> , 2014, 130, 598-604.	3.9	28
54	Modulation by substance P of synaptic transmission in the mouse hippocampal slice. <i>European Journal of Neuroscience</i> , 1998, 10, 3076-3084.	2.6	27

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55	Modulation of P2X3 receptors by Mg ²⁺ on rat DRG neurons in culture. <i>Neuropharmacology</i> , 2003, 44, 132-140.	4.1	27
56	Transient oxidative stress evokes early changes in the functional properties of neonatal rat hypoglossal motoneurons <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2010, 31, 951-966.	2.6	27
57	Riluzole is a potent drug to protect neonatal rat hypoglossal motoneurons <i>in vitro</i> from excitotoxicity due to glutamate uptake block. <i>European Journal of Neuroscience</i> , 2011, 33, 899-913.	2.6	26
58	ATP-gated P2X receptors in health and disease. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 204.	3.7	26
59	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, 1087-1095.	5.4	25
60	The Cdk5 Kinase Downregulates ATP-Gated Ionotropic P2X3 Receptor Function Via Serine Phosphorylation. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 505-509.	3.3	25
61	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, 503-508.	3.3	24
62	B-Type Natriuretic Peptide-Induced Delayed Modulation of TRPV1 and P2X3 Receptors of Mouse Trigeminal Sensory Neurons. <i>PLoS ONE</i> , 2013, 8, e81138.	2.5	24
63	ASIC channel inhibition enhances excitotoxic neuronal death in an <i>in vitro</i> model of spinal cord injury. <i>Neuroscience</i> , 2017, 343, 398-410.	2.3	24
64	Voltage-Activated K ⁺ Currents of Hypoglossal Motoneurons in a Brain Stem Slice Preparation From the Neonatal Rat. <i>Journal of Neurophysiology</i> , 1999, 81, 140-148.	1.8	23
65	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, 1873-1883.	2.6	23
66	The ATP-mediated fast current of rat dorsal root ganglion neurons is a novel effector for GABAB receptor activation. <i>Neuroscience Letters</i> , 2003, 338, 181-184.	2.1	23
67	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, 1096-1109.	5.4	23
68	Dynamics of early locomotor network dysfunction following a focal lesion in an <i>in vitro</i> model of spinal injury. <i>European Journal of Neuroscience</i> , 2010, 31, 60-78.	2.6	23
69	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, 244-254.	2.3	23
70	Adenine-Based Acyclic Nucleotides as Novel P2X ₃ Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4596-4603.	6.4	22
71	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, 253-268.	3.0	22
72	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, 128-132.	2.5	21

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73	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, 2493-2500.	4.0	20
74	Regulation of P2X3 Receptor Structure and Function. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 687-698.	1.4	20
75	Effects of LPS on P2X3 receptors of trigeminal sensory neurons and macrophages from mice expressing the R192Q <i>Cacna1a</i> gene mutation of familial hemiplegic migraine-1. <i>Purinergic Signalling</i> , 2013, 9, 7-13.	2.2	20
76	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.	5.4	19
77	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, 469-478.	3.3	19
78	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, 174480691664611.	2.1	19
79	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.	3.7	19
80	Studies of locomotor network neuroprotection by the selective poly(ADP-ribose) polymerase-1 inhibitor PJ-34 against excitotoxic injury to the rat spinal cord <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2011, 33, 2216-2227.	2.6	18
81	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.	2.3	18
82	Neuroprotective effect of propofol against excitotoxic injury to locomotor networks of the rat spinal cord <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2016, 44, 2418-2430.	2.6	18
83	Oscillatory Circuits Underlying Locomotor Networks in the Rat Spinal Cord. <i>Critical Reviews in Neurobiology</i> , 2006, 18, 25-36.	3.1	18
84	Antagonism of nicotinic receptors of rat chromaffin cells by N,N,N-trimethyl-1-(4-trans) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (-st) <i>Pharmacology</i> , 2000, 129, 1771-1779.	5.4	17
85	Evidence for increased extracellular K ⁺ as an important mechanism for dorsal root induced alternating rhythmic activity in the neonatal rat spinal cord <i>in vitro</i> . <i>Neuroscience Letters</i> , 2001, 304, 77-80.	2.1	17
86	A Novel Class of Peptides with Facilitating Action on Neuronal Nicotinic Receptors of Rat Chromaffin Cells <i>In Vitro</i> : Functional and Molecular Dynamics Studies. <i>Molecular Pharmacology</i> , 2002, 61, 43-54.	2.3	17
87	Effect of metabotropic glutamate receptor activity on rhythmic discharges of the neonatal rat spinal cord <i>in vitro</i> . <i>Experimental Brain Research</i> , 2003, 153, 388-393.	1.5	17
88	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.	1.6	17
89	Calcium/calmodulin-dependent serine protein kinase (CASK) is a new intracellular modulator of P ₂ X ₃ receptors. <i>Journal of Neurochemistry</i> , 2013, 126, 102-112.	3.9	17
90	Activation of group I metabotropic glutamate receptors enhances efficacy of glutamatergic inputs to neonatal rat hypoglossal motoneurons <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2004, 20, 1245-1254.	2.6	15

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91	Brain Natriuretic Peptide Constitutively Downregulates P2X3 Receptors by Controlling their Phosphorylation State and Membrane Localization. <i>Molecular Pain</i> , 2015, 11, s12990-015-0074.	2.1	15
92	A study of methylprednisolone neuroprotection against acute injury to the rat spinal cord in vitro. <i>Neuroscience</i> , 2016, 315, 136-149.	2.3	15
93	Electrophysiological characterization of the M-current in rat hypoglossal motoneurons. <i>Neuroscience</i> , 2017, 340, 62-75.	2.3	15
94	In situ imaging reveals properties of purinergic signalling in trigeminal sensory ganglia in vitro. <i>Purinergic Signalling</i> , 2017, 13, 511-520.	2.2	15
95	Facilitation of cholinergic transmission by substance P methyl ester in the mouse hippocampal slice preparation. <i>European Journal of Neuroscience</i> , 2000, 12, 585-594.	2.6	14
96	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.	1.5	14
97	The patterns of spontaneous Ca ²⁺ signals generated by ventral spinal neurons <i>in vitro</i> show time-dependent refinement. <i>European Journal of Neuroscience</i> , 2009, 29, 1543-1559.	2.6	14
98	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, 557-567.	3.9	14
99	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.	2.9	14
100	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.	2.6	14
101	Characteristics of fast Na ⁺ current of hypoglossal motoneurons in a rat brainstem slice preparation. <i>European Journal of Neuroscience</i> , 2001, 13, 763-772.	2.6	13
102	N-methyl-d-aspartate triggers neonatal rat hypoglossal motoneurons <i>in vitro</i> to express rhythmic bursting with unusual Mg ²⁺ sensitivity. <i>Neuroscience</i> , 2008, 154, 804-820.	2.3	13
103	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, 415-426.	4.1	13
104	Role of HSP70 in motoneuron survival after excitotoxic stress in a rat spinal cord injury model <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2015, 42, 3054-3065.	2.6	13
105	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.	2.1	13
106	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.	2.3	13
107	Nicotine-mediated neuroprotection of rat spinal networks against excitotoxicity. <i>European Journal of Neuroscience</i> , 2018, 47, 1353-1374.	2.6	13
108	Membrane Potential Oscillations of Neonatal Rat Spinal Motoneurons Evoked by Electrical Stimulation of Dorsal Root Fibres. <i>European Journal of Neuroscience</i> , 1995, 7, 2403-2408.	2.6	12

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109	Bimodal Action of Protons on ATP Currents of Rat PC12 Cells. <i>Journal of General Physiology</i> , 2003, 122, 33-44.	1.9	12
110	The volatile anesthetic methoxyflurane protects motoneurons against excitotoxicity in an in vitro model of rat spinal cord injury. <i>Neuroscience</i> , 2015, 285, 269-280.	2.3	12
111	Functional upregulation of the M-current by retigabine contrasts hyperexcitability and excitotoxicity on rat hypoglossal motoneurons. <i>Journal of Physiology</i> , 2018, 596, 2611-2629.	2.9	12
112	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.	3.8	12
113	GABAergic Mechanisms Can Redress the Tilted Balance between Excitation and Inhibition in Damaged Spinal Networks. <i>Molecular Neurobiology</i> , 2021, 58, 3769-3786.	4.0	12
114	Differential Short-Term Changes in GABAergic or Glycinergic Synaptic Efficacy on Rat Hypoglossal Motoneurons. <i>Journal of Neurophysiology</i> , 2001, 86, 565-574.	1.8	11
115	Persistent rhythmic oscillations induced by nicotine on neonatal rat hypoglossal motoneurons in vitro. <i>European Journal of Neuroscience</i> , 2006, 24, 2543-2556.	2.6	11
116	Effects of Thyrotropin-releasing Hormone on GABAergic Synaptic Transmission of the Rat Hippocampus. <i>European Journal of Neuroscience</i> , 1996, 8, 1299-1305.	2.6	10
117	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.	3.0	10
118	2,3-O-Substituted ATP derivatives as potent antagonists of purinergic P2X3 receptors and potential analgesic agents. <i>Purinergic Signalling</i> , 2017, 13, 61-74.	2.2	10
119	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, 425-434.	5.4	9
120	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, 104-110.	2.1	9
121	Nicotine protects rat hypoglossal motoneurons from excitotoxic death via downregulation of connexin 36. <i>Cell Death and Disease</i> , 2017, 8, e2881-e2881.	6.3	9
122	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.	4.1	9
123	Effects of caffeine on the excitability and intracellular Ca ²⁺ transients of neonatal rat hypoglossal motoneurons in vitro. <i>Neuroscience Letters</i> , 2003, 346, 177-181.	2.1	8
124	Investigation on 2,3-O-Substituted ATP Derivatives and Analogs as Novel P2X3 Receptor Antagonists. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 493-498.	2.8	8
125	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, 100-107.	3.8	7
126	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, 406-410.	1.5	7

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127	Deconstructing locomotor networks with experimental injury to define their membership. <i>Annals of the New York Academy of Sciences</i> , 2010, 1198, 242-251.	3.8	7
128	Modulatory effects by CB1 receptors on rat spinal locomotor networks after sustained application of agonists or antagonists. <i>Neuroscience</i> , 2015, 303, 16-33.	2.3	7
129	Mutated Ca ^v 2.1 Channels Dysregulate CASK/P2X3 Signaling in Mouse Trigeminal Sensory Neurons of R192Q Cacna1a Knock-in Mice. <i>Molecular Pain</i> , 2013, 9, 1744-8069-9-62.	2.1	6
130	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.	3.0	6
131	Hyperpolarization-activated current I _h in mouse trigeminal sensory neurons in a transgenic mouse model of familial hemiplegic migraine type-1. <i>Neuroscience</i> , 2017, 351, 47-64.	2.3	6
132	Nicotine Neurotoxicity Involves Low Wnt1 Signaling in Spinal Locomotor Networks of the Postnatal Rodent Spinal Cord. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9572.	4.1	6
133	Acute Spinal Cord Injury In Vitro: Insight into Basic Mechanisms. <i>Neuromethods</i> , 2013, , 39-62.	0.3	5
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