Lucio Annunziato

List of Publications by Year
in descending order

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245 papers	9,982 citations	22132 59 h-index	51562 86 g-index
247 all docs	247 docs citations	247 times ranked	9072 citing authors

#	Article	IF	Citations
1	Na+/Ca2+ exchanger isoform 1 takes part to the Ca2+-related prosurvival pathway of SOD1 in primary motor neurons exposed to beta-methylamino-l-alanine. Cell Communication and Signaling, 2022, 20, 8.	2.7	4
2	Na+/Ca2+ exchanger isoform 1 (NCX1) and canonical transient receptor potential channel 6 (TRPC6) are recruited by STIM1 to mediate Store-Operated Calcium Entry in primary cortical neurons. Cell Calcium, 2022, 101, 102525.	1.1	9
3	Identification and characterization of the promoter and transcription factors regulating the expression of cerebral sodium/calcium exchanger 2 (NCX2) gene. Cell Calcium, 2022, 102, 102542.	1.1	2
4	IN BRAIN POST-ISCHEMIC PLASTICITY, Na+/Ca2+ EXCHANGER 1 AND Ascl1 INTERVENE IN MICROGLIA-DEPENDENT CONVERSION OF ASTROCYTES INTO NEURONAL LINEAGE. Cell Calcium, 2022, 105, 102608.	1.1	4
5	K+-Dependent Na+/Ca2+ Exchanger Isoform 2, Nckx2, Takes Part in the Neuroprotection Elicited by Ischemic Preconditioning in Brain Ischemia. International Journal of Molecular Sciences, 2022, 23, 7128.	1.8	4
6	Preconditioning in hypoxic-ischemic neonate mice triggers Na+-Ca2+ exchanger-dependent neurogenesis. Cell Death Discovery, 2022, 8, .	2.0	4
7	miR-16-5p, miR-103-3p, and miR-27b-3p as Early Peripheral Biomarkers of Fetal Growth Restriction. Frontiers in Pediatrics, 2021, 9, 611112.	0.9	13
8	The hypoxia sensitive metal transcription factor MTF-1 activates NCX1 brain promoter and participates in remote postconditioning neuroprotection in stroke. Cell Death and Disease, 2021, 12, 423.	2.7	9
9	Synthesis and Characterization of Novel Mono- and Bis-Guanyl Hydrazones as Potent and Selective ASIC1 Inhibitors Able to Reduce Brain Ischemic Insult. Journal of Medicinal Chemistry, 2021, 64, 8333-8353.	2.9	3
10	Ncx3-Induced Mitochondrial Dysfunction in Midbrain Leads to Neuroinflammation in Striatum of A53t-Î±-Synuclein Transgenic Old Mice. International Journal of Molecular Sciences, 2021, 22, 8177.	1.8	9
11	Prolonged NCX activation prevents SOD1 accumulation, reduces neuroinflammation, ameliorates motor behavior and prolongs survival in a ALS mouse model. Neurobiology of Disease, 2021, 159, 105480.	2.1	8
12	Rebound effects of NCX3 pharmacological inhibition: A novel strategy to accelerate myelin formation in oligodendrocytes. Biomedicine and Pharmacotherapy, 2021, 143, 112111.	2.5	2
13	Hemorrhagic Stroke Induces a Time-Dependent Upregulation of miR-150-5p and miR-181b-5p in the Bloodstream. Frontiers in Neurology, 2021, 12, 736474.	1.1	7
14	GATA3 (GATA-Binding Protein 3)/KMT2A (Lysine-Methyltransferase-2A) Complex by Increasing H3K4-3me (Trimethylated Lysine-4 of Histone-3) Upregulates NCX3 (Na ⁺ -Ca ²⁺ Exchanger) Tj ETQq0 0 0 rgBT /Overlock 3680-3691.	1.0	4
15	New Insights into the Structureâ€“Activity Relationship and Neuroprotective Profile of Benzodiazepinone Derivatives of Neurounina-1 as Modulators of the Na⁺/Ca²⁺ Exchanger Isoforms. Journal of Medicinal Chemistry, 2021, 64, 17901-17919.	2.9	6
16	Na+/Ca2+ Exchangers. , 2021, , 1037-1047.		0
17	The Na+/Ca2+ Exchanger 3 Is Functionally Coupled With the NaV1.6 Voltage-Gated Channel and Promotes an Endoplasmic Reticulum Ca2+ Refilling in a Transgenic Model of Alzheimerâ€™s Disease. Frontiers in Pharmacology, 2021, 12, 775271.	1.6	7
18	HDAC4 and HDAC5 form a complex with DREAM that epigenetically down-regulates NCX3 gene and its pharmacological inhibition reduces neuronal stroke damage. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2081-2097.	2.4	12

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19	Nuclear localization of NCX: Role in Ca2+ handling and pathophysiological implications. Cell Calcium, 2020, 86, 102143.	1.1	13
20	The Na+/Ca2+ exchangers in demyelinating diseases. Cell Calcium, 2020, 85, 102130.	1.1	11
21	Remote postconditioning ameliorates stroke damage by preventing let-7a and miR-143 up-regulation. Theranostics, 2020, 10, 12174-12188.	4.6	18
22	Gender Differences in Neurodegeneration, Neuroinflammation and Na+-Ca2+ Exchangers in the Female A53T Transgenic Mouse Model of Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 118.	1.7	17
23	Sumoylation of sodium/calcium exchanger in brain ischemia and ischemic preconditioning. Cell Calcium, 2020, 87, 102195.	1.1	3
24	The Na+/Ca2+exchanger in Alzheimerâ€™s disease. Cell Calcium, 2020, 87, 102190.	1.1	33
25	Nuclear-encoded NCX3 and AKAP121: Two novel modulators of mitochondrial calcium efflux in normoxic and hypoxic neurons. Cell Calcium, 2020, 87, 102193.	1.1	8
26	Knocking-out the Siah2 E3 ubiquitin ligase prevents mitochondrial NCX3 degradation, regulates mitochondrial fission and fusion, and restores mitochondrial function in hypoxic neurons. Cell Communication and Signaling, 2020, 18, 42.	2.7	12
27	Genetically modified mice to unravel physiological and pathophysiological roles played by NCX isoforms. Cell Calcium, 2020, 87, 102189.	1.1	5
28	Positive allosteric modulation of indoleamine 2,3-dioxygenase 1 restrains neuroinflammation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3848-3857.	3.3	58
29	New perspectives for selective NCX activators in neurodegenerative diseases. Cell Calcium, 2020, 87, 102170.	1.1	11
30	Genetic Up-Regulation or Pharmacological Activation of the Na+/Ca2+ Exchanger 1 (NCX1) Enhances Hippocampal-Dependent Contextual and Spatial Learning and Memory. Molecular Neurobiology, 2020, 57, 2358-2376.	1.9	11
31	miR-206 Reduces the Severity of Motor Neuron Degeneration in the Facial Nuclei of the Brainstem in a Mouse Model of SMA. Molecular Therapy, 2020, 28, 1154-1166.	3.7	21
32	Multipurpose Na+ ions mediate excitation and cellular homeostasis: Evolution of the concept of Na+ pumps and Na+/Ca2+ exchangers. Cell Calcium, 2020, 87, 102166.	1.1	8
33	Transcriptional and epigenetic regulation of ncx1 and ncx3 in the brain. Cell Calcium, 2020, 87, 102194.	1.1	14
34	Na+/Ca2+ Exchangers. , 2020, , 1-11.		0
35	Synthesis and Pharmacological Evaluation of a Novel Peptide Based on Anemonia sulcata BDS-I Toxin as a New KV3.4 Inhibitor Exerting a Neuroprotective Effect Against Amyloid-Î² Peptide. Frontiers in Chemistry, 2019, 7, 479.	1.8	11
36	Amyloid Î²-Induced Upregulation of Nav1.6 Underlies Neuronal Hyperactivity in Tg2576 Alzheimerâ€™s Disease Mouse Model. Scientific Reports, 2019, 9, 13592.	1.6	49

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37	Feedback inhibition of cAMP effector signaling by a chaperone-assisted ubiquitin system. Nature Communications, 2019, 10, 2572.	5.8	29
38	Development, Validation of LC-MS/MS Method and Determination of Pharmacokinetic Parameters of the Stroke Neuroprotectant Neurounina-1 in Beagle Dog Plasma After Intravenous Administration. Frontiers in Pharmacology, 2019, 10, 432.	1.6	5
39	The Y682ENPTY687 motif of APP: Progress and insights toward a targeted therapy for Alzheimerâ€™s disease patients. Ageing Research Reviews, 2019, 52, 120-128.	5.0	19
40	ORAI1/STIM1 Interaction Intervenes in Stroke and in Neuroprotection Induced by Ischemic Preconditioning Through Store-Operated Calcium Entry. Stroke, 2019, 50, 1240-1249.	1.0	47
41	Anti-miR-223-5p Ameliorates Ischemic Damage and Improves Neurological Function by Preventing NCKX2 Downregulation after Ischemia in Rats. Molecular Therapy - Nucleic Acids, 2019, 18, 1063-1071.	2.3	23
42	Dâ€Aspartate treatment attenuates myelin damage and stimulates myelin repair. EMBO Molecular Medicine, 2019, 11, .	3.3	44
43	Na+/Ca2+ exchanger 1 on nuclear envelope controls PTEN/Akt pathway via nucleoplasmic Ca2+ regulation during neuronal differentiation. Cell Death Discovery, 2018, 4, 12.	2.0	16
44	Preconditioning, induced by sub-toxic dose of the neurotoxin L-BMAA, delays ALS progression in mice and prevents Na+/Ca2+ exchanger 3 downregulation. Cell Death and Disease, 2018, 9, 206.	2.7	26
45	Acute and long-term NCX activation reduces brain injury and restores behavioral functions in mice subjected to neonatal brain ischemia. Neuropharmacology, 2018, 135, 180-191.	2.0	23
46	Models and methods for conditioning the ischemic brain. Journal of Neuroscience Methods, 2018, 310, 63-74.	1.3	16
47	NCX1 and NCX3 as potential factors contributing to neurodegeneration and neuroinflammation in the A53T transgenic mouse model of Parkinsonâ€™s Disease. Cell Death and Disease, 2018, 9, 725.	2.7	32
48	Synergistic Association of Valproate and Resveratrol Reduces Brain Injury in Ischemic Stroke. International Journal of Molecular Sciences, 2018, 19, 172.	1.8	26
49	Ionic Homeostasis Maintenance in ALS: Focus on New Therapeutic Targets. Frontiers in Neuroscience, 2018, 12, 510.	1.4	40
50	ApoSOD1 lacking dismutase activity neuroprotects motor neurons exposed to beta-methylamino-L-alanine through the Ca2+/Akt/ERK1/2 prosurvival pathway. Cell Death and Differentiation, 2017, 24, 511-522.	5.0	28
51	The expression and activity of K V 3.4 channel subunits are precociously upregulated in astrocytes exposed to AÎ² oligomers and in astrocytes of Alzheimer's disease Tg2576 mice. Neurobiology of Aging, 2017, 54, 187-198.	1.5	33
52	Lysosomal dysfunction disrupts presynaptic maintenance and restoration of presynaptic function prevents neurodegeneration in lysosomal storage diseases. EMBO Molecular Medicine, 2017, 9, 112-132.	3.3	65
53	Ncx3 gene ablation impairs oligodendrocyte precursor response and increases susceptibility to experimental autoimmune encephalomyelitis. Glia, 2016, 64, 1124-1137.	2.5	29
54	Sumoylation of LYS590 of NCX3 f-Loop by SUMO1 Participates in Brain Neuroprotection Induced by Ischemic Preconditioning. Stroke, 2016, 47, 1085-1093.	1.0	27

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55	Glial Na⁺â€dependent ion transporters in pathophysiological conditions. Glia, 2016, 64, 1677-1697.	2.5	43
56	Neuronal NCX1 overexpression induces stroke resistance while knockout induces vulnerability via Akt. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1790-1803.	2.4	31
57	NCX1 Exchanger Cooperates with Calretinin to Confer Preconditioning-Induced Tolerance Against Cerebral Ischemia in the Striatum. Molecular Neurobiology, 2016, 53, 1365-1376.	1.9	21
58	Neuroprotective coordination of cell mitophagy by the ATPase Inhibitory Factor 1. Pharmacological Research, 2016, 103, 56-68.	3.1	23
59	Novel Cellular Mechanisms for Neuroprotection in Ischemic Preconditioning: A View from Inside Organelles. Frontiers in Neurology, 2015, 6, 115.	1.1	21
60	Pharmacological Characterization of the Newly Synthesized 5-Amino-N-butyl-2-(4-ethoxyphenoxy)-benzamide Hydrochloride (BED) as a Potent NCX3 Inhibitor That Worsens Anoxic Injury in Cortical Neurons, Organotypic Hippocampal Cultures, and Ischemic Brain. ACS Chemical Neuroscience, 2015, 6, 1361-1370.	1.7	16
61	A New Cell-penetrating Peptide That Blocks the Autoinhibitory XIP Domain of NCX1 and Enhances Antiporter Activity. Molecular Therapy, 2015, 23, 465-476.	3.7	16
62	Involvement of the Na+/Ca2+ exchanger isoform 1 (NCX1) in Neuronal Growth Factor (NGF)-induced Neuronal Differentiation through Ca2+-dependent Akt Phosphorylation. Journal of Biological Chemistry, 2015, 290, 1319-1331.	1.6	30
63	Sp3/REST/HDAC1/HDAC2 Complex Represses and Sp1/HIF-1/p300 Complex Activates ncx1 Gene Transcription, in Brain Ischemia and in Ischemic Brain Preconditioning, by Epigenetic Mechanism. Journal of Neuroscience, 2015, 35, 7332-7348.	1.7	78
64	Neuroprotective Effect of VEGF-Mimetic Peptide QK in Experimental Brain Ischemia Induced in Rat by Middle Cerebral Artery Occlusion. ACS Chemical Neuroscience, 2015, 6, 1517-1525.	1.7	24
65	Ischemic tolerance modulates TRAIL expression and its receptors and generates a neuroprotected phenotype. Cell Death and Disease, 2014, 5, e1331-e1331.	2.7	27
66	MicroRNA-103-1 Selectively Downregulates Brain NCX1 and Its Inhibition by Anti-miRNA Ameliorates Stroke Damage and Neurological Deficits. Molecular Therapy, 2014, 22, 1829-1838.	3.7	63
67	Histamine Receptors and Antihistamines: From Discovery to Clinical Applications. Chemical Immunology and Allergy, 2014, 100, 214-226.	1.7	42
68	Endoplasmic reticulum refilling and mitochondrial calcium extrusion promoted in neurons by NCX1 and NCX3 in ischemic preconditioning are determinant for neuroprotection. Cell Death and Differentiation, 2014, 21, 1142-1149.	5.0	51
69	Does Na+/Ca2+ Exchanger, NCX, Represent a New Druggable Target in Stroke Intervention?. Translational Stroke Research, 2014, 5, 145-155.	2.3	32
70	Proteolytic control of neurite outgrowth inhibitor NOGO-A by the cAMP/PKA pathway. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15729-15734.	3.3	21
71	microRNA 103â€1 exerts a neuroprotective effect in stroke by enhancing ncx1 expression in the brain (654.1). FASEB Journal, 2014, 28, 654.1.	0.2	0
72	NCX3 regulates mitochondrial calcium handling through AKAP121-anchored signaling complex and prevents hypoxia-induced cell death. Journal of Cell Science, 2013, 126, 5566-77.	1.2	64

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73	nNOS and p-ERK involvement in the neuroprotection exerted by remote postconditioning in rats subjected to transient middle cerebral artery occlusion. Neurobiology of Disease, 2013, 54, 105-114.	2.1	47
74	Transcriptional Regulation of ncx1 Gene in the Brain. Advances in Experimental Medicine and Biology, 2013, 961, 137-145.	0.8	14
75	New Insights in Mitochondrial Calcium Handling by Sodium/Calcium Exchanger. Advances in Experimental Medicine and Biology, 2013, 961, 203-209.	0.8	3
76	Genetically Modified Mice as a Strategy to Unravel the Role Played by the Na+/Ca2+ Exchanger in Brain Ischemia and in Spatial Learning and Memory Deficits. Advances in Experimental Medicine and Biology, 2013, 961, 213-222.	0.8	19
77	NCX as a Key Player in the Neuroprotection Exerted by Ischemic Preconditioning and Postconditioning. Advances in Experimental Medicine and Biology, 2013, 961, 223-240.	0.8	38
78	New Roles of NCX in Glial Cells: Activation of Microglia in Ischemia and Differentiation of Oligodendrocytes. Advances in Experimental Medicine and Biology, 2013, 961, 307-316.	0.8	29
79	Human Macrophages and Monocytes Express Functional Na+/Ca2+ Exchangers 1 and 3. Advances in Experimental Medicine and Biology, 2013, 961, 317-326.	0.8	10
80	Targeted acetylation of NF-kappaB/RelA and histones by epigenetic drugs reduces post-ischemic brain injury in mice with an extended therapeutic window. Neurobiology of Disease, 2013, 49, 177-189.	2.1	83
81	NCX1 is a new rest target gene: Role in cerebral ischemia. Neurobiology of Disease, 2013, 50, 76-85.	2.1	39
82	Ionic Transporter Activity in Astrocytes, Microglia, and Oligodendrocytes During Brain Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 969-982.	2.4	79
83	Rhythm-specific modulation of the sensorimotor network in drug-naÃ¯ve patients with Parkinsonâ€™s disease by levodopa. Brain, 2013, 136, 710-725.	3.7	178
84	Neurounina-1, a Novel Compound That Increases Na⁺/Ca²⁺Exchanger Activity, Effectively Protects against Stroke Damage. Molecular Pharmacology, 2013, 83, 142-156.	1.0	39
85	The isolectin <scp>IB</scp>4 binds <scp>RET</scp> receptor tyrosine kinase in microglia. Journal of Neurochemistry, 2013, 126, 428-436.	2.1	43
86	Silencing or knocking out the Na+/Ca2+ exchanger-3 (NCX3) impairs oligodendrocyte differentiation. Cell Death and Differentiation, 2012, 19, 562-572.	5.0	89
87	NCX1 and NCX3: Two new effectors of delayed preconditioning in brain ischemia. Neurobiology of Disease, 2012, 45, 616-623.	2.1	56
88	A New Concept: AÂ1-42 Generates a Hyperfunctional Proteolytic NCX3 Fragment That Delays Caspase-12 Activation and Neuronal Death. Journal of Neuroscience, 2012, 32, 10609-10617.	1.7	66
89	ERK1/2, p38, and JNK regulate the expression and the activity of the three isoforms of the Na⁺/Ca²⁺exchanger, NCX1, NCX2, and NCX3, in neuronal PC12 cells. Journal of Neurochemistry, 2012, 122, 911-922.	2.1	27
90	The Role of Na+/Ca2+ Countertransport and Other Na+-Entry Routes in the Pathophysiology of Stroke. , 2012, , 305-331.		0

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91	Neuroprotective, immunosuppressant and antineoplastic properties of mTOR inhibitors: current and emerging therapeutic options. Current Opinion in Pharmacology, 2011, 11, 378-394.	1.7	73
92	Control of PKA stability and signalling by the RING ligase praja2. Nature Cell Biology, 2011, 13, 412-422.	4.6	77
93	The NCX3 Isoform of the Na+/Ca2+ Exchanger Contributes to Neuroprotection Elicited by Ischemic Postconditioning. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 362-370.	2.4	52
94	NCX1 Is a Novel Target Gene for Hypoxia-Inducible Factor-1 in Ischemic Brain Preconditioning. Stroke, 2011, 42, 754-763.	1.0	67
95	Na⁺â€“Ca²⁺Exchanger (NCX3) Knock-Out Mice Display an Impairment in Hippocampal Long-Term Potentiation and Spatial Learning and Memory. Journal of Neuroscience, 2011, 31, 7312-7321.	1.7	75
96	Nitric Oxide Stimulates NCX1 and NCX2 but Inhibits NCX3 Isoform by Three Distinct Molecular Determinants. Molecular Pharmacology, 2011, 79, 558-568.	1.0	20
97	ASIC1a contributes to neuroprotection elicited by ischemic preconditioning and postconditioning. International Journal of Physiology, Pathophysiology and Pharmacology, 2011, 3, 1-8.	0.8	31
98	Rosuvastatin-induced neuroprotection in cortical neurons exposed to OGD/reoxygenation is due to nitric oxide inhibition and ERK1/2 pathway activation. International Journal of Physiology, Pathophysiology and Pharmacology, 2011, 3, 57-64.	0.8	12
99	Zinc inhibits calcium-mediated and nitric oxide-mediated ion secretion in human enterocytes. European Journal of Pharmacology, 2010, 626, 266-270.	1.7	26
100	Alcohol increases spontaneous BOLD signal fluctuations in the visual network. NeuroImage, 2010, 53, 534-543.	2.1	59
101	Molecular Pharmacology of the Amiloride Analog 3-Amino-6-chloro-5-[(4-chloro-benzyl)amino]-N-[[(2,4-dimethylbenzyl)-amino]iminomethyl]-pyrazinecarboxamide (CB-DMB) as a Pan Inhibitor of the Na⁺-Ca²⁺Exchanger Isoforms NCX1, NCX2, and NCX3 in Stably Transfected Cells. Journal of Pharmacology and Experimental Therapeutics, 2009,	1.3	26
102	Anoxia-Induced NF-kB-Dependent Upregulation of NCX1 Contributes to Ca 2+ Refilling Into Endoplasmic Reticulum in Cortical Neurons. Stroke, 2009, 40, 922-929.	1.0	75
103	NCX1 Expression and Functional Activity Increase in Microglia Invading the Infarct Core. Stroke, 2009, 40, 3608-3617.	1.0	76
104	Expression and function of Na⁺/Ca²⁺ exchangers 1 and 3 in human macrophages and monocytes. European Journal of Immunology, 2009, 39, 1405-1418.	1.6	37
105	Postâ€ischemic brain damage: effect of ischemic preconditioning and postconditioning and identification of potential candidates for stroke therapy. FEBS Journal, 2009, 276, 46-57.	2.2	90
106	Activation of preâ€synaptic Mâ€type K⁺ channels inhibits [³H]<scp>d</scp>â€aspartate release by reducing Ca²⁺ entry through P/Qâ€type voltageâ€gated Ca²⁺channels. Journal of Neurochemistry, 2009, 109, 168-181.	2.1	25
107	Gating currents from neuronal Kv7 channels. Biophysical Journal, 2009, 96, 656a.	0.2	0
108	The Na + /Ca 2+ Exchanger: A Target for Therapeutic Intervention in Cerebral Ischemia. , 2009, , 65-87.		3

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109	GDNF Selectively Induces Microglial Activation and Neuronal Survival in CA1/CA3 Hippocampal Regions Exposed to NMDA Insult through Ret/ERK Signalling. PLoS ONE, 2009, 4, e6486.	1.1	48
110	NCX, Sodium-Calcium Exchanger. , 2009, , 1-17.		0
111	Why have Ionotropic and Metabotropic Glutamate Antagonists Failed in Stroke Therapy?. , 2009, , 13-25.		1
112	Proteolysis of AKAP121 regulates mitochondrial activity during cellular hypoxia and brain ischaemia. EMBO Journal, 2008, 27, 1073-1084.	3.5	87
113	Gating Consequences of Charge Neutralization of Arginine Residues in the S4 Segment of Kv7.2, an Epilepsy-Linked K+ Channel Subunit. Biophysical Journal, 2008, 95, 2254-2264.	0.2	36
114	mGlu1Î± receptors are co-expressed with CB1 receptors in a subset of interneurons in the CA1 region of organotypic hippocampal slice cultures and adult rat brain. Neuropharmacology, 2008, 55, 428-439.	2.0	21
115	Smoking Selectively Accelerates Carotid Atherosclerosis in Hypertensive Patients. High Blood Pressure and Cardiovascular Prevention, 2008, 15, 269-273.	1.0	2
116	A Critical Role for the Potassium-Dependent Sodiumâ€“Calcium Exchanger NCKX2 in Protection against Focal Ischemic Brain Damage. Journal of Neuroscience, 2008, 28, 2053-2063.	1.7	37
117	The Two Isoforms of the Na⁺/Ca²⁺Exchanger, NCX1 and NCX3, Constitute Novel Additional Targets for the Prosurvival Action of Akt/Protein Kinase B Pathway. Molecular Pharmacology, 2008, 73, 727-737.	1.0	55
118	Targeted Disruption of Na⁺/Ca²⁺Exchanger 3 (NCX3) Gene Leads to a Worsening of Ischemic Brain Damage. Journal of Neuroscience, 2008, 28, 1179-1184.	1.7	125
119	Na + /Ca 2+ Exchanger Maintains Ionic Homeostasis in the Peri-Infarct Area. Stroke, 2007, 38, 1614-1620.	1.0	11
120	Antithrombin Reduces Ischemic Volume, Ameliorates Neurologic Deficits, and Prolongs Animal Survival in Both Transient and Permanent Focal Ischemia. Stroke, 2007, 38, 3272-3279.	1.0	22
121	Glutamate-Independent Calcium Toxicity. Stroke, 2007, 38, 661-664.	1.0	27
122	Up-Regulation and Increased Activity of KV3.4 Channels and Their Accessory Subunit MinK-Related Peptide 2 Induced by Amyloid Peptide Are Involved in Apoptotic Neuronal Death. Molecular Pharmacology, 2007, 72, 665-673.	1.0	75
123	Atypical Gating Of M-Type Potassium Channels Conferred by Mutations in Uncharged Residues in the S4 Region of KCNQ2 Causing Benign Familial Neonatal Convulsions. Journal of Neuroscience, 2007, 27, 4919-4928.	1.7	49
124	Analysis of Ion Interactions with the K+ -dependent Na+/Ca+ Exchangers NCKX2, NCKX3, and NCKX4. Journal of Biological Chemistry, 2007, 282, 4453-4462.	1.6	42
125	Differentiation of monocytes into macrophages induces the upregulation of histamine H1 receptor. Journal of Allergy and Clinical Immunology, 2007, 119, 472-481.	1.5	60
126	Zn2+ Slows Down CaV3.3 Gating Kinetics: Implications for Thalamocortical Activity. Journal of Neurophysiology, 2007, 98, 2274-2284.	0.9	19

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127	Involvement of KCNQ2 subunits in [3H]dopamine release triggered by depolarization and pre-synaptic muscarinic receptor activation from rat striatal synaptosomes. Journal of Neurochemistry, 2007, 102, 179-193.	2.1	51
128	NO-induced neuroprotection in ischemic preconditioning stimulates mitochondrial Mn-SOD activity and expression via RAS/ERK1/2 pathway. Journal of Neurochemistry, 2007, 103, 1472-1480.	2.1	52
129	BHK cells transfected with NCX3 are more resistant to hypoxia followed by reoxygenation than those transfected with NCX1 and NCX2: Possible relationship with mitochondrial membrane potential. Cell Calcium, 2007, 42, 521-535.	1.1	95
130	ncx1, ncx2, and ncx3 Gene Product Expression and Function in Neuronal Anoxia and Brain Ischemia. Annals of the New York Academy of Sciences, 2007, 1099, 413-426.	1.8	41
131	Involvement of the Potassium-Dependent Sodium/Calcium Exchanger Gene Product NCKX2 in the Brain Insult Induced by Permanent Focal Cerebral Ischemia. Annals of the New York Academy of Sciences, 2007, 1099, 486-489.	1.8	7
132	The Na+/Ca2+ Exchanger Isoform 3 (NCX3) but Not Isoform 2 (NCX2) and 1 (NCX1) Singly Transfected in BHK Cells Plays a Protective Role in a Model of in Vitro Hypoxia. Annals of the New York Academy of Sciences, 2007, 1099, 481-485.	1.8	16
133	Galactosyl Derivatives of l-Arginine and d-Arginine:â€‰ Synthesis, Stability, Cell Permeation, and Nitric Oxide Production in Pituitary GH3 Cells. Journal of Medicinal Chemistry, 2006, 49, 4826-4833.	2.9	14
134	Human neoplastic mesothelial cells express voltage-gated sodium channels involved in cell motility. International Journal of Biochemistry and Cell Biology, 2006, 38, 1146-1159.	1.2	51
135	Retigabine and flupirtine exert neuroprotective actions in organotypic hippocampal cultures. Neuropharmacology, 2006, 51, 283-294.	2.0	75
136	Permanent Focal Brain Ischemia Induces Isoform-Dependent Changes in the Pattern of Na+/Ca2+ Exchanger Gene Expression in the Ischemic Core, Periinfarct Area, and Intact Brain Regions. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 502-517.	2.4	83
137	Nitric oxide induces [Ca2+]i oscillations in pituitary GH3 cells: involvement of IDR and ERG K+ currents. American Journal of Physiology - Cell Physiology, 2006, 290, C233-C243.	2.1	24
138	Decreased Subunit Stability as a Novel Mechanism for Potassium Current Impairment by a KCNQ2 C Terminus Mutation Causing Benign Familial Neonatal Convulsions. Journal of Biological Chemistry, 2006, 281, 418-428.	1.6	58
139	Mitochondrial AKAP121 Links cAMP and src Signaling to Oxidative Metabolism. Molecular Biology of the Cell, 2006, 17, 263-271.	0.9	140
140	Nuclear factor-Î¹B activation by reactive oxygen species mediates voltage-gated K+ current enhancement by neurotoxic Î²-amyloid peptides in nerve growth factor-differentiated PC-12 cells and hippocampal neurones. Journal of Neurochemistry, 2005, 94, 572-586.	2.1	41
141	Divergent modulation of iron regulatory proteins and ferritin biosynthesis by hypoxia/reoxygenation in neurones and glial cells. Journal of Neurochemistry, 2005, 95, 1321-1331.	2.1	35
142	The Antiepileptic Drug Levetiracetam Decreases the Inositol 1,4,5-Trisphosphate-Dependent [Ca2+]i Increase Induced by ATP and Bradykinin in PC12 Cells. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 720-730.	1.3	42
143	Pharmacology of Brain Na+/Ca2+ Exchanger: From Molecular Biology to Therapeutic Perspectives. Pharmacological Reviews, 2004, 56, 633-654.	7.1	283
144	TSH/cAMP up-regulate sarco/endoplasmic reticulum Ca2+-ATPases expression and activity in PC Cl3 thyroid cells. European Journal of Endocrinology, 2004, 150, 851-861.	1.9	9

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