

# 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	Pharmacology of Brain Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger: From Molecular Biology to Therapeutic Perspectives. <i>Pharmacological Reviews</i> , 2004, 56, 633-654.	7.1	283
2	Dopamine Receptor Expression and Function in Corticotroph Pituitary Tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 2452-2462.	1.8	246
3	Apoptosis induced in neuronal cells by oxidative stress: role played by caspases and intracellular calcium ions. <i>Toxicology Letters</i> , 2003, 139, 125-133.	0.4	236
4	Prolactinomas Resistant to Standard Dopamine Agonists Respond to Chronic Cabergoline Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 876-883.	1.8	219
5	Rhythm-specific modulation of the sensorimotor network in drug-naïve patients with Parkinson's disease by levodopa. <i>Brain</i> , 2013, 136, 710-725.	3.7	178
6	Involvement of D-Aspartic acid in the synthesis of testosterone in rat testes. <i>Life Sciences</i> , 1996, 59, 97-104.	2.0	171
7	M Channels Containing KCNQ2 Subunits Modulate Norepinephrine, Aspartate, and GABA Release from Hippocampal Nerve Terminals. <i>Journal of Neuroscience</i> , 2004, 24, 592-597.	1.7	158
8	Macroprolactinoma Shrinkage during Cabergoline Treatment Is Greater in Naive Patients Than in Patients Pretreated with Other Dopamine Agonists: A Prospective Study in 110 Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 2247-2252.	1.8	157
9	Two Sodium/Calcium Exchanger Gene Products, NCX1 and NCX3, Play a Major Role in the Development of Permanent Focal Cerebral Ischemia. <i>Stroke</i> , 2004, 35, 2566-2570.	1.0	155
10	Reproductive Endocrine Disorders in Women with Primary Generalized Epilepsy. <i>Epilepsia</i> , 1988, 29, 612-619.	2.6	154
11	Long-Term and Low-Dose Treatment with Cabergoline Induces Macroprolactinoma Shrinkage. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 3574-3579.	1.8	146
12	Mitochondrial AKAP121 Links cAMP and src Signaling to Oxidative Metabolism. <i>Molecular Biology of the Cell</i> , 2006, 17, 263-271.	0.9	140
13	Histamine Induces Exocytosis and IL-6 Production from Human Lung Macrophages Through Interaction with H1 Receptors. <i>Journal of Immunology</i> , 2001, 166, 4083-4091.	0.4	135
14	Molecular Basis for the Lack of HERG K <sup>+</sup> Channel Block-Related Cardiotoxicity by the H1 Receptor Blocker Cetirizine Compared with Other Second-Generation Antihistamines. <i>Molecular Pharmacology</i> , 1998, 54, 113-121.	1.0	130
15	Targeted Disruption of Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger 3 (NCX3) Gene Leads to a Worsening of Ischemic Brain Damage. <i>Journal of Neuroscience</i> , 2008, 28, 1179-1184.	1.7	125
16	Benign Familial Neonatal Convulsions Caused by Altered Gating of KCNQ2/KCNQ3 Potassium Channels. <i>Journal of Neuroscience</i> , 2002, 22, RC199-RC199.	1.7	120
17	Dopamine Receptor Expression and Function in Clinically Nonfunctioning Pituitary Tumors: Comparison with the Effectiveness of Cabergoline Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1674-1683.	1.8	120
18	Modulation of ion channels by reactive oxygen and nitrogen species: a pathophysiological role in brain aging?. <i>Neurobiology of Aging</i> , 2002, 23, 819-834.	1.5	111

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19	Differential expression of the Na <sup>+</sup> -Ca <sup>2+</sup> exchanger transcripts and proteins in rat brain regions. <i>Journal of Comparative Neurology</i> , 2003, 461, 31-48.	0.9	106
20	Expression pattern of the ether-a-gogo-related (ERG) k <sup>+</sup> channel-encoding genes ERG1, ERG2, and ERG3 in the adult rat central nervous system. <i>Journal of Comparative Neurology</i> , 2003, 466, 119-135.	0.9	95
21	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. <i>Cell Calcium</i> , 2007, 42, 521-535.	1.1	95
22	Evidence for a protective role played by the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger in cerebral ischemia induced by middle cerebral artery occlusion in male rats. <i>Neuropharmacology</i> , 2004, 46, 439-448.	2.0	94
23	Prolactin in CSF selectively increases dopamine turnover in the median eminence. <i>Life Sciences</i> , 1978, 22, 2037-2041.	2.0	92
24	Post-ischemic brain damage: effect of ischemic preconditioning and postconditioning and identification of potential candidates for stroke therapy. <i>FEBS Journal</i> , 2009, 276, 46-57.	2.2	90
25	Silencing or knocking out the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger-3 (NCX3) impairs oligodendrocyte differentiation. <i>Cell Death and Differentiation</i> , 2012, 19, 562-572.	5.0	89
26	Proteolysis of AKAP121 regulates mitochondrial activity during cellular hypoxia and brain ischaemia. <i>EMBO Journal</i> , 2008, 27, 1073-1084.	3.5	87
27	New Insights into the Second Generation Antihistamines. <i>Drugs</i> , 2001, 61, 207-236.	4.9	85
28	Permanent Focal Brain Ischemia Induces Isoform-Dependent Changes in the Pattern of Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger Gene Expression in the Ischemic Core, Periinfarct Area, and Intact Brain Regions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 502-517.	2.4	83
29	Targeted acetylation of NF-kappaB/RelA and histones by epigenetic drugs reduces post-ischemic brain injury in mice with an extended therapeutic window. <i>Neurobiology of Disease</i> , 2013, 49, 177-189.	2.1	83
30	Regulation of the Tuberoinfundibular and Nigrostriatal Systems. <i>Neuroendocrinology</i> , 1979, 29, 66-76.	1.2	82
31	Protein-tyrosine Kinases Activate while Protein-tyrosine Phosphatases Inhibit L-type Calcium Channel Activity in Pituitary GH3 Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 9441-9446.	1.6	82
32	Regulation of the human ether-a-gogo related gene (HERG) K <sup>+</sup> channels by reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 11698-11703.	3.3	80
33	Ionic Transporter Activity in Astrocytes, Microglia, and Oligodendrocytes During Brain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 969-982.	2.4	79
34	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. <i>Journal of Neuroscience</i> , 2015, 35, 7332-7348.	1.7	78
35	Control of PKA stability and signalling by the RING ligase praja2. <i>Nature Cell Biology</i> , 2011, 13, 412-422.	4.6	77
36	Brain Distribution of the Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger-encoding Genes NCX1, NCX2, and NCX3 and Their Related Proteins in the Central Nervous System. <i>Annals of the New York Academy of Sciences</i> , 2002, 976, 394-404.	1.8	76

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37	NCX1 Expression and Functional Activity Increase in Microglia Invading the Infarct Core. <i>Stroke</i> , 2009, 40, 3608-3617.	1.0	76
38	Retigabine and flupirtine exert neuroprotective actions in organotypic hippocampal cultures. <i>Neuropharmacology</i> , 2006, 51, 283-294.	2.0	75
39	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. <i>Molecular Pharmacology</i> , 2007, 72, 665-673.	1.0	75
40	Anoxia-Induced NF- $\kappa$ B-Dependent Upregulation of NCX1 Contributes to Ca <sup>2+</sup> Refilling Into Endoplasmic Reticulum in Cortical Neurons. <i>Stroke</i> , 2009, 40, 922-929.	1.0	75
41	Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger (NCX3) Knock-Out Mice Display an Impairment in Hippocampal Long-Term Potentiation and Spatial Learning and Memory. <i>Journal of Neuroscience</i> , 2011, 31, 7312-7321.	1.7	75
42	Neuroprotective, immunosuppressant and antineoplastic properties of mTOR inhibitors: current and emerging therapeutic options. <i>Current Opinion in Pharmacology</i> , 2011, 11, 378-394.	1.7	73
43	Cardiotoxic potential and CNS effects of first-generation antihistamines. <i>Trends in Pharmacological Sciences</i> , 2000, 21, 52-56.	4.0	72
44	HIF-1 $\alpha$ reveals a binding activity to the promoter of iNOS gene after permanent middle cerebral artery occlusion. <i>Journal of Neurochemistry</i> , 2004, 90, 368-378.	2.1	72
45	Differences in the Kinetics of Dopamine Uptake in Synaptosome Preparations of the Median Eminence Relative to Other Dopaminergically Inervated Brain Regions. <i>Neuroendocrinology</i> , 1980, 31, 316-320.	1.2	70
46	Pharmacological characterization of serotonin receptors involved in the control of prolactin secretion. <i>European Journal of Pharmacology</i> , 1989, 162, 371-373.	1.7	70
47	Prolactinomas Resistant to Standard Dopamine Agonists Respond to Chronic Cabergoline Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 876-883.	1.8	69
48	Cabergoline. <i>Expert Opinion on Pharmacotherapy</i> , 2000, 1, 555-574.	0.9	67
49	NCX1 Is a Novel Target Gene for Hypoxia-Inducible Factor-1 in Ischemic Brain Preconditioning. <i>Stroke</i> , 2011, 42, 754-763.	1.0	67
50	A New Concept: A $\beta$ 1-42 Generates a Hyperfunctional Proteolytic NCX3 Fragment That Delays Caspase-12 Activation and Neuronal Death. <i>Journal of Neuroscience</i> , 2012, 32, 10609-10617.	1.7	66
51	Lysosomal dysfunction disrupts presynaptic maintenance and restoration of presynaptic function prevents neurodegeneration in lysosomal storage diseases. <i>EMBO Molecular Medicine</i> , 2017, 9, 112-132.	3.3	65
52	NCX3 regulates mitochondrial calcium handling through AKAP121-anchored signaling complex and prevents hypoxia-induced cell death. <i>Journal of Cell Science</i> , 2013, 126, 5566-77.	1.2	64
53	Treatment of prolactinomas. <i>Annals of Medicine</i> , 1998, 30, 452-459.	1.5	63
54	MicroRNA-103-1 Selectively Downregulates Brain NCX1 and Its Inhibition by Anti-miRNA Ameliorates Stroke Damage and Neurological Deficits. <i>Molecular Therapy</i> , 2014, 22, 1829-1838.	3.7	63

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55	Human Ether-a-gogo Related Gene (HERG) K Channels as Pharmacological Targets. <i>Biochemical Pharmacology</i> , 1998, 55, 1741-1746.	2.0	61
56	In the neuronal cell line SH-SY5Y, oxidative stress-induced free radical overproduction causes cell death without any participation of intracellular Ca <sup>2+</sup> increase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1999, 1452, 151-160.	1.9	61
57	The Role of Central Noradrenergic Neurons in the Control of Thyrotropin Secretion in the Rat. <i>Endocrinology</i> , 1977, 100, 738-744.	1.4	60
58	Differentiation of monocytes into macrophages induces the upregulation of histamine H1 receptor. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 472-481.	1.5	60
59	Differential vulnerability of cortical and cerebellar neurons in primary culture to oxygen glucose deprivation followed by reoxygenation. <i>Journal of Neuroscience Research</i> , 2001, 63, 20-26.	1.3	59
60	Sodium Nitroprusside Prevents Chemical Hypoxia-Induced Cell Death Through Iron Ions Stimulating the Activity of the Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger in C6 Glioma Cells. <i>Journal of Neurochemistry</i> , 2002, 74, 1505-1513.	2.1	59
61	Effects of HIV-1 Tat protein on ion secretion and on cell proliferation in human intestinal epithelial cells. <i>Gastroenterology</i> , 2003, 124, 368-376.	0.6	59
62	Alcohol increases spontaneous BOLD signal fluctuations in the visual network. <i>NeuroImage</i> , 2010, 53, 534-543.	2.1	59
63	Decreased Subunit Stability as a Novel Mechanism for Potassium Current Impairment by a KCNQ2 C Terminus Mutation Causing Benign Familial Neonatal Convulsions. <i>Journal of Biological Chemistry</i> , 2006, 281, 418-428.	1.6	58
64	Positive allosteric modulation of indoleamine 2,3-dioxygenase 1 restrains neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3848-3857.	3.3	58
65	Pharmacological evidence of supersensitivity of central serotonergic receptors involved in the control of prolactin secretion. <i>European Journal of Pharmacology</i> , 1981, 76, 9-13.	1.7	57
66	NCX1 and NCX3: Two new effectors of delayed preconditioning in brain ischemia. <i>Neurobiology of Disease</i> , 2012, 45, 616-623.	2.1	56
67	The Two Isoforms of the Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger, NCX1 and NCX3, Constitute Novel Additional Targets for the Prosurvival Action of Akt/Protein Kinase B Pathway. <i>Molecular Pharmacology</i> , 2008, 73, 727-737.	1.0	55
68	NO-induced neuroprotection in ischemic preconditioning stimulates mitochondrial Mn-SOD activity and expression via RAS/ERK1/2 pathway. <i>Journal of Neurochemistry</i> , 2007, 103, 1472-1480.	2.1	52
69	The NCX3 Isoform of the Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger Contributes to Neuroprotection Elicited by Ischemic Postconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 362-370.	2.4	52
70	Human neoplastic mesothelial cells express voltage-gated sodium channels involved in cell motility. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 1146-1159.	1.2	51
71	Involvement of KCNQ2 subunits in [3H]dopamine release triggered by depolarization and pre-synaptic muscarinic receptor activation from rat striatal synaptosomes. <i>Journal of Neurochemistry</i> , 2007, 102, 179-193.	2.1	51
72	Endoplasmic reticulum refilling and mitochondrial calcium extrusion promoted in neurons by NCX1 and NCX3 in ischemic preconditioning are determinant for neuroprotection. <i>Cell Death and Differentiation</i> , 2014, 21, 1142-1149.	5.0	51

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73	A Novel Hyperekplexia-causing Mutation in the Pre-transmembrane Segment 1 of the Human Glycine Receptor $\alpha 1$ Subunit Reduces Membrane Expression and Impairs Gating by Agonists. <i>Journal of Biological Chemistry</i> , 2004, 279, 25598-25604.	1.6	49
74	Atypical Gating Of M-Type Potassium Channels Conferred by Mutations in Uncharged Residues in the S4 Region of KCNQ2 Causing Benign Familial Neonatal Convulsions. <i>Journal of Neuroscience</i> , 2007, 27, 4919-4928.	1.7	49
75	Amyloid $\beta$ -Induced Upregulation of Nav1.6 Underlies Neuronal Hyperactivity in Tg2576 Alzheimer's Disease Mouse Model. <i>Scientific Reports</i> , 2019, 9, 13592.	1.6	49
76	GDNF Selectively Induces Microglial Activation and Neuronal Survival in CA1/CA3 Hippocampal Regions Exposed to NMDA Insult through Ret/ERK Signalling. <i>PLoS ONE</i> , 2009, 4, e6486.	1.1	48
77	nNOS and p-ERK involvement in the neuroprotection exerted by remote postconditioning in rats subjected to transient middle cerebral artery occlusion. <i>Neurobiology of Disease</i> , 2013, 54, 105-114.	2.1	47
78	ORAI1/STIM1 Interaction Intervenes in Stroke and in Neuroprotection Induced by Ischemic Preconditioning Through Store-Operated Calcium Entry. <i>Stroke</i> , 2019, 50, 1240-1249.	1.0	47
79	Pharmacological evidence that the activation of the $\text{Na}^+$ - $\text{Ca}^{2+}$ exchanger protects C6 glioma cells during chemical hypoxia. <i>British Journal of Pharmacology</i> , 1997, 121, 303-309.	2.7	45
80	D-Aspartate treatment attenuates myelin damage and stimulates myelin repair. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	44
81	The isolectin $\text{IB4}$ binds $\text{RET}$ receptor tyrosine kinase in microglia. <i>Journal of Neurochemistry</i> , 2013, 126, 428-436.	2.1	43
82	Glial $\text{Na}^+$ -dependent ion transporters in pathophysiological conditions. <i>Glia</i> , 2016, 64, 1677-1697.	2.5	43
83	The Antiepileptic Drug Levetiracetam Decreases the Inositol 1,4,5-Trisphosphate-Dependent $[\text{Ca}^{2+}]_i$ Increase Induced by ATP and Bradykinin in PC12 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 720-730.	1.3	42
84	Analysis of Ion Interactions with the $\text{K}^+$ -dependent $\text{Na}^+/\text{Ca}^{2+}$ Exchangers NCKX2, NCKX3, and NCKX4. <i>Journal of Biological Chemistry</i> , 2007, 282, 4453-4462.	1.6	42
85	Histamine Receptors and Antihistamines: From Discovery to Clinical Applications. <i>Chemical Immunology and Allergy</i> , 2014, 100, 214-226.	1.7	42
86	Nuclear factor- $\kappa\text{B}$ activation by reactive oxygen species mediates voltage-gated $\text{K}^+$ current enhancement by neurotoxic $\text{A}\beta$ -amyloid peptides in nerve growth factor-differentiated PC-12 cells and hippocampal neurones. <i>Journal of Neurochemistry</i> , 2005, 94, 572-586.	2.1	41
87	$\text{ncx1}$ , $\text{ncx2}$ , and $\text{ncx3}$ Gene Product Expression and Function in Neuronal Anoxia and Brain Ischemia. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 413-426.	1.8	41
88	Ionic Homeostasis Maintenance in ALS: Focus on New Therapeutic Targets. <i>Frontiers in Neuroscience</i> , 2018, 12, 510.	1.4	40
89	$\text{NCX1}$ is a new rest target gene: Role in cerebral ischemia. <i>Neurobiology of Disease</i> , 2013, 50, 76-85.	2.1	39
90	Neurounina-1, a Novel Compound That Increases $\text{Na}^+/\text{Ca}^{2+}$ Exchanger Activity, Effectively Protects against Stroke Damage. <i>Molecular Pharmacology</i> , 2013, 83, 142-156.	1.0	39

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91	Expression and Function of Somatostatin Receptor Subtype 1 in Human Growth Hormone Secreting Pituitary Tumors Deriving from Patients Partially Responsive or Resistant to Long-Term Treatment with Somatostatin Analogs. <i>Neuroendocrinology</i> , 2004, 79, 142-148.	1.2	38
92	NCX as a Key Player in the Neuroprotection Exerted by Ischemic Preconditioning and Postconditioning. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 223-240.	0.8	38
93	Modulation of the K <sup>+</sup> Channels Encoded by the Human Ether-a-Gogo-Related Gene-1 (hERG1) by Nitric Oxide. <i>Molecular Pharmacology</i> , 1999, 56, 1298-1308.	1.0	37
94	A Critical Role for the Potassium-Dependent Sodium-Calcium Exchanger NCKX2 in Protection against Focal Ischemic Brain Damage. <i>Journal of Neuroscience</i> , 2008, 28, 2053-2063.	1.7	37
95	Expression and function of Na <sup>+</sup> /Ca <sup>2+</sup> exchangers 1 and 3 in human macrophages and monocytes. <i>European Journal of Immunology</i> , 2009, 39, 1405-1418.	1.6	37
96	Gating Consequences of Charge Neutralization of Arginine Residues in the S4 Segment of Kv7.2, an Epilepsy-Linked K <sup>+</sup> Channel Subunit. <i>Biophysical Journal</i> , 2008, 95, 2254-2264.	0.2	36
97	Divergent modulation of iron regulatory proteins and ferritin biosynthesis by hypoxia/reoxygenation in neurones and glial cells. <i>Journal of Neurochemistry</i> , 2005, 95, 1321-1331.	2.1	35
98	The expression and activity of K <sup>v</sup> 3.4 channel subunits are precociously upregulated in astrocytes exposed to A $\beta$ oligomers and in astrocytes of Alzheimer's disease Tg2576 mice. <i>Neurobiology of Aging</i> , 2017, 54, 187-198.	1.5	33
99	The Na <sup>+</sup> /Ca <sup>2+</sup> exchanger in Alzheimer's disease. <i>Cell Calcium</i> , 2020, 87, 102190.	1.1	33
100	Felbamate inhibits cloned voltage-dependent Na <sup>+</sup> channels from human and rat brain. <i>European Journal of Pharmacology</i> , 1996, 316, 373-377.	1.7	32
101	Inhibition of HERG1 K <sup>+</sup> channels by the novel second-generation antihistamine mizolastine. <i>British Journal of Pharmacology</i> , 2000, 131, 1081-1088.	2.7	32
102	Pharmacological Blockade of ERG K <sup>+</sup> Channels and Ca <sup>2+</sup> Influx through Store-Operated Channels Exerts Opposite Effects on Intracellular Ca <sup>2+</sup> Oscillations in Pituitary GH <sub>3</sub> Cells. <i>Molecular Pharmacology</i> , 2000, 58, 1115-1128.	1.0	32
103	Does Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger, NCX, Represent a New Druggable Target in Stroke Intervention?. <i>Translational Stroke Research</i> , 2014, 5, 145-155.	2.3	32
104	NCX1 and NCX3 as potential factors contributing to neurodegeneration and neuroinflammation in the A53T transgenic mouse model of Parkinson's Disease. <i>Cell Death and Disease</i> , 2018, 9, 725.	2.7	32
105	Neuronal NCX1 overexpression induces stroke resistance while knockout induces vulnerability via Akt. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1790-1803.	2.4	31
106	ASIC1a contributes to neuroprotection elicited by ischemic preconditioning and postconditioning. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2011, 3, 1-8.	0.8	31
107	Involvement of the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger isoform 1 (NCX1) in Neuronal Growth Factor (NGF)-induced Neuronal Differentiation through Ca <sup>2+</sup> -dependent Akt Phosphorylation. <i>Journal of Biological Chemistry</i> , 2015, 290, 1319-1331.	1.6	30
108	Ca <sup>2+</sup> -independent caspase-3 but not Ca <sup>2+</sup> -dependent caspase-2 activation induced by oxidative stress leads to SH-SY5Y human neuroblastoma cell apoptosis. <i>Journal of Neuroscience Research</i> , 2002, 68, 454-462.	1.3	29

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109	Cu,Zn superoxide dismutase increases intracellular calcium levels via a phospholipase C $\beta$ protein kinase C pathway in SK-N-BE neuroblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 887-892.	1.0	29
110	New Roles of NCX in Glial Cells: Activation of Microglia in Ischemia and Differentiation of Oligodendrocytes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 307-316.	0.8	29
111	Ncx3 gene ablation impairs oligodendrocyte precursor response and increases susceptibility to experimental autoimmune encephalomyelitis. <i>Glia</i> , 2016, 64, 1124-1137.	2.5	29
112	Feedback inhibition of cAMP effector signaling by a chaperone-assisted ubiquitin system. <i>Nature Communications</i> , 2019, 10, 2572.	5.8	29
113	ApoSOD1 lacking dismutase activity neuroprotects motor neurons exposed to beta-methylamino-L-alanine through the Ca <sup>2+</sup> /Akt/ERK1/2 prosurvival pathway. <i>Cell Death and Differentiation</i> , 2017, 24, 511-522.	5.0	28
114	Glutamate-Independent Calcium Toxicity. <i>Stroke</i> , 2007, 38, 661-664.	1.0	27
115	ERK1/2, p38, and JNK regulate the expression and the activity of the three isoforms of the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger, NCX1, NCX2, and NCX3, in neuronal PC12 cells. <i>Journal of Neurochemistry</i> , 2012, 122, 911-922.	2.1	27
116	Ischemic tolerance modulates TRAIL expression and its receptors and generates a neuroprotected phenotype. <i>Cell Death and Disease</i> , 2014, 5, e1331-e1331.	2.7	27
117	Sumoylation of LYS590 of NCX3 f-Loop by SUMO1 Participates in Brain Neuroprotection Induced by Ischemic Preconditioning. <i>Stroke</i> , 2016, 47, 1085-1093.	1.0	27
118	Gadolinium and neomycin block voltage-sensitive Ca <sup>2+</sup> channels without interfering with the Na <sup>+</sup> -Ca <sup>2+</sup> antiporter in brain nerve endings. <i>European Journal of Pharmacology</i> , 1993, 245, 97-103.	2.7	26
119	Imatinib-Mesylate Blocks Recombinant T-Type Calcium Channels Expressed in Human Embryonic Kidney-293 Cells by a Protein Tyrosine Kinase-Independent Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 208-215.	1.3	26
120	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 <sup>+</sup> -Ca <sup>2+</sup> Exchanger Isoforms NCX1, NCX2, and NCX3 in Stably Transfected Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 212-221.	1.3	26
121	Zinc inhibits calcium-mediated and nitric oxide-mediated ion secretion in human enterocytes. <i>European Journal of Pharmacology</i> , 2010, 626, 266-270.	1.7	26
122	Preconditioning, induced by sub-toxic dose of the neurotoxin L-BMAA, delays ALS progression in mice and prevents Na <sup>+</sup> /Ca <sup>2+</sup> exchanger 3 downregulation. <i>Cell Death and Disease</i> , 2018, 9, 206.	2.7	26
123	Synergistic Association of Valproate and Resveratrol Reduces Brain Injury in Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2018, 19, 172.	1.8	26
124	Effect of maitotoxin on cytosolic Ca <sup>2+</sup> levels and membrane potential in purified rat brain synaptosomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1026, 126-132.	1.4	25
125	Involvement of PI3K, mitogen-activated protein kinase and protein kinase B in the up-regulation of the expression of nNOS $\alpha$ and nNOS $\beta$ splicing variants induced by PRL-receptor activation in CH3cells. <i>Journal of Neurochemistry</i> , 2003, 84, 1367-1377.	2.1	25
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218	Na <sup>+</sup> /Ca <sup>2+</sup> exchanger isoform 1 takes part to the Ca <sup>2+</sup> -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
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