

Anna Pannaccione

List of Publications by Year in descending order

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52
papers

1,879
citations

236833

25
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254106

43
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53
all docs

53
docs citations

53
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Molecular Basis for the Lack of HERG K ⁺ 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
3	Targeted Disruption of Na ⁺ /Ca ²⁺ Exchanger 3 (NCX3) Gene Leads to a Worsening of Ischemic Brain Damage. <i>Journal of Neuroscience</i> , 2008, 28, 1179-1184.	1.7	125
4	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
5	NCX1 Expression and Functional Activity Increase in Microglia Invading the Infarct Core. <i>Stroke</i> , 2009, 40, 3608-3617.	1.0	76
6	Anoxia-Induced NF- κ B-Dependent Upregulation of NCX1 Contributes to Ca ²⁺ Refilling Into Endoplasmic Reticulum in Cortical Neurons. <i>Stroke</i> , 2009, 40, 922-929.	1.0	75
7	Na ⁺ /Ca ²⁺ 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
8	A New Concept: A β 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
9	Human Ether-a-gogo Related Gene (HERG) K Channels as Pharmacological Targets. <i>Biochemical Pharmacology</i> , 1998, 55, 1741-1746.	2.0	61
10	Amyloid β -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
11	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
12	D-Aspartate treatment attenuates myelin damage and stimulates myelin repair. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	44
13	Nuclear factor- κ B activation by reactive oxygen species mediates voltage-gated K ⁺ current enhancement by neurotoxic β -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
14	NCX1 is a new rest target gene: Role in cerebral ischemia. <i>Neurobiology of Disease</i> , 2013, 50, 76-85.	2.1	39
15	Neurounina-1, a Novel Compound That Increases Na ⁺ /Ca ²⁺ Exchanger Activity, Effectively Protects against Stroke Damage. <i>Molecular Pharmacology</i> , 2013, 83, 142-156.	1.0	39
16	Biochemical and functional identification of GABA receptors in <i>Hydra vulgaris</i> . <i>Life Sciences</i> , 1995, 56, 1485-1497.	2.0	38
17	Modulation of the K ⁺ 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
18	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

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19	The expression and activity of K V 3.4 channel subunits are precociously upregulated in astrocytes exposed to A β oligomers and in astrocytes of Alzheimer's disease Tg2576 mice. <i>Neurobiology of Aging</i> , 2017, 54, 187-198.	1.5	33
20	The Na ⁺ /Ca ²⁺ exchanger in Alzheimer's disease. <i>Cell Calcium</i> , 2020, 87, 102190.	1.1	33
21	Inhibition of HERG1 K ⁺ channels by the novel second-generation antihistamine mizolastine. <i>British Journal of Pharmacology</i> , 2000, 131, 1081-1088.	2.7	32
22	Lavender and coriander essential oils and their main component linalool exert a protective effect against amyloid β neurotoxicity. <i>Phytotherapy Research</i> , 2021, 35, 486-493.	2.8	32
23	Involvement of the Na ⁺ /Ca ²⁺ exchanger isoform 1 (NCX1) in Neuronal Growth Factor (NGF)-induced Neuronal Differentiation through Ca ²⁺ -dependent Akt Phosphorylation. <i>Journal of Biological Chemistry</i> , 2015, 290, 1319-1331.	1.6	30
24	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
25	The Antioxidant Activity of Limonene Counteracts Neurotoxicity Triggered by A β ²¹⁻⁴² Oligomers in Primary Cortical Neurons. <i>Antioxidants</i> , 2021, 10, 937.	2.2	29
26	ERK1/2, p38, and JNK regulate the expression and the activity of the three isoforms of the Na ⁺ /Ca ²⁺ exchanger, NCX1, NCX2, and NCX3, in neuronal PC12 cells. <i>Journal of Neurochemistry</i> , 2012, 122, 911-922.	2.1	27
27	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 ⁺ /Ca ²⁺ 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
28	Nitric oxide induces [Ca ²⁺] _i oscillations in pituitary GH3 cells: involvement of IDR and ERG K ⁺ currents. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C233-C243.	2.1	24
29	NCX1 Exchanger Cooperates with Calretinin to Confer Preconditioning-Induced Tolerance Against Cerebral Ischemia in the Striatum. <i>Molecular Neurobiology</i> , 2016, 53, 1365-1376.	1.9	21
30	Total tin and organotin in seawater from the Gulf of Naples, Italy. <i>Marine Pollution Bulletin</i> , 1993, 26, 338-341.	2.3	20
31	Nitric Oxide Stimulates NCX1 and NCX2 but Inhibits NCX3 Isoform by Three Distinct Molecular Determinants. <i>Molecular Pharmacology</i> , 2011, 79, 558-568.	1.0	20
32	Genetically Modified Mice as a Strategy to Unravel the Role Played by the Na ⁺ /Ca ²⁺ Exchanger in Brain Ischemia and in Spatial Learning and Memory Deficits. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 213-222.	0.8	19
33	Immunomodulation-induced [3H]noradrenaline release from SH-SY5Y human neuroblastoma cells by some second-generation H1 receptor antagonists through blockade of store-operated Ca ²⁺ channels (SOCs)11Abbreviations: hERG, human Ether-a-go-go Related Gene; SOC, Ca ²⁺ currents activated by [Ca ²⁺] _i store depletion; NE, norepinephrine; [K ⁺] _e , extracellular K ⁺ concentration; [Ca ²⁺] _i , intracellular Ca ²⁺ concentration; HBS, HEPES-buffered saline; SERCA.	2.0	17
34	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. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1361-1370.	1.7	16
35	A New Cell-penetrating Peptide That Blocks the Autoinhibitory XIP Domain of NCX1 and Enhances Antiporter Activity. <i>Molecular Therapy</i> , 2015, 23, 465-476.	3.7	16
36	Na ⁺ /Ca ²⁺ exchanger 1 on nuclear envelope controls PTEN/Akt pathway via nucleoplasmic Ca ²⁺ regulation during neuronal differentiation. <i>Cell Death Discovery</i> , 2018, 4, 12.	2.0	16

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37	Histidines 578 and 587 in the S5-S6 Linker of the Human Ether-a-gogo Related Gene-1K ⁺ Channels Confer Sensitivity to Reactive Oxygen Species. <i>Journal of Biological Chemistry</i> , 2002, 277, 8912-8919.	1.6	13
38	Nuclear localization of NCX: Role in Ca ²⁺ handling and pathophysiological implications. <i>Cell Calcium</i> , 2020, 86, 102143.	1.1	13
39	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- β Peptide. <i>Frontiers in Chemistry</i> , 2019, 7, 479.	1.8	11
40	The Na ⁺ /Ca ²⁺ exchangers in demyelinating diseases. <i>Cell Calcium</i> , 2020, 85, 102130.	1.1	11
41	Genetic Up-Regulation or Pharmacological Activation of the Na ⁺ /Ca ²⁺ Exchanger 1 (NCX1) Enhances Hippocampal-Dependent Contextual and Spatial Learning and Memory. <i>Molecular Neurobiology</i> , 2020, 57, 2358-2376.	1.9	11
42	Na ⁺ /Ca ²⁺ 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. <i>Cell Calcium</i> , 2022, 101, 102525.	1.1	9
43	The Na ⁺ /Ca ²⁺ Exchanger 3 Is Functionally Coupled With the NaV1.6 Voltage-Gated Channel and Promotes an Endoplasmic Reticulum Ca ²⁺ Refilling in a Transgenic Model of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 775271.	1.6	7
44	The Anemonia sulcata Toxin BDS-I Protects Astrocytes Exposed to A β 1-42 Oligomers by Restoring [Ca ²⁺] _i Transients and ER Ca ²⁺ Signaling. <i>Toxins</i> , 2021, 13, 20.	1.5	6
45	New Insights into the Structure-Activity Relationship and Neuroprotective Profile of Benzodiazepinone Derivatives of <i>Neurotinin-1</i> as Modulators of the Na ⁺ /Ca ²⁺ Exchanger Isoforms. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17901-17919.	2.9	6
46	Genetically modified mice to unravel physiological and pathophysiological roles played by NCX isoforms. <i>Cell Calcium</i> , 2020, 87, 102189.	1.1	5
47	The new K ^v 3.4 inhibitor BDS-I[18] as a potential pharmacological opportunity in Alzheimer's disease therapy. <i>Neural Regeneration Research</i> , 2020, 15, 1255.	1.6	5
48	Na ⁺ /Ca ²⁺ exchanger isoform 1 takes part to the Ca ²⁺ -related prosurvival pathway of SOD1 in primary motor neurons exposed to beta-methylamino-L-alanine. <i>Cell Communication and Signaling</i> , 2022, 20, 8.	2.7	4
49	IN BRAIN POST-ISCHEMIC PLASTICITY, Na ⁺ /Ca ²⁺ EXCHANGER 1 AND Ascl1 INTERVENE IN MICROGLIA-DEPENDENT CONVERSION OF ASTROCYTES INTO NEURONAL LINEAGE. <i>Cell Calcium</i> , 2022, 105, 102608.	1.1	4
50	Synthesis and Characterization of Novel Mono- and Bis-Guanyl Hydrazones as Potent and Selective ASIC1 Inhibitors Able to Reduce Brain Ischemic Insult. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8333-8353.	2.9	3
51	The Na ⁺ /Ca ²⁺ Exchanger: A Target for Therapeutic Intervention in Cerebral Ischemia. , 2009, , 65-87.		3
52	Rebound effects of NCX3 pharmacological inhibition: A novel strategy to accelerate myelin formation in oligodendrocytes. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112111.	2.5	2