

Giuseppe Pignataro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

3,617
citations

32
h-index

58
g-index

117
ext. papers

3,973
ext. citations

6.4
avg, IF

5.06
L-index

#	Paper	IF	Citations
101	Ischemic Preconditioning Modulates the Peripheral Innate Immune System to Promote Anti-Inflammatory and Protective Responses in Mice Subjected to Focal Cerebral Ischemia.. <i>Frontiers in Immunology</i> , 2022 , 13, 825834	8.4	1
100	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	4	0
99	Na ⁺ /Ca ²⁺ Exchangers 2021 , 1037-1047		
98	Hemorrhagic Stroke Induces a Time-Dependent Upregulation of miR-150-5p and miR-181b-5p in the Bloodstream. <i>Frontiers in Neurology</i> , 2021 , 12, 736474	4.1	0
97	Emerging Role of microRNAs in Stroke Protection Elicited by Remote Postconditioning. <i>Frontiers in Neurology</i> , 2021 , 12, 748709	4.1	3
96	GATA3 (GATA-Binding Protein 3)/KMT2A (Lysine-Methyltransferase-2A) Complex by Increasing H3K4-3me (Trimethylated Lysine-4 of Histone-3) Upregulates NCX3 (Na-Ca Exchanger 3) Transcription and Contributes to Ischemic Preconditioning Neuroprotection. <i>Stroke</i> , 2021 , 52, 3680-3691	6.7	1
95	miR-16-5p, miR-103-3p, and miR-27b-3p as Early Peripheral Biomarkers of Fetal Growth Restriction. <i>Frontiers in Pediatrics</i> , 2021 , 9, 611112	3.4	4
94	Neurological risks and benefits of cytokine-based treatments in coronavirus disease 2019: from preclinical to clinical evidence. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	1
93	The hypoxia sensitive metal transcription factor MTF-1 activates NCX1 brain promoter and participates in remote postconditioning neuroprotection in stroke. <i>Cell Death and Disease</i> , 2021 , 12, 423	9.8	3
92	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	8.3	1
91	In vivo imaging of CNS microglial activation/macrophage infiltration with combined [F]DPA-714-PET and SPIO-MRI in a mouse model of relapsing remitting experimental autoimmune encephalomyelitis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 40-52	8.8	8
90	Prolonged NCX activation prevents SOD1 accumulation, reduces neuroinflammation, ameliorates motor behavior and prolongs survival in a ALS mouse model. <i>Neurobiology of Disease</i> , 2021 , 159, 105480	7.5	1
89	Sumoylation of sodium/calcium exchanger in brain ischemia and ischemic preconditioning. <i>Cell Calcium</i> , 2020 , 87, 102195	4	1
88	Learning, proximity and voting: theory and empirical evidence from nuclear referenda. <i>Social Choice and Welfare</i> , 2020 , 55, 117-147	0.7	
87	Sodium/calcium exchanger as main effector of endogenous neuroprotection elicited by ischemic tolerance. <i>Cell Calcium</i> , 2020 , 87, 102183	4	6
86	Neurobiology of coronaviruses: Potential relevance for COVID-19. <i>Neurobiology of Disease</i> , 2020 , 143, 105007	7.5	23
85	New perspectives for selective NCX activators in neurodegenerative diseases. <i>Cell Calcium</i> , 2020 , 87, 102170	4	4

84	miR-206 Reduces the Severity of Motor Neuron Degeneration in the Facial Nuclei of the Brainstem in a Mouse Model of SMA. <i>Molecular Therapy</i> , 2020 , 28, 1154-1166	11.7	11
83	Multicentre translational Trial of Remote Ischaemic Conditioning in Acute Ischaemic Stroke (TRICS): protocol of multicentre, parallel group, randomised, preclinical trial in female and male rat and mouse from the Italian Stroke Organization (ISO) Basic Science network.. <i>BMJ Open Science</i> , 2020 , 7, 1000118	4.6	5
82	HDAC4 and HDAC5 form a complex with DREAM that epigenetically down-regulates NCX3 gene and its pharmacological inhibition reduces neuronal stroke damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 2081-2097	7.3	8
81	The effects of environmental quality misperception on investments and regulation. <i>International Journal of Production Economics</i> , 2020 , 225, 107579	9.3	3
80	Remote postconditioning ameliorates stroke damage by preventing let-7a and miR-143 up-regulation. <i>Theranostics</i> , 2020 , 10, 12174-12188	12.1	8
79	On the social (sub)optimality of divisionalization under product differentiation. <i>Journal of Economics/ Zeitschrift Fur Nationalokonomie</i> , 2019 , 128, 225-238	1	2
78	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. <i>Frontiers in Pharmacology</i> , 2019 , 10, 432	5.6	3
77	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	6.7	28
76	Anti-miR-223-5p Ameliorates Ischemic Damage and Improves Neurological Function by Preventing NCKX2 Downregulation after Ischemia in Rats. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 18, 1063-1071	10.7	12
75	Preconditioning, induced by sub-toxic dose of the neurotoxin L-BMAA, delays ALS progression in mice and prevents Na/Ca exchanger 3 downregulation. <i>Cell Death and Disease</i> , 2018 , 9, 206	9.8	18
74	Acute and long-term NCX activation reduces brain injury and restores behavioral functions in mice subjected to neonatal brain ischemia. <i>Neuropharmacology</i> , 2018 , 135, 180-191	5.5	13
73	Synergistic Association of Valproate and Resveratrol Reduces Brain Injury in Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	20
72	Ionic Homeostasis Maintenance in ALS: Focus on New Therapeutic Targets. <i>Frontiers in Neuroscience</i> , 2018 , 12, 510	5.1	29
71	Models and methods for conditioning the ischemic brain. <i>Journal of Neuroscience Methods</i> , 2018 , 310, 63-74	3	9
70	Pool size and the sustainability of optimal risk-sharing agreements. <i>Theory and Decision</i> , 2017 , 82, 273-303	10.8	2
69	Urokinase-type plasminogen activator receptor (uPAR) expression enhances invasion and metastasis in RAS mutated tumors. <i>Scientific Reports</i> , 2017 , 7, 9388	4.9	33
68	Neuroprotective coordination of cell mitophagy by the ATPase Inhibitory Factor 1. <i>Pharmacological Research</i> , 2016 , 103, 56-68	10.2	16
67	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	7.3	26

66	NCX1 Exchanger Cooperates with Calretinin to Confer Preconditioning-Induced Tolerance Against Cerebral Ischemia in the Striatum. <i>Molecular Neurobiology</i> , 2016 , 53, 1365-1376	6.2	19
65	Imaging of brain TSPO expression in a mouse model of amyotrophic lateral sclerosis with (18)F-DPA-714 and micro-PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1348-59	8.8	28
64	Sumoylation of LYS590 of NCX3 F-Loop by SUMO1 Participates in Brain Neuroprotection Induced by Ischemic Preconditioning. <i>Stroke</i> , 2016 , 47, 1085-93	6.7	23
63	A graph-based approach to inequality assessment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 455, 65-78	3.3	4
62	Glial Na(+)-dependent ion transporters in pathophysiological conditions. <i>Glia</i> , 2016 , 64, 1677-97	9	34
61	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, 7332-48	6.6	67
60	Neuroprotective Effect of VEGF-Mimetic Peptide QK in Experimental Brain Ischemia Induced in Rat by Middle Cerebral Artery Occlusion. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1517-25	5.7	20
59	Effects of bone marrow mesenchymal stem cells (BM-MSCs) on rat pial microvascular remodeling after transient middle cerebral artery occlusion. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 329	6.1	5
58	Ionic homeostasis in brain conditioning. <i>Frontiers in Neuroscience</i> , 2015 , 9, 277	5.1	23
57	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, 1361-70	5.7	13
56	Genetic ablation of homeodomain-interacting protein kinase 2 selectively induces apoptosis of cerebellar Purkinje cells during adulthood and generates an ataxic-like phenotype. <i>Cell Death and Disease</i> , 2015 , 6, e2004	9.8	12
55	Does Na ⁺ /Ca ²⁺ exchanger, NCX, represent a new druggable target in stroke intervention?. <i>Translational Stroke Research</i> , 2014 , 5, 145-55	7.8	20
54	Ischemic tolerance modulates TRAIL expression and its receptors and generates a neuroprotected phenotype. <i>Cell Death and Disease</i> , 2014 , 5, e1331	9.8	24
53	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, 1829-38	11.7	54
52	microRNA 103-1 exerts a neuroprotective effect in stroke by enhancing ncx1 expression in the brain (654.1). <i>FASEB Journal</i> , 2014 , 28, 654.1	0.9	
51	Unfair credit allocations. <i>Small Business Economics</i> , 2013 , 41, 241-251	5.3	6
50	Conjunctival instillation of plasminogen eliminates ocular lesion in B6.129P2-Plg(tm1Jld) transgenic mice, a model of ligneous conjunctivitis. <i>Pharmacological Research</i> , 2013 , 74, 45-8	10.2	2
49	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, 105-14	7.5	41

48	Transcriptional regulation of ncx1 gene in the brain. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 961, 137-45	3.6	14
47	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, 213-22	3.6	17
46	NCX as a key player in the neuroprotection exerted by ischemic preconditioning and postconditioning. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 961, 223-40	3.6	30
45	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, 177-89	7.5	71
44	NCX1 is a new rest target gene: role in cerebral ischemia. <i>Neurobiology of Disease</i> , 2013 , 50, 76-85	7.5	36
43	Ionic transporter activity in astrocytes, microglia, and oligodendrocytes during brain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 969-82	7.3	65
42	Rhythm-specific modulation of the sensorimotor network in drug-naive patients with Parkinson's disease by levodopa. <i>Brain</i> , 2013 , 136, 710-25	11.2	150
41	Neurounina-1, a novel compound that increases Na ⁺ /Ca ²⁺ exchanger activity, effectively protects against stroke damage. <i>Molecular Pharmacology</i> , 2013 , 83, 142-56	4.3	34
40	Surgical Methods to Induce Brain Preconditioning 2013 , 225-240		
39	NCX1 and NCX3: two new effectors of delayed preconditioning in brain ischemia. <i>Neurobiology of Disease</i> , 2012 , 45, 616-23	7.5	49
38	Protective Effects of Quercetin on Rat Pial Microvascular Changes during Transient Bilateral Common Carotid Artery Occlusion and Reperfusion. <i>Frontiers in Physiology</i> , 2012 , 3, 32	4.6	18
37	Rat Pial Microvascular Responses to Transient Bilateral Common Carotid Artery Occlusion and Reperfusion: Quercetin's Mechanism of Action. <i>Frontiers in Physiology</i> , 2012 , 3, 99	4.6	17
36	Neuroprotective, immunosuppressant and antineoplastic properties of mTOR inhibitors: current and emerging therapeutic options. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 378-94	5.1	66
35	The NCX3 isoform of the Na ⁺ /Ca ²⁺ exchanger contributes to neuroprotection elicited by ischemic postconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 362-70	7.3	48
34	NCX1 is a novel target gene for hypoxia-inducible factor-1 in ischemic brain preconditioning. <i>Stroke</i> , 2011 , 42, 754-63	6.7	59
33	ASIC1a contributes to neuroprotection elicited by ischemic preconditioning and postconditioning. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2011 , 3, 1-8	3.4	30
32	Ischemic preconditioning regulates expression of microRNAs and a predicted target, MeCP2, in mouse cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 744-56	7.3	140
31	Alcohol increases spontaneous BOLD signal fluctuations in the visual network. <i>NeuroImage</i> , 2010 , 53, 534-43	7.9	51

30	S.25.02 Ion channels and exchangers as potential targets for stroke therapy. <i>European Neuropsychopharmacology</i> , 2010 , 20, S201	1.2	
29	Defective neuropeptide processing and ischemic brain injury: a study on proprotein convertase 2 and its substrate neuropeptide in ischemic brains. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 698-706	7.3	8
28	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	5.7	76
27	Clinical Trials with Drugs Targeting Ionic Channels, Antiporters, and Pumps in Ischemic Stroke 2009 , 225-249		1
26	The Na ⁺ /Ca ²⁺ Exchanger: A Target for Therapeutic Intervention in Cerebral Ischemia 2009 , 65-87		3
25	Acid-Sensing Ion Channels (ASICs): New Targets in Stroke Treatment 2009 , 153-173		1
24	Why have Ionotropic and Metabotropic Glutamate Antagonists Failed in Stroke Therapy? 2009 , 13-25		1
23	Downregulation of hippocampal adenosine kinase after focal ischemia as potential endogenous neuroprotective mechanism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 17-23	7.3	73
22	In vivo and in vitro characterization of a novel neuroprotective strategy for stroke: ischemic postconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 232-41	7.3	178
21	Acid-sensing ion channels (ASICs) as pharmacological targets for neurodegenerative diseases. <i>Current Opinion in Pharmacology</i> , 2008 , 8, 25-32	5.1	188
20	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, 2053-63	6.6	32
19	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, 1179-84	6.6	109
18	Transgenic overexpression of adenosine kinase aggravates cell death in ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1-5	7.3	89
17	Neuroprotection in ischemic mouse brain induced by stem cell-derived brain implants. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 919-27	7.3	37
16	ncx1, ncx2, and ncx3 gene product expression and function in neuronal anoxia and brain ischemia. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1099, 413-26	6.5	37
15	Involvement of the potassium-dependent sodium/calcium exchanger gene product NCKX2 in the brain insult induced by permanent focal cerebral ischemia. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1099, 486-9	6.5	7
14	Prolonged activation of ASIC1a and the time window for neuroprotection in cerebral ischaemia. <i>Brain</i> , 2007 , 130, 151-8	11.2	208
13	Antithrombin reduces ischemic volume, ameliorates neurologic deficits, and prolongs animal survival in both transient and permanent focal ischemia. <i>Stroke</i> , 2007 , 38, 3272-9	6.7	18

12	Glutamate-independent calcium toxicity: introduction. <i>Stroke</i> , 2007 , 38, 661-4	6.7	24
11	Permanent focal brain ischemia induces isoform-dependent changes in the pattern of Na ⁺ /Ca ²⁺ exchanger gene expression in the ischemic core, periinfarct area, and intact brain regions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 502-17	7.3	75
10	Divergent modulation of iron regulatory proteins and ferritin biosynthesis by hypoxia/reoxygenation in neurones and glial cells. <i>Journal of Neurochemistry</i> , 2005 , 95, 1321-31	6	33
9	Pharmacology of brain Na ⁺ /Ca ²⁺ exchanger: from molecular biology to therapeutic perspectives. <i>Pharmacological Reviews</i> , 2004 , 56, 633-54	22.5	258
8	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, 2566-70	6.7	139
7	HIF-1alpha reveals a binding activity to the promoter of iNOS gene after permanent middle cerebral artery occlusion. <i>Journal of Neurochemistry</i> , 2004 , 90, 368-78	6	65
6	Evidence for a protective role played by the Na ⁺ /Ca ²⁺ exchanger in cerebral ischemia induced by middle cerebral artery occlusion in male rats. <i>Neuropharmacology</i> , 2004 , 46, 439-48	5.5	88
5	Apoptosis induced in neuronal cells by oxidative stress: role played by caspases and intracellular calcium ions. <i>Toxicology Letters</i> , 2003 , 139, 125-33	4.4	214
4	Na ⁺ /Ca ²⁺ exchanger in Na ⁺ efflux-Ca ²⁺ influx mode of operation exerts a neuroprotective role in cellular models of in vitro anoxia and in vivo cerebral ischemia. <i>Annals of the New York Academy of Sciences</i> , 2002 , 976, 408-12	6.5	16
3	The 2-oxopyrrolidinacetamide piracetam reduces infarct brain volume induced by permanent middle cerebral artery occlusion in male rats. <i>Neuropharmacology</i> , 2002 , 43, 427-33	5.5	21
2	Is coeliac disease a confounding factor in the diagnosis of NASH?. <i>Gut</i> , 2001 , 49, 596	19.2	20
1	Competition among coalitions in a cournot industry: a validation of the porter hypothesis. <i>Japanese Economic Review</i> , 1	0.5	