

Maria Cristina DAdamo

List of Publications by Citations

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58
papers

1,500
citations

24
h-index

37
g-index

64
ext. papers

1,723
ext. citations

6
avg, IF

4.08
L-index

#	Paper	IF	Citations
58	pH dependence of the inwardly rectifying potassium channel, Kir5.1, and localization in renal tubular epithelia. <i>Journal of Biological Chemistry</i> , 2000 , 275, 16404-7	5.4	103
57	Differential pH sensitivity of Kir4.1 and Kir4.2 potassium channels and their modulation by heteropolymerisation with Kir5.1. <i>Journal of Physiology</i> , 2001 , 532, 359-67	3.9	102
56	De novo point mutations in patients diagnosed with ataxic cerebral palsy. <i>Brain</i> , 2015 , 138, 1817-32	11.2	101
55	Autism with seizures and intellectual disability: possible causative role of gain-of-function of the inwardly-rectifying K ⁺ channel Kir4.1. <i>Neurobiology of Disease</i> , 2011 , 43, 239-47	7.5	90
54	Thymosin β 4 represents a potential potent single-molecule-based therapy for cystic fibrosis. <i>Nature Medicine</i> , 2017 , 23, 590-600	50.5	75
53	Episodic ataxia type-1 mutations in the hKv1.1 cytoplasmic pore region alter the gating properties of the channel. <i>EMBO Journal</i> , 1998 , 17, 1200-7	13	68
52	Mutations in the KCNA1 gene associated with episodic ataxia type-1 syndrome impair heteromeric voltage-gated K ⁽⁺⁾ channel function. <i>FASEB Journal</i> , 1999 , 13, 1335-45	0.9	64
51	K ⁽⁺⁾ channelepsy: progress in the neurobiology of potassium channels and epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 134	6.1	63
50	Genetically induced dysfunctions of Kir2.1 channels: implications for short QT3 syndrome and autism-epilepsy phenotype. <i>Human Molecular Genetics</i> , 2014 , 23, 4875-86	5.6	52
49	Update on the implication of potassium channels in autism: K ⁽⁺⁾ channel autism spectrum disorder. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 34	6.1	49
48	Episodic ataxia type 1 mutations in the KCNA1 gene impair the fast inactivation properties of the human potassium channels Kv1.4-1.1/Kvbeta1.1 and Kv1.4-1.1/Kvbeta1.2. <i>European Journal of Neuroscience</i> , 2006 , 24, 3073-83	3.5	45
47	Gain-of-function defects of astrocytic Kir4.1 channels in children with autism spectrum disorders and epilepsy. <i>Scientific Reports</i> , 2016 , 6, 34325	4.9	43
46	New insights into the pathogenesis and therapeutics of episodic ataxia type 1. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 317	6.1	40
45	Genetic inactivation of Kcnj16 identifies Kir5.1 as an important determinant of neuronal PCO ₂ /pH sensitivity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 192-8	5.4	37
44	Localization and age-dependent expression of the inward rectifier K ⁺ channel subunit Kir 5.1 in a mammalian reproductive system. <i>FEBS Letters</i> , 1999 , 449, 146-52	3.8	37
43	Identification of a heteromeric interaction that influences the rectification, gating, and pH sensitivity of Kir4.1/Kir5.1 potassium channels. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43533-40	5.4	36
42	Dexamethasone in Glioblastoma Multiforme Therapy: Mechanisms and Controversies. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 65	6.1	34

41	Novel phenotype associated with a mutation in the KCNA1(Kv1.1) gene. <i>Frontiers in Physiology</i> , 2014 , 5, 525	4.6	30
40	Expression in E. coli and purification of recombinant fragments of wild type and mutant human prion protein. <i>Neurochemistry International</i> , 2002 , 41, 55-63	4.4	30
39	A novel KCNA1 mutation identified in an Italian family affected by episodic ataxia type 1. <i>Neuroscience</i> , 2008 , 157, 577-87	3.9	29
38	Kv1.1 knock-in ataxic mice exhibit spontaneous myokymic activity exacerbated by fatigue, ischemia and low temperature. <i>Neurobiology of Disease</i> , 2012 , 47, 310-21	7.5	27
37	Episodic ataxia type 1 mutation F184C alters Zn ²⁺ -induced modulation of the human K ⁺ channel Kv1.4-Kv1.1/Kvbeta1.1. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C778-87	5.4	26
36	Episodic ataxia type 1 mutations affect fast inactivation of K ⁺ channels by a reduction in either subunit surface expression or affinity for inactivation domain. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C1314-22	5.4	25
35	Kv1.1 Channelopathies: Pathophysiological Mechanisms and Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	24
34	Role of receptor protein tyrosine phosphatase alpha (RPTPalpha) and tyrosine phosphorylation in the serotonergic inhibition of voltage-dependent potassium channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 441, 257-62	4.6	24
33	Functional characterization of an episodic ataxia type-1 mutation occurring in the S1 segment of hKv1.1 channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2003 , 446, 373-9	4.6	23
32	Contribution of the central hydrophobic residue in the PXP motif of voltage-dependent K ⁺ channels to S6 flexibility and gating properties. <i>Channels</i> , 2009 , 3, 39-45	3	17
31	An episodic ataxia type-1 mutation in the S1 segment sensitises the hKv1.1 potassium channel to extracellular Zn ²⁺ . <i>FEBS Letters</i> , 2004 , 576, 237-44	3.8	16
30	A novel KCNA1 mutation in a patient with paroxysmal ataxia, myokymia, painful contractures and metabolic dysfunctions. <i>Molecular and Cellular Neurosciences</i> , 2017 , 83, 6-12	4.8	14
29	deficiency leads to a syndrome of abnormal striatum, congenital cataract and intellectual disability. <i>Journal of Medical Genetics</i> , 2016 , 53, 786-792	5.8	14
28	Reconciling the discrepancies on the involvement of large-conductance Ca(2+)-activated K channels in glioblastoma cell migration. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 152	6.1	13
27	Neutrophil Derived Cathepsin G Induces Potentially Thrombogenic Changes in Human Endothelial Cells: a Scanning Electron Microscopy Study in Static and Dynamic Conditions. <i>Thrombosis and Haemostasis</i> , 1994 , 72, 140-145	7	13
26	Lethal digenic mutations in the K channels Kir4.1 () and SLACK () associated with severe-disabling seizures and neurodevelopmental delay. <i>Journal of Neurophysiology</i> , 2017 , 118, 2402-2411	3.2	12
25	A Calsequestrin-1 Mutation Associated with a Skeletal Muscle Disease Alters Sarcoplasmic Ca ²⁺ Release. <i>PLoS ONE</i> , 2016 , 11, e0155516	3.7	12
24	Ion Channels Involvement in Neurodevelopmental Disorders. <i>Neuroscience</i> , 2020 , 440, 337-359	3.9	11

23	Antithrombotic Activity of Dermatan Sulphates, Heparins and their Combination in an Animal Model of Arterial Thrombosis. <i>Thrombosis and Haemostasis</i> , 1996 , 76, 1102-1107	7	11
22	5-HT ₂ receptors-mediated modulation of voltage-gated K ⁺ channels and neurophysiopathological correlates. <i>Experimental Brain Research</i> , 2013 , 230, 453-62	2.3	10
21	The role of ion channels in the hypoxia-induced aggressiveness of glioblastoma. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 467	6.1	10
20	Association of A Novel Splice Site Mutation in P/Q-Type Calcium Channels with Childhood Epilepsy and Late-Onset Slowly Progressive Non-Episodic Cerebellar Ataxia. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
19	A channelopathy mutation in the voltage-sensor discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. <i>Scientific Reports</i> , 2017 , 7, 4583	4.9	7
18	Experimental Arterial Thrombosis in Genetically or Diet Induced Hyperlipidemia in Rats. <i>Thrombosis and Haemostasis</i> , 2001 , 86, 1440-1448	7	7
17	Identification of a New Mutation Underlying Regressive Episodic Ataxia Type I. <i>Frontiers in Neurology</i> , 2018 , 9, 587	4.1	6
16	Enhanced Vascular Plasminogen Activator (t-PA) Release by Epinephrine in Aged Rats. <i>Thrombosis and Haemostasis</i> , 1995 , 73, 841-844	7	6
15	Morphological and hemostatic changes in rats with abdominal arterial prosthesis. <i>Thrombosis Research</i> , 1996 , 82, 69-77	8.2	5
14	Altered functional properties of a missense variant in the TRESK K channel (KCNK18) associated with migraine and intellectual disability. <i>Pflugers Archiv European Journal of Physiology</i> , 2020 , 472, 923-930	4.6	4
13	Different response of vascular fibrinolysis to adrenergic stimulation in young and aged rats. <i>Fibrinolysis</i> , 1992 , 6, 36-38		4
12	Commentary: A channelopathy mutation in the voltage-sensor discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 174	6.1	3
11	Expression and function of a CP339,818-sensitive K ⁺ current in a subpopulation of putative nociceptive neurons from adult mouse trigeminal ganglia. <i>Journal of Neurophysiology</i> , 2015 , 113, 2653-65	3.2	3
10	A method to identify tissue cell subpopulations with distinct multi-molecular profiles from data on co-localization of two markers at a time: the case of sensory ganglia. <i>Journal of Neuroscience Methods</i> , 2014 , 224, 88-95	3	3
9	Effect of aspirin on the fibrinolytic response in perfused rat hindquarters. <i>European Journal of Pharmacology</i> , 1992 , 229, 39-44	5.3	3
8	A Novel Variant in a Patient with Non-Progressive Congenital Ataxia and Epilepsy: Functional Characterization and Sensitivity to 4-Aminopyridine. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
7	Electromechanical coupling of the Kv1.1 voltage-gated K channel is fine-tuned by the simplest amino acid residue in the S4-S5 linker. <i>Pflugers Archiv European Journal of Physiology</i> , 2020 , 472, 899-909	4.6	2
6	(Kir5.1) Gene Ablation Causes Subfertility and Increases the Prevalence of Morphologically Abnormal Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

5	Amiloride Inhibits Tissue-type Plasminogen Activator (t-PA) Release from Vascular Endothelium. <i>Thrombosis and Haemostasis</i> , 1995 , 74, 808-809	7	1
4	Biallelic Variants Associated with Intellectual Disability and Neurodevelopmental Disorders Alter TRESK Channel Activity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
3	Musculoskeletal Features without Ataxia Associated with a Novel de novo Mutation in Impairing the Voltage Sensitivity of Kv1.1 Channel. <i>Biomedicines</i> , 2021 , 9,	4.8	1
2	Animal Models of Episodic Ataxia Type 1 (EA1) 2015 , 797-807		
1	The adrenergic mechanisms of acute t-PA release in normal and diseased animals. <i>Fibrinolysis</i> , 1993 , 7, 33-34		