Maria Cristina DAdamo

List of Publications by Year in Descending Order

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	(Kir5.1) Gene Ablation Causes Subfertility and Increases the Prevalence of Morphologically Abnormal Spermatozoa. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
57	Biallelic Variants Associated with Intellectual Disability and Neurodevelopmental Disorders Alter TRESK Channel Activity. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
56	Musculoskeletal Features without Ataxia Associated with a Novel de novo Mutation in Impairing the Voltage Sensitivity of Kv1.1 Channel. *Biomedicines*, **2021**, 9,	4.8	1
55	A Novel Variant in a Patient with Non-Progressive Congenital Ataxia and Epilepsy: Functional Characterization and Sensitivity to 4-Aminopyridine. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
54	Altered functional properties of a missense variant in the TRESK K channel (KCNK18) associated with migraine and intellectual disability. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 923-930	4.6	4
53	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. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
52	Ion Channels Involvement in Neurodevelopmental Disorders. *Neuroscience*, **2020**, 440, 337-359	3.9	11
51	Electromechanical coupling of the Kv1.1 voltage-gated K channel is fine-tuned by the simplest amino acid residue in the S4-S5 linker. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 899-909	4.6	2
50	Kv1.1 Channelopathies: Pathophysiological Mechanisms and Therapeutic Approaches. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	24
49	Dexamethasone in Glioblastoma Multiforme Therapy: Mechanisms and Controversies. *Frontiers in Molecular Neuroscience*, **2019**, 12, 65	6.1	34
48	Commentary: A channelopathy mutation in the voltage-sensor discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. *Frontiers in Cellular Neuroscience*, **2018**, 12, 174	6.1	3
47	Identification of a New Mutation Underlying Regressive Episodic Ataxia Type I. *Frontiers in Neurology*, **2018**, 9, 587	4.1	6
46	Thymosin represents a potential potent single-molecule-based therapy for cystic fibrosis. *Nature Medicine*, **2017**, 23, 590-600	50.5	75
45	Lethal digenic mutations in the K channels Kir4.1 () and SLACK () associated with severe-disabling seizures and neurodevelopmental delay. *Journal of Neurophysiology*, **2017**, 118, 2402-2411	3.2	12
44	A channelopathy mutation in the voltage-sensor discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. *Scientific Reports*, **2017**, 7, 4583	4.9	7
43	A novel KCNA1 mutation in a patient with paroxysmal ataxia, myokymia, painful contractures and metabolic dysfunctions. *Molecular and Cellular Neurosciences*, **2017**, 83, 6-12	4.8	14
42	Gain-of-function defects of astrocytic Kir4.1 channels in children with autism spectrum disorders and epilepsy. *Scientific Reports*, **2016**, 6, 34325	4.9	43

41	A Calsequestrin-1 Mutation Associated with a Skeletal Muscle Disease Alters Sarcoplasmic Ca2+ Release. *PLoS ONE*, **2016**, 11, e0155516	3.7	12
40	deficiency leads to a syndrome of abnormal striatum, congenital cataract and intellectual disability. *Journal of Medical Genetics*, **2016**, 53, 786-792	5.8	14
39	De novo point mutations in patients diagnosed with ataxic cerebral palsy. *Brain*, **2015**, 138, 1817-32	11.2	101
38	Update on the implication of potassium channels in autism: K(+) channelautism spectrum disorder. *Frontiers in Cellular Neuroscience*, **2015**, 9, 34	6.1	49
37	Animal Models of Episodic Ataxia Type 1 (EA1) **2015**, 797-807		
36	Reconciling the discrepancies on the involvement of large-conductance Ca(2+)-activated K channels in glioblastoma cell migration. *Frontiers in Cellular Neuroscience*, **2015**, 9, 152	6.1	13
35	New insights into the pathogenesis and therapeutics of episodic ataxia type 1. *Frontiers in Cellular Neuroscience*, **2015**, 9, 317	6.1	40
34	Expression and function of a CP339,818-sensitive K+ current in a subpopulation of putative nociceptive neurons from adult mouse trigeminal ganglia. *Journal of Neurophysiology*, **2015**, 113, 2653-65	3.2	3
33	Novel phenotype associated with a mutation in the KCNA1(Kv1.1) gene. *Frontiers in Physiology*, **2014**, 5, 525	4.6	30
32	Genetically induced dysfunctions of Kir2.1 channels: implications for short QT3 syndrome and autism-epilepsy phenotype. *Human Molecular Genetics*, **2014**, 23, 4875-86	5.6	52
31	The role of ion channels in the hypoxia-induced aggressiveness of glioblastoma. *Frontiers in Cellular Neuroscience*, **2014**, 8, 467	6.1	10
30	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. *Journal of Neuroscience Methods*, **2014**, 224, 88-95	3	3
29	5-HT2 receptors-mediated modulation of voltage-gated K+ channels and neurophysiopathological correlates. *Experimental Brain Research*, **2013**, 230, 453-62	2.3	10
28	K(+) channelepsy: progress in the neurobiology of potassium channels and epilepsy. *Frontiers in Cellular Neuroscience*, **2013**, 7, 134	6.1	63
27	Kv1.1 knock-in ataxic mice exhibit spontaneous myokymic activity exacerbated by fatigue, ischemia and low temperature. *Neurobiology of Disease*, **2012**, 47, 310-21	7.5	27
26	Autism with seizures and intellectual disability: possible causative role of gain-of-function of the inwardly-rectifying K+ channel Kir4.1. *Neurobiology of Disease*, **2011**, 43, 239-47	7.5	90
25	Genetic inactivation of Kcnj16 identifies Kir5.1 as an important determinant of neuronal PCO2/pH sensitivity. *Journal of Biological Chemistry*, **2011**, 286, 192-8	5.4	37
24	Episodic ataxia type 1 mutations affect fast inactivation of K+ channels by a reduction in either subunit surface expression or affinity for inactivation domain. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C1314-22	5.4	25

23	Contribution of the central hydrophobic residue in the PXP motif of voltage-dependent K+ channels to S6 flexibility and gating properties. *Channels*, **2009**, 3, 39-45	3	17
22	A novel KCNA1 mutation identified in an Italian family affected by episodic ataxia type 1. *Neuroscience*, **2008**, 157, 577-87	3.9	29
21	Episodic ataxia type 1 mutation F184C alters Zn2+-induced modulation of the human K+ channel Kv1.4-Kv1.1/Kvbeta1.1. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C778-87	5.4	26
20	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. *European Journal of Neuroscience*, **2006**, 24, 3073-83	3.5	45
19	An episodic ataxia type-1 mutation in the S1 segment sensitises the hKv1.1 potassium channel to extracellular Zn2+. *FEBS Letters*, **2004**, 576, 237-44	3.8	16
18	Identification of a heteromeric interaction that influences the rectification, gating, and pH sensitivity of Kir4.1/Kir5.1 potassium channels. *Journal of Biological Chemistry*, **2003**, 278, 43533-40	5.4	36
17	Functional characterization of an episodic ataxia type-1 mutation occurring in the S1 segment of hKv1.1 channels. *Pflugers Archiv European Journal of Physiology*, **2003**, 446, 373-9	4.6	23
16	Expression in E. coli and purification of recombinant fragments of wild type and mutant human prion protein. *Neurochemistry International*, **2002**, 41, 55-63	4.4	30
15	Differential pH sensitivity of Kir4.1 and Kir4.2 potassium channels and their modulation by heteropolymerisation with Kir5.1. *Journal of Physiology*, **2001**, 532, 359-67	3.9	102
14	Experimental Arterial Thrombosis in Genetically or Diet Induced Hyperlipidemia in Rats. *Thrombosis and Haemostasis*, **2001**, 86, 1440-1448	7	7
13	Role of receptor protein tyrosine phosphatase alpha (RPTPalpha) and tyrosine phosphorylation in the serotonergic inhibition of voltage-dependent potassium channels. *Pflugers Archiv European Journal of Physiology*, **2000**, 441, 257-62	4.6	24
12	pH dependence of the inwardly rectifying potassium channel, Kir5.1, and localization in renal tubular epithelia. *Journal of Biological Chemistry*, **2000**, 275, 16404-7	5.4	103
11	Mutations in the KCNA1 gene associated with episodic ataxia type-1 syndrome impair heteromeric voltage-gated K(+) channel function. *FASEB Journal*, **1999**, 13, 1335-45	0.9	64
10	Localization and age-dependent expression of the inward rectifier K+ channel subunit Kir 5.1 in a mammalian reproductive system. *FEBS Letters*, **1999**, 449, 146-52	3.8	37
9	Episodic ataxia type-1 mutations in the hKv1.1 cytoplasmic pore region alter the gating properties of the channel. *EMBO Journal*, **1998**, 17, 1200-7	13	68
8	Morphological and hemostatic changes in rats with abdominal arterial prosthesis. *Thrombosis Research*, **1996**, 82, 69-77	8.2	5
7	Antithrombotic Activity of Dermatan Sulphates, Heparins and their Combination in an Animal Model of Arterial Thrombosis. *Thrombosis and Haemostasis*, **1996**, 76, 1102-1107	7	11
6	Amiloride Inhibits Tissue-type Plasminogen Activator (t-PA) Release from Vascular Endothelium. *Thrombosis and Haemostasis*, **1995**, 74, 808-809	7	1

5	Enhanced Vascular Plasminogen Activator (t-PA) Release by Epinephrine in Aged Rats. *Thrombosis and Haemostasis*, **1995**, 73, 841-844	7	6
4	Neutrophil Derived Cathepsin G Induces Potentially Thrombogenic Changes in Human Endothelial Cells: a Scanning Electron Microscopy Study in Static and Dynamic Conditions. *Thrombosis and Haemostasis*, **1994**, 72, 140-145	7	13
3	The adrenergic mechanisms of acute t-PA release in normal and diseased animals. *Fibrinolysis*, **1993**, 7, 33-34		
2	Different response of vascular fibrinolysis to adrenergic stimulation in young and aged rats. *Fibrinolysis*, **1992**, 6, 36-38		4
1	Effect of aspirin on the fibrinolytic response in perfused rat hindquarters. *European Journal of Pharmacology*, **1992**, 229, 39-44	5.3	3