Adrien Moreau

List of Publications by Year
in descending order

33 papers	606 citations	567281 15 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	927 citing authors

#	Article	IF	Citations
1	Biophysics, pathophysiology, and pharmacology of ion channel gating pores. Frontiers in Pharmacology, 2014, 5, 53.	3.5	74
2	Gating pore currents and the resting state of Na _v 1.4 voltage sensor domains. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19250-19255.	7.1	71
3	Gating pore currents are defects in common with two Nav1.5 mutations in patients with mixed arrhythmias and dilated cardiomyopathy. Journal of General Physiology, 2015, 145, 93-106.	1.9	64
4	Post-Translational Modifications and Diastolic Calcium Leak Associated to the Novel RyR2-D3638A Mutation Lead to CPVT in Patient-Specific hiPSC-Derived Cardiomyocytes. Journal of Clinical Medicine, 2018, 7, 423.	2.4	40
5	Mutations in the Voltage Sensors of Domains I and II of Nav1.5 that are Associated with Arrhythmias and Dilated Cardiomyopathy Generate Gating Pore Currents. Frontiers in Pharmacology, 2015, 6, 301.	3.5	38
6	Na_v1.5 mutations linked to dilated cardiomyopathy phenotypes. Channels, 2014, 8, 90-94.	2.8	33
7	Mexiletine Differentially Restores the Trafficking Defects Caused by Two Brugada Syndrome Mutations. Frontiers in Pharmacology, 2012, 3, 62.	3.5	29
8	A leaky voltage sensor domain of cardiac sodium channels causes arrhythmias associated with dilated cardiomyopathy. Scientific Reports, 2018, 8, 13804.	3.3	28
9	Molecular biology and biophysical properties of ion channel gating pores. Quarterly Reviews of Biophysics, 2014, 47, 364-388.	5.7	23
10	Deciphering DSC2 arrhythmogenic cardiomyopathy electrical instability: From ion channels to ECG and tailored drug therapy. Clinical and Translational Medicine, 2021, 11, e319.	4.0	20
11	Characterization of the honeybee AmNaV1 channel and tools to assess the toxicity of insecticides. Scientific Reports, 2015, 5, 12475.	3.3	19
12	Biophysical, Molecular, and Pharmacological Characterization of Voltage-Dependent Sodium Channels From Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Canadian Journal of Cardiology, 2017, 33, 269-278.	1.7	19
13	A New Cardiac Channelopathy: From Clinical Phenotypes to Molecular Mechanisms Associated With Nav1.5 Gating Pores. Frontiers in Cardiovascular Medicine, 2018, 5, 139.	2.4	19
14	Modeling polymorphic ventricular tachycardia at rest using patient-specific induced pluripotent stem cell-derived cardiomyocytes. EBioMedicine, 2020, 60, 103024.	6.1	19
15	Sodium overload due to a persistent current that attenuates the arrhythmogenic potential of a novel LQT3 mutation. Frontiers in Pharmacology, 2013, 4, 126.	3.5	18
16	Cardiac voltage-gated sodium channel mutations associated with left atrial dysfunction and stroke in children. Europace, 2018, 20, 1692-1698.	1.7	14
17	Biophysical characterization of the honeybee DSC1 orthologue reveals a novel voltage-dependent Ca2+ channel subfamily: CaV4. Journal of General Physiology, 2016, 148, 133-145.	1.9	13
18	Gating pore currents, a new pathological mechanism underlying cardiac arrhythmias associated with dilated cardiomyopathy. Channels, 2015, 9, 139-144.	2.8	12

#	Article	IF	Citations
19	The PPARÎ³ pathway determines electrophysiological remodelling and arrhythmia risks in DSC2 arrhythmogenic cardiomyopathy. Clinical and Translational Medicine, 2022, 12, e748.	4.0	12
20	Novel SCN5A mutations in two families with â€œBrugada-likeâ€•ST elevation in the inferior leads and conduction disturbances. Journal of Interventional Cardiac Electrophysiology, 2013, 37, 131-140.	1.3	11
21	Blockade of the reninâ€angiotensinâ€aldosterone system in patients with arrhythmogenic right ventricular dysplasia: A doubleâ€blind, multicenter, prospective, randomized, genotypeâ€driven study (BRAVE study). Clinical Cardiology, 2018, 41, 300-306.	1.8	11
22	Induced pluripotent stem-cell-derived cardiomyocytes: cardiac applications, opportunities, and challenges. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1108-1116.	1.4	8
23	Novel G1481V and Q1491H SCN5A Mutations Linked to Long QT Syndrome Destabilize the Nav1.5 Inactivation State. CJC Open, 2021, 3, 256-266.	1.5	3
24	MorphoScript: a dedicated analysis to assess the morphology and contractile structures of cardiomyocytes derived from stem cells. Bioinformatics, 2021, 37, 4209-4215.	4.1	3
25	Short QT interval as a harbinger of an arrhythmogenic cardiomyopathy. HeartRhythm Case Reports, 2021, 7, 734-738.	0.4	2
26	Cardiac voltage-sodium channel mutations association with primary electrical diseases: Authors' reply. Europace, 2018, 20, 1707-1708.	1.7	1
27	Development and Characterisation of Cardiomyocytes Derived from Murine Embryonic Stem Cells of a DCM Caused by a SCN5A Mutation. Biophysical Journal, 2013, 104, 14a-15a.	0.5	0
28	Investigating the Voltage Sensor Domains of Nav1.4, its Structural and Functional Properties via Histidine Scanning Mutagenesis. Biophysical Journal, 2013, 104, 133a.	0.5	0
29	Gating Pore Currents are Common Defects of Two Nav1.5 Mutations in Patients with Mixed Arrhythmias and Dilated Cardiomyopathy. Biophysical Journal, 2015, 108, 572a.	0.5	0
30	Biophysical, Molecular and Pharmacological Characterization of NaV Channels from Induced Pluripotent Stem Cells Derived Cardiomyocytes. Biophysical Journal, 2016, 110, 111a.	0.5	0
31	Biophysical Characterization of the Honeybee's DSC1 Ortholog Highlights a New Voltage Dependant Calcium Channel Subfamily. Biophysical Journal, 2016, 110, 34a.	0.5	0
32	Biophysical, Molecular, and Pharmacological Characterization of Na V Channels from Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Biophysical Journal, 2017, 112, 241a.	0.5	0
33	Brugada Type 1 Pattern and Risk Stratification for Sudden Death: Does the Key Hide in the ECG Analysis?. , 0, , .		0