

Stphane N Hatem

List of Publications by Citations

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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.

81
papers

4,505
citations

41
h-index

66
g-index

96
ext. papers

5,557
ext. citations

7.5
avg, IF

4.98
L-index

#	Paper	IF	Citations
81	Human epicardial adipose tissue induces fibrosis of the atrial myocardium through the secretion of adipo-fibrokinases. <i>European Heart Journal</i> , 2015 , 36, 795-805a	9.5	299
80	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. <i>Europace</i> , 2016 , 18, 1455-1490	3.9	268
79	Myocardial cell death in fibrillating and dilated human right atria. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 1577-86	15.1	235
78	SAP97 and dystrophin macromolecular complexes determine two pools of cardiac sodium channels Nav1.5 in cardiomyocytes. <i>Circulation Research</i> , 2011 , 108, 294-304	15.7	178
77	Fibrosis of the left atria during progression of heart failure is associated with increased matrix metalloproteinases in the rat. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 336-44	15.1	157
76	Spironolactone reduces fibrosis of dilated atria during heart failure in rats with myocardial infarction. <i>European Heart Journal</i> , 2005 , 26, 2193-9	9.5	151
75	Long-term outcomes of pandemic 2009 influenza A(H1N1)-associated severe ARDS. <i>Chest</i> , 2012 , 142, 583-592	5.3	140
74	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. <i>Heart Rhythm</i> , 2017 , 14, e3-e40	6.7	138
73	Epicardial adipose tissue and atrial fibrillation. <i>Cardiovascular Research</i> , 2014 , 102, 205-13	9.9	131
72	Atrial fibrillation is associated with the fibrotic remodelling of adipose tissue in the subepicardium of human and sheep atria. <i>European Heart Journal</i> , 2017 , 38, 53-61	9.5	126
71	MOG1: a new susceptibility gene for Brugada syndrome. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 261-8		124
70	Human epicardial adipose tissue has a specific transcriptomic signature depending on its anatomical peri-atrial, peri-ventricular, or peri-coronary location. <i>Cardiovascular Research</i> , 2015 , 108, 62-73	9.9	112
69	Expert consensus document: Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. <i>Nature Reviews Cardiology</i> , 2016 , 13, 230-74.8	14.8	97
68	Multidrug resistance-associated protein 4 regulates cAMP-dependent signaling pathways and controls human and rat SMC proliferation. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2747-57	15.9	91
67	A roadmap to improve the quality of atrial fibrillation management: proceedings from the fifth Atrial Fibrillation Network/European Heart Rhythm Association consensus conference. <i>Europace</i> , 2016 , 18, 37-50	3.9	90
66	Dedifferentiation of atrial myocytes during atrial fibrillation: role of fibroblast proliferation in vitro. <i>Cardiovascular Research</i> , 2002 , 55, 38-52	9.9	77
65	Dynamic of ion channel expression at the plasma membrane of cardiomyocytes. <i>Physiological Reviews</i> , 2012 , 92, 1317-58	47.9	76

64	Kv4 potassium channels form a tripartite complex with the anchoring protein SAP97 and CaMKII in cardiac myocytes. <i>Circulation Research</i> , 2009 , 104, 758-69	15.7	73
63	Chronic hemodynamic overload of the atria is an important factor for gap junction remodeling in human and rat hearts. <i>Cardiovascular Research</i> , 2006 , 72, 69-79	9.9	73
62	Novel mechanisms in the pathogenesis of atrial fibrillation: practical applications. <i>European Heart Journal</i> , 2016 , 37, 1573-81	9.5	71
61	Cardiac adipose tissue and atrial fibrillation: the perils of adiposity. <i>Cardiovascular Research</i> , 2016 , 109, 502-9	9.9	70
60	Membrane cholesterol modulates Kv1.5 potassium channel distribution and function in rat cardiomyocytes. <i>Journal of Physiology</i> , 2007 , 582, 1205-17	3.9	70
59	Doxorubicin induces slow ceramide accumulation and late apoptosis in cultured adult rat ventricular myocytes. <i>Cardiovascular Research</i> , 1999 , 43, 398-407	9.9	69
58	Dominant-negative effect of SCN5A N-terminal mutations through the interaction of Na(v)1.5 β subunits. <i>Cardiovascular Research</i> , 2012 , 96, 53-63	9.9	67
57	Integrating new approaches to atrial fibrillation management: the 6th AFNET/EHRA Consensus Conference. <i>Europace</i> , 2018 , 20, 395-407	3.9	66
56	Cholesterol modulates the recruitment of Kv1.5 channels from Rab11-associated recycling endosome in native atrial myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14681-6	11.5	62
55	How to optimize in vivo gene transfer to cardiac myocytes: mechanical or pharmacological procedures?. <i>Human Gene Therapy</i> , 2001 , 12, 1601-10	4.8	62
54	EHRA/HRS/APHRS/SOLAECE expert consensus on Atrial cardiomyopathies: Definition, characterisation, and clinical implication. <i>Journal of Arrhythmia</i> , 2016 , 32, 247-78	1.5	59
53	Moderate and chronic hemodynamic overload of sheep atria induces reversible cellular electrophysiologic abnormalities and atrial vulnerability. <i>Journal of the American College of Cardiology</i> , 2004 , 44, 1918-26	15.1	57
52	Shear stress triggers insertion of voltage-gated potassium channels from intracellular compartments in atrial myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3955-64	11.5	56
51	Regulation of cAMP homeostasis by the efflux protein MRP4 in cardiac myocytes. <i>FASEB Journal</i> , 2012 , 26, 1009-17	0.9	54
50	Peroxisome proliferator-activated receptor beta stimulation induces rapid cardiac growth and angiogenesis via direct activation of calcineurin. <i>Cardiovascular Research</i> , 2009 , 83, 61-71	9.9	54
49	Effect of intracoronary administration of AAV1/SERCA2a on ventricular remodelling in patients with advanced systolic heart failure: results from the AGENT-HF randomized phase 2 trial. <i>European Journal of Heart Failure</i> , 2017 , 19, 1534-1541	12.3	50
48	SERCA2a controls the mode of agonist-induced intracellular Ca ²⁺ signal, transcription factor NFAT and proliferation in human vascular smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 621-33	5.8	50
47	Downregulation of the calcium current in human right atrial myocytes from patients in sinus rhythm but with a high risk of atrial fibrillation. <i>European Heart Journal</i> , 2008 , 29, 1190-7	9.5	49

46	Atrial natriuretic peptide regulates adipose tissue accumulation in adult atria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E771-E780	11.5	48
45	Highly efficient adenovirus-mediated gene transfer to cardiac myocytes after single-pass coronary delivery. <i>Human Gene Therapy</i> , 2000 , 11, 1015-22	4.8	48
44	Mesenchymal stem cell delivery into rat infarcted myocardium using a porous polysaccharide-based scaffold: a quantitative comparison with endocardial injection. <i>Tissue Engineering - Part A</i> , 2012 , 18, 35-44	2.9	47
43	Expression, regulation and role of the MAGUK protein SAP-97 in human atrial myocardium. <i>Cardiovascular Research</i> , 2002 , 56, 433-42	9.9	44
42	Brugada syndrome and abnormal splicing of SCN5A in myotonic dystrophy type 1. <i>Archives of Cardiovascular Diseases</i> , 2013 , 106, 635-43	2.7	43
41	Assessment of left atrial function by MRI myocardial feature tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 379-89	5.6	41
40	Different isoforms of synapse-associated protein, SAP97, are expressed in the heart and have distinct effects on the voltage-gated K ⁺ channel Kv1.5. <i>Journal of Biological Chemistry</i> , 2003 , 278, 47046-52	5.4	41
39	The anchoring protein SAP97 retains Kv1.5 channels in the plasma membrane of cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1851-61	5.2	40
38	Overexpression of cAMP-response element modulator causes abnormal growth and development of the atrial myocardium resulting in a substrate for sustained atrial fibrillation in mice. <i>International Journal of Cardiology</i> , 2013 , 166, 366-74	3.2	38
37	Maximal exercise limitation in functionally overreached triathletes: role of cardiac adrenergic stimulation. <i>Journal of Applied Physiology</i> , 2014 , 117, 214-22	3.7	35
36	Voluntary physical activity protects from susceptibility to skeletal muscle contraction-induced injury but worsens heart function in mdx mice. <i>American Journal of Pathology</i> , 2013 , 182, 1509-18	5.8	34
35	Left atrial aging: a cardiac magnetic resonance feature-tracking study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H542-9	5.2	32
34	A truncating SCN5A mutation combined with genetic variability causes sick sinus syndrome and early atrial fibrillation. <i>Heart Rhythm</i> , 2014 , 11, 1015-1023	6.7	30
33	Cardiac-specific ablation of synapse-associated protein SAP97 in mice decreases potassium currents but not sodium current. <i>Heart Rhythm</i> , 2015 , 12, 181-92	6.7	30
32	Specificities of atrial electrophysiology: Clues to a better understanding of cardiac function and the mechanisms of arrhythmias. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 90-5	5.8	29
31	Lateral Membrane-Specific MAGUK CASK Down-Regulates NaV1.5 Channel in Cardiac Myocytes. <i>Circulation Research</i> , 2016 , 119, 544-56	15.7	26
30	Direct Thrombin Inhibitors Prevent Left Atrial Remodeling Associated With Heart Failure in Rats. <i>JACC Basic To Translational Science</i> , 2016 , 1, 328-339	8.7	22
29	Abnormal sodium current properties contribute to cardiac electrical and contractile dysfunction in a mouse model of myotonic dystrophy type 1. <i>Neuromuscular Disorders</i> , 2015 , 25, 308-20	2.9	20

28	Primary culture of human atrial myocytes is associated with the appearance of structural and functional characteristics of immature myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 1997 , 29, 1307-20	5.8	20
27	Cardiac MR Strain: A Noninvasive Biomarker of Fibrofatty Remodeling of the Left Atrial Myocardium. <i>Radiology</i> , 2018 , 286, 83-92	20.5	19
26	Protease-activated receptor-1 mediates thrombin-induced persistent sodium current in human cardiomyocytes. <i>Molecular Pharmacology</i> , 2008 , 73, 1622-31	4.3	19
25	Mutation of delta-sarcoglycan is associated with Ca(2+) -dependent vascular remodeling in the Syrian hamster. <i>American Journal of Pathology</i> , 2007 , 171, 162-71	5.8	19
24	Reactivation of the Epicardium at the Origin of Myocardial Fibro-Fatty Infiltration During the Atrial Cardiomyopathy. <i>Circulation Research</i> , 2020 , 126, 1330-1342	15.7	17
23	Erythrocyte-derived microvesicles induce arterial spasms in JAK2V617F myeloproliferative neoplasm. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2630-2643	15.9	15
22	Adult cardiac myocytes survive and remain excitable during long-term culture on synthetic supports. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 121, 510-9	1.5	14
21	Cumulative inactivation of the outward potassium current: a likely mechanism underlying electrical memory in human atrial myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 755-67	5.8	14
20	Dynamic risk assessment to improve quality of care in patients with atrial fibrillation: the 7th AFNET/EHRA Consensus Conference. <i>Europace</i> , 2021 , 23, 329-344	3.9	14
19	Pro-arrhythmic effect of nicorandil in isolated rabbit atria and its suppression by tolbutamide and quinidine. <i>European Journal of Pharmacology</i> , 1992 , 229, 91-6	5.3	13
18	A new method of ultrasonic nonviral gene delivery to the adult myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 801-8	5.8	12
17	The antiarrhythmic agent bertosamil induces inactivation of the sustained outward K ⁺ current in human atrial myocytes. <i>British Journal of Pharmacology</i> , 1997 , 122, 291-301	8.6	10
16	No effect of triheptanoin on exercise performance in McArdle disease. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 1949-1960	5.3	8
15	F 16915 prevents heart failure-induced atrial fibrillation: a promising new drug as upstream therapy. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014 , 387, 667-77	3.4	7
14	Normal targeting of a tagged Kv1.5 channel acutely transfected into fresh adult cardiac myocytes by a biolistic method. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C1343-52	5.4	7
13	Microtubule polymerization state and clathrin-dependent internalization regulate dynamics of cardiac potassium channel: Microtubule and clathrin control of K1.5 channel. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 144, 127-139	5.8	6
12	Piezo1 and BK channels in human atrial fibroblasts: Interplay and remodelling in atrial fibrillation. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 158, 49-62	5.8	6
11	The European Network for Translational Research in Atrial Fibrillation (EUTRAF): objectives and initial results. <i>Europace</i> , 2015 , 17, 1457-66	3.9	4

10	Does the loss of transverse tubules contribute to dyssynchronous Ca ²⁺ release during heart failure?. <i>Cardiovascular Research</i> , 2004 , 62, 1-3	9.9	3
9	Epicardial origin of cardiac arrhythmias: clinical evidences and pathophysiology. <i>Cardiovascular Research</i> , 2021 ,	9.9	3
8	Dysregulated Phenylalanine Catabolism Plays a Key Role in the Trajectory of Cardiac Aging. <i>Circulation</i> , 2021 , 144, 559-574	16.7	3
7	Remodeling of Ion Channel Trafficking and Cardiac Arrhythmias. <i>Cells</i> , 2021 , 10,	7.9	3
6	Distinct calcium/calmodulin-dependent serine protein kinase domains control cardiac sodium channel membrane expression and focal adhesion anchoring. <i>Heart Rhythm</i> , 2020 , 17, 786-794	6.7	1
5	Impacts of a high fat diet on the metabolic profile and the phenotype of atrial myocardium in mice.. <i>Cardiovascular Research</i> , 2021 ,	9.9	1
4	Characterizing cardiac phenotype in Friedreich's ataxia: The CARFA study.. <i>Archives of Cardiovascular Diseases</i> , 2021 , 115, 17-17	2.7	0
3	Altered cardiac reserve is a determinant of exercise intolerance in sickle cell anaemia patients. <i>European Journal of Clinical Investigation</i> , 2021 , e13664	4.6	0
2	Macromolecular Complexes and Cardiac Potassium Channels 2014 , 197-204		
1	Cholesterol Regulation of Cardiac Ion Channels 91-107		