Jacques Mt de Bakker

List of Publications by Year in Descending Order

36 papers	1,683 citations	22 h-index	39 g-index
39 ext. papers	1,963 ext. citations	6.8 avg, IF	4.24 L-index

#	Paper	IF	Citations
36	Excitability and propagation of the electrical impulse in Venus flytrap; a comparative electrophysiological study of unipolar electrograms with myocardial tissue. *Bioelectrochemistry*, **2021**, 140, 107810	5.6	1
35	Electrogram recording and analyzing techniques to optimize selection of target sites for ablation of cardiac arrhythmias. *PACE - Pacing and Clinical Electrophysiology*, **2019**, 42, 1503-1516	1.6	13
34	Electrocardiographic changes after successful recanalization of a chronic total coronary occlusion. A systematic review and meta-analysis. *Cardiovascular Revascularization Medicine*, **2018**, 19, 221-228	1.6	8
33	Differential Mechanisms of Myocardial Conduction Slowing by Adipose Tissue-Derived Stromal Cells Derived from Different Species. *Stem Cells Translational Medicine*, **2017**, 6, 22-30	6.9	7
32	Experimental Validation of Noninvasive Epicardial and Endocardial Activation Imaging. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9, e004104	6.4	17
31	Atrial fibrosis and conduction slowing in the left atrial appendage of patients undergoing thoracoscopic surgical pulmonary vein isolation for atrial fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 288-95	6.4	69
30	Response to letter regarding article, "atrial fibrosis and conduction slowing in the left atrial appendage of patients undergoing thoracoscopic surgical pulmonary vein isolation for atrial fibrillation". *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 997	6.4	3
29	Electrocardiographic T wave and its relation with ventricular repolarization along major anatomical axes. *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 524-31	6.4	43
28	Epicardial confirmation of conduction block during thoracoscopic surgery for atrial fibrillation--a hybrid surgical-electrophysiological approach. *Minimally Invasive Therapy and Allied Technologies*, **2012**, 21, 293-301	2.1	23
27	Drug-induced torsade de pointes arrhythmias in the chronic AV block dog are perpetuated by focal activity. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 566-76	6.4	34
26	The Brugada ECG pattern: a marker of channelopathy, structural heart disease, or neither? Toward a unifying mechanism of the Brugada syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3, 283-90	6.4	102
25	The pathophysiologic basis of fractionated and complex electrograms and the impact of recording techniques on their detection and interpretation. *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3, 204-13	6.4	131
24	Response to Letter Regarding Article, Dominant Frequency of Atrial Fibrillation Correlates Poorly With Atrial Fibrillation Cycle Length *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3,	6.4	1
23	Heterogeneous Connexin43 distribution in heart failure is associated with dispersed conduction and enhanced susceptibility to ventricular arrhythmias. *European Journal of Heart Failure*, **2010**, 12, 913-21	12.3	51
22	Early inflammatory response during the development of right ventricular heart failure in a rat model. *European Journal of Heart Failure*, **2010**, 12, 653-8	12.3	44
21	Genetically determined differences in sodium current characteristics modulate conduction disease severity in mice with cardiac sodium channelopathy. *Circulation Research*, **2009**, 104, 1283-92	15.7	63
20	Dominant frequency of atrial fibrillation correlates poorly with atrial fibrillation cycle length. *Circulation: Arrhythmia and Electrophysiology*, **2009**, 2, 634-44	6.4	43

19	Right-to-left ventricular diastolic delay in chronic thromboembolic pulmonary hypertension is associated with activation delay and action potential prolongation in right ventricle. *Circulation: Arrhythmia and Electrophysiology*, **2009**, 2, 555-61	6.4	24
18	Cardiac cell therapy: overexpression of connexin43 in skeletal myoblasts and prevention of ventricular arrhythmias. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 3703-12	5.6	31
17	Arrhythmia Mechanisms in Ischemia and Infarction **2009**, 101-153		1
16	Slow and discontinuous conduction conspire in Brugada syndrome: a right ventricular mapping and stimulation study. *Circulation: Arrhythmia and Electrophysiology*, **2008**, 1, 379-86	6.4	101
15	Activation delay and VT parameters in arrhythmogenic right ventricular dysplasia/cardiomyopathy: toward improvement of diagnostic ECG criteria. *Journal of Cardiovascular Electrophysiology*, **2008**, 19, 775-81	2.7	91
14	Electrocardiographic manifestation of anatomical substrates underlying post-myocardial infarction tachycardias. *Journal of Electrocardiology*, **2007**, 40, S21-5	1.4	9
13	Beta-, not alpha-adrenergic stimulation enhances conduction velocity in cultures of neonatal cardiomyocytes. *Circulation Journal*, **2007**, 71, 973-81	2.9	16
12	Pacemaker current (I(f)) in the human sinoatrial node. *European Heart Journal*, **2007**, 28, 2472-8	9.5	113
11	Continuous and discontinuous propagation in heart muscle. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 567-73	2.7	52
10	Three-dimensional anatomic structure as substrate for ventricular tachycardia/ventricular fibrillation. *Heart Rhythm*, **2005**, 2, 777-9	6.7	50
9	Reentrant circuits in the canine atrioventricular node during atrial and ventricular echoes: electrophysiological and histological correlation. *Circulation*, **2003**, 108, 231-8	16.7	17
8	Electrical conduction in canine pulmonary veins: electrophysiological and anatomic correlation. *Circulation*, **2002**, 105, 2442-8	16.7	258
7	Double component action potentials in the posterior approach to the atrioventricular node: do they reflect activation delay in the slow pathway?. *Journal of the American College of Cardiology*, **1999**, 34, 570-7	15.1	10
6	Origin of heat-induced accelerated junctional rhythm. *Journal of Cardiovascular Electrophysiology*, **1998**, 9, 631-41	2.7	38
5	Effects of heating with radiofrequency power on myocardial impulse conduction: is radiofrequency ablation exclusively thermally mediated?. *Journal of Cardiovascular Electrophysiology*, **1996**, 7, 243-7	2.7	26
4	Atrioventricular junctional tissue. Discrepancy between histological and electrophysiological characteristics. *Circulation*, **1996**, 94, 571-7	16.7	136
3	Electrophysiology of the A-V node in relation to A-V nodal reentry. *International Heart Journal*, **1996**, 37, 785-91		
2	Effects of heating on impulse propagation in superfused canine myocardium. *Journal of the American College of Cardiology*, **1995**, 25, 1457-64	15.1	49

1 Mechanisms of Ventricular Tachycardia: Underlying Pathological and Physiological Abnormalities18-27 1