

Jacques Mt de Bakker

List of Publications by Citations

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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	Electrical conduction in canine pulmonary veins: electrophysiological and anatomic correlation. <i>Circulation</i> , 2002 , 105, 2442-8	16.7	258
35	Atrioventricular junctional tissue. Discrepancy between histological and electrophysiological characteristics. <i>Circulation</i> , 1996 , 94, 571-7	16.7	136
34	The pathophysiologic basis of fractionated and complex electrograms and the impact of recording techniques on their detection and interpretation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010 , 3, 204-13	6.4	131
33	Pacemaker current (I _f) in the human sinoatrial node. <i>European Heart Journal</i> , 2007 , 28, 2472-8	9.5	113
32	The Brugada ECG pattern: a marker of channelopathy, structural heart disease, or neither? Toward a unifying mechanism of the Brugada syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010 , 3, 283-90	6.4	102
31	Slow and discontinuous conduction conspire in Brugada syndrome: a right ventricular mapping and stimulation study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2008 , 1, 379-86	6.4	101
30	Activation delay and VT parameters in arrhythmogenic right ventricular dysplasia/cardiomyopathy: toward improvement of diagnostic ECG criteria. <i>Journal of Cardiovascular Electrophysiology</i> , 2008 , 19, 775-81	2.7	91
29	Atrial fibrosis and conduction slowing in the left atrial appendage of patients undergoing thoracoscopic surgical pulmonary vein isolation for atrial fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 288-95	6.4	69
28	Genetically determined differences in sodium current characteristics modulate conduction disease severity in mice with cardiac sodium channelopathy. <i>Circulation Research</i> , 2009 , 104, 1283-92	15.7	63
27	Continuous and discontinuous propagation in heart muscle. <i>Journal of Cardiovascular Electrophysiology</i> , 2006 , 17, 567-73	2.7	52
26	Heterogeneous Connexin43 distribution in heart failure is associated with dispersed conduction and enhanced susceptibility to ventricular arrhythmias. <i>European Journal of Heart Failure</i> , 2010 , 12, 913-21	11.3	51
25	Three-dimensional anatomic structure as substrate for ventricular tachycardia/ventricular fibrillation. <i>Heart Rhythm</i> , 2005 , 2, 777-9	6.7	50
24	Effects of heating on impulse propagation in superfused canine myocardium. <i>Journal of the American College of Cardiology</i> , 1995 , 25, 1457-64	15.1	49
23	Early inflammatory response during the development of right ventricular heart failure in a rat model. <i>European Journal of Heart Failure</i> , 2010 , 12, 653-8	12.3	44
22	Electrocardiographic T wave and its relation with ventricular repolarization along major anatomical axes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 524-31	6.4	43
21	Dominant frequency of atrial fibrillation correlates poorly with atrial fibrillation cycle length. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 634-44	6.4	43
20	Origin of heat-induced accelerated junctional rhythm. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 631-41	2.7	38

19	Drug-induced torsade de pointes arrhythmias in the chronic AV block dog are perpetuated by focal activity. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 566-76	6.4	34
18	Cardiac cell therapy: overexpression of connexin43 in skeletal myoblasts and prevention of ventricular arrhythmias. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3703-12	5.6	31
17	Effects of heating with radiofrequency power on myocardial impulse conduction: is radiofrequency ablation exclusively thermally mediated?. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 243-7	2.7	26
16	Right-to-left ventricular diastolic delay in chronic thromboembolic pulmonary hypertension is associated with activation delay and action potential prolongation in right ventricle. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 555-61	6.4	24
15	Epicardial confirmation of conduction block during thoracoscopic surgery for atrial fibrillation—a hybrid surgical-electrophysiological approach. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2012 , 21, 293-301	2.1	23
14	Reentrant circuits in the canine atrioventricular node during atrial and ventricular echoes: electrophysiological and histological correlation. <i>Circulation</i> , 2003 , 108, 231-8	16.7	17
13	Experimental Validation of Noninvasive Epicardial and Endocardial Activation Imaging. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9, e004104	6.4	17
12	Beta-, not alpha-adrenergic stimulation enhances conduction velocity in cultures of neonatal cardiomyocytes. <i>Circulation Journal</i> , 2007 , 71, 973-81	2.9	16
11	Electrogram recording and analyzing techniques to optimize selection of target sites for ablation of cardiac arrhythmias. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019 , 42, 1503-1516	1.6	13
10	Double component action potentials in the posterior approach to the atrioventricular node: do they reflect activation delay in the slow pathway?. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 570-7	15.1	10
9	Electrocardiographic manifestation of anatomical substrates underlying post-myocardial infarction tachycardias. <i>Journal of Electrocardiology</i> , 2007 , 40, S21-5	1.4	9
8	Electrocardiographic changes after successful recanalization of a chronic total coronary occlusion. A systematic review and meta-analysis. <i>Cardiovascular Revascularization Medicine</i> , 2018 , 19, 221-228	1.6	8
7	Differential Mechanisms of Myocardial Conduction Slowing by Adipose Tissue-Derived Stromal Cells Derived from Different Species. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 22-30	6.9	7
6	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". <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 997	6.4	3
5	Response to Letter Regarding Article, Dominant Frequency of Atrial Fibrillation Correlates Poorly With Atrial Fibrillation Cycle Length. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010 , 3,	6.4	1
4	Arrhythmia Mechanisms in Ischemia and Infarction 2009 , 101-153		1
3	Mechanisms of Ventricular Tachycardia: Underlying Pathological and Physiological Abnormalities 18-27		1
2	Excitability and propagation of the electrical impulse in Venus flytrap; a comparative electrophysiological study of unipolar electrograms with myocardial tissue. <i>Bioelectrochemistry</i> , 2021 , 140, 107810	5.6	1

- 1 Electrophysiology of the A-V node in relation to A-V nodal reentry. *International Heart Journal*, **1996**, 37, 785-91