

James Coromilas

List of Publications by Citations

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37
papers

2,242
citations

19
h-index

37
g-index

37
ext. papers

2,439
ext. citations

11.1
avg, IF

3.85
L-index

#	Paper	IF	Citations
37	Electrophysiologic testing to identify patients with coronary artery disease who are at risk for sudden death. Multicenter Unsustained Tachycardia Trial Investigators. <i>New England Journal of Medicine</i> , 2000 , 342, 1937-45	59.2	425
36	Protection from cardiac arrhythmia through ryanodine receptor-stabilizing protein calstabin2. <i>Science</i> , 2004 , 304, 292-6	33.3	388
35	Disturbed connexin43 gap junction distribution correlates with the location of reentrant circuits in the epicardial border zone of healing canine infarcts that cause ventricular tachycardia. <i>Circulation</i> , 1997 , 95, 988-96	16.7	375
34	Stabilization of cardiac ryanodine receptor prevents intracellular calcium leak and arrhythmias. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7906-10	11.5	180
33	Left ventricular function and rapid release of creatine kinase MB in acute myocardial infarction. Evidence for spontaneous reperfusion. <i>New England Journal of Medicine</i> , 1983 , 309, 1-6	59.2	168
32	Model of reentrant ventricular tachycardia based on infarct border zone geometry predicts reentrant circuit features as determined by activation mapping. <i>Heart Rhythm</i> , 2007 , 4, 1034-45	6.7	63
31	Effect of beta-blocking therapy on outcome in the Multicenter UnSustained Tachycardia Trial (MUSTT). <i>Circulation</i> , 2002 , 106, 2694-9	16.7	59
30	Electrophysiological effects of flecainide on anisotropic conduction and reentry in infarcted canine hearts. <i>Circulation</i> , 1995 , 91, 2245-63	16.7	57
29	Prediction of sustained ventricular tachycardia inducible by programmed stimulation in patients with coronary artery disease. Utility of clinical variables. <i>Circulation</i> , 1999 , 99, 1843-50	16.7	53
28	Characteristics of the temporal and spatial excitable gap in anisotropic reentrant circuits causing sustained ventricular tachycardia. <i>Circulation Research</i> , 1998 , 82, 279-93	15.7	52
27	Anisotropic reentry in the epicardial border zone of myocardial infarcts. <i>Annals of the New York Academy of Sciences</i> , 1990 , 591, 86-108	6.5	47
26	Drug-device interactions: clinical considerations. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1985 , 8, 369-73	1.6	39
25	Mechanisms causing sustained ventricular tachycardia with multiple QRS morphologies: results of mapping studies in the infarcted canine heart. <i>Circulation</i> , 1997 , 96, 3721-31	16.7	38
24	Characterization of gap junction remodeling in epicardial border zone of healing canine infarcts and electrophysiological effects of partial reversal by rotigaptide. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 344-51	6.4	26
23	Source-Sink Mismatch Causing Functional Conduction Block in Re-Entrant Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2018 , 4, 1-16	4.6	26
22	Static relationship of cycle length to reentrant circuit geometry. <i>Circulation</i> , 2001 , 104, 1946-51	16.7	23
21	A physiologically based model of creatine kinase-MB release in reperfusion of acute myocardial infarction. <i>American Journal of Cardiology</i> , 1989 , 64, 11-5	3	23

20	Effects of overdrive stimulation on functional reentrant circuits causing ventricular tachycardia in the canine heart: mechanisms for resumption or alteration of tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 1993 , 4, 393-411	2.7	20
19	Model of bipolar electrogram fractionation and conduction block associated with activation wavefront direction at infarct border zone lateral isthmus boundaries. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 152-63	6.4	19
18	Formation of Functional Conduction Block During the Onset of Reentrant Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9,	6.4	17
17	Sinus rhythm electrogram shape measurements are predictive of the origins and characteristics of multiple reentrant ventricular tachycardia morphologies. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 1293-301	2.7	17
16	Effects of pinacidil on electrophysiological properties of epicardial border zone of healing canine infarcts: possible effects of K(ATP) channel activation. <i>Circulation</i> , 2002 , 105, 2309-17	16.7	17
15	Model of unidirectional block formation leading to reentrant ventricular tachycardia in the infarct border zone of postinfarction canine hearts. <i>Computers in Biology and Medicine</i> , 2015 , 62, 254-63	7	16
14	Dynamic changes in electrogram morphology at functional lines of block in reentrant circuits during ventricular tachycardia in the infarcted canine heart: a new method to localize reentrant circuits from electrogram features using adaptive template matching. <i>Journal of Cardiovascular Electrophysiology</i> , 1999 , 10, 194-213	2.7	15
13	Electrophysiological consequences of human IKs channel expression in adult murine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H168-75	5.2	14
12	Mechanisms for spontaneous changes in QRS morphology sometimes resembling torsades de pointes during reentrant ventricular tachycardia in a canine infarct model. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 686-94	2.7	12
11	Onset dynamics of ventricular tachyarrhythmias as measured by dominant frequency. <i>Heart Rhythm</i> , 2011 , 8, 615-23	6.7	9
10	Formation of reentrant circuits in the mid-myocardial infarct border zone. <i>Computers in Biology and Medicine</i> , 2016 , 71, 205-13	7	8
9	Beta receptor blockade potentiates the antiarrhythmic actions of d-sotalol on reentrant ventricular tachycardia in a canine model of myocardial infarction. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 1233-44	2.7	7
8	Mechanisms of resetting reentrant circuits in canine ventricular tachycardia. <i>Circulation</i> , 2001 , 103, 1148-56	16.7	7
7	Time dependent changes in duration of ventricular repolarization after AV node ablation: insights into the possible mechanism of postprocedural sudden death. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000 , 23, 1539-44	1.6	7
6	Mechanisms for spontaneous termination of monomorphic, sustained ventricular tachycardia: results of activation mapping of reentrant circuits in the epicardial border zone of subacute canine infarcts. <i>Journal of the American College of Cardiology</i> , 1998 , 31, 460-72	15.1	5
5	Double-wave reentry in orthodromic atrioventricular reciprocating tachycardia: paradoxical shortening of the tachycardia cycle length with development of ipsilateral bundle branch block. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 845-54	2.7	4
4	Slow uniform electrical activation during sinus rhythm is an indicator of reentrant VT isthmus location and orientation in an experimental model of myocardial infarction. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 196, 105666	6.9	3
3	Structure and function of the ventricular tachycardia isthmus. <i>Heart Rhythm</i> , 2021 ,	6.7	3

- 2 Reprint of a Model of unidirectional block formation leading to reentrant ventricular tachycardia in the infarct border zone of postinfarction canine heartsa *Computers in Biology and Medicine*, **2015**, 65, 256-66 7
- 1 Atrial tachycardia or atrioventricular nodal reentry? An unusual case of a long RP tachycardia. *PACE - Pacing and Clinical Electrophysiology*, **2001**, 24, 108-10 1.6