James Coromilas

List of Publications by Year in Descending Order

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	Structure and function of the ventricular tachycardia isthmus. *Heart Rhythm*, **2021**,	6.7	3
36	Slow uniform electrical activation during sinus rhythm is an indicator of reentrant VT isthmus location and orientation in an experimental model of myocardial infarction. *Computer Methods and Programs in Biomedicine*, **2020**, 196, 105666	6.9	3
35	Source-Sink Mismatch Causing Functional Conduction Block in Re-Entrant Ventricular Tachycardia. *JACC: Clinical Electrophysiology*, **2018**, 4, 1-16	4.6	26
34	Formation of Functional Conduction Block During the Onset of Reentrant Ventricular Tachycardia. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	17
33	Formation of reentrant circuits in the mid-myocardial infarct border zone. *Computers in Biology and Medicine*, **2016**, 71, 205-13	7	8
32	Model of unidirectional block formation leading to reentrant ventricular tachycardia in the infarct border zone of postinfarction canine hearts. *Computers in Biology and Medicine*, **2015**, 62, 254-63	7	16
31	Reprint of aModel 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	
30	Model of bipolar electrogram fractionation and conduction block associated with activation wavefront direction at infarct border zone lateral isthmus boundaries. *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 152-63	6.4	19
29	Onset dynamics of ventricular tachyarrhythmias as measured by dominant frequency. *Heart Rhythm* , **2011**, 8, 615-23	6.7	9
28	Characterization of gap junction remodeling in epicardial border zone of healing canine infarcts and electrophysiological effects of partial reversal by rotigaptide. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 344-51	6.4	26
27	Model of reentrant ventricular tachycardia based on infarct border zone geometry predicts reentrant circuit features as determined by activation mapping. *Heart Rhythm*, **2007**, 4, 1034-45	6.7	63
26	Stabilization of cardiac ryanodine receptor prevents intracellular calcium leak and arrhythmias. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 7906-10	11.5	180
25	Protection from cardiac arrhythmia through ryanodine receptor-stabilizing protein calstabin2. *Science*, **2004**, 304, 292-6	33.3	388
24	Sinus rhythm electrogram shape measurements are predictive of the origins and characteristics of multiple reentrant ventricular tachycardia morphologies. *Journal of Cardiovascular Electrophysiology*, **2004**, 15, 1293-301	2.7	17
23	Electrophysiological consequences of human IKs channel expression in adult murine heart. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H168-75	5.2	14
22	Beta receptor blockade potentiates the antiarrhythmic actions of d-sotalol on reentrant ventricular tachycardia in a canine model of myocardial infarction. *Journal of Cardiovascular Electrophysiology*, **2003**, 14, 1233-44	2.7	7
21	Effect of beta-blocking therapy on outcome in the Multicenter UnSustained Tachycardia Trial (MUSTT). *Circulation*, **2002**, 106, 2694-9	16.7	59

20	Effects of pinacidil on electrophysiological properties of epicardial border zone of healing canine infarcts: possible effects of K(ATP) channel activation. *Circulation*, **2002**, 105, 2309-17	16.7	17
19	Mechanisms for spontaneous changes in QRS morphology sometimes resembling torsades de pointes during reentrant ventricular tachycardia in a canine infarct model. *Journal of Cardiovascular Electrophysiology*, **2001**, 12, 686-94	2.7	12
18	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	
17	Static relationship of cycle length to reentrant circuit geometry. *Circulation*, **2001**, 104, 1946-51	16.7	23
16	Mechanisms of resetting reentrant circuits in canine ventricular tachycardia. *Circulation*, **2001**, 103, 1148-56	16.7	7
15	Time dependent changes in duration of ventricular repolarization after AV node ablation: insights into the possible mechanism of postprocedural sudden death. *PACE - Pacing and Clinical Electrophysiology*, **2000**, 23, 1539-44	1.6	7
14	Electrophysiologic testing to identify patients with coronary artery disease who are at risk for sudden death. Multicenter Unsustained Tachycardia Trial Investigators. *New England Journal of Medicine*, **2000**, 342, 1937-45	59.2	425
13	Prediction of sustained ventricular tachycardia inducible by programmed stimulation in patients with coronary artery disease. Utility of clinical variables. *Circulation*, **1999**, 99, 1843-50	16.7	53
12	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. *Journal of Cardiovascular Electrophysiology*, **1999**, 10, 194-213	2.7	15
11	Double-wave reentry in orthodromic atrioventricular reciprocating tachycardia: paradoxical shortening of the tachycardia cycle length with development of ipsilateral bundle branch block. *Journal of Cardiovascular Electrophysiology*, **1998**, 9, 845-54	2.7	4
10	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. *Journal of the American College of Cardiology*, **1998**, 31, 460-72	15.1	5
9	Characteristics of the temporal and spatial excitable gap in anisotropic reentrant circuits causing sustained ventricular tachycardia. *Circulation Research*, **1998**, 82, 279-93	15.7	52
8	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. *Circulation*, **1997**, 95, 988-96	16.7	375
7	Mechanisms causing sustained ventricular tachycardia with multiple QRS morphologies: results of mapping studies in the infarcted canine heart. *Circulation*, **1997**, 96, 3721-31	16.7	38
6	Electrophysiological effects of flecainide on anisotropic conduction and reentry in infarcted canine hearts. *Circulation*, **1995**, 91, 2245-63	16.7	57
5	Effects of overdrive stimulation on functional reentrant circuits causing ventricular tachycardia in the canine heart: mechanisms for resumption or alteration of tachycardia. *Journal of Cardiovascular Electrophysiology*, **1993**, 4, 393-411	2.7	20
4	Anisotropic reentry in the epicardial border zone of myocardial infarcts. *Annals of the New York Academy of Sciences*, **1990**, 591, 86-108	6.5	47
3	A physiologically based model of creatine kinase-MB release in reperfusion of acute myocardial infarction. *American Journal of Cardiology*, **1989**, 64, 11-5	3	23

2	Drug-device interactions: clinical considerations. *PACE - Pacing and Clinical Electrophysiology*, **1985**, 8, 369-73	1.6	39
1	Left ventricular function and rapid release of creatine kinase MB in acute myocardial infarction. Evidence for spontaneous reperfusion. *New England Journal of Medicine*, **1983**, 309, 1-6	59.2	168