

# James Coromilas

## List of Publications by Year in descending order

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37  
papers

2,687  
citations

361045  
20  
h-index

344852  
36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophysiologic Testing to Identify Patients with Coronary Artery Disease Who Are at Risk for Sudden Death. <i>New England Journal of Medicine</i> , 2000, 342, 1937-1945.	13.9	520
2	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, 988-996.	1.6	466
3	Protection from Cardiac Arrhythmia Through Ryanodine Receptor-Stabilizing Protein Calstabin2. <i>Science</i> , 2004, 304, 292-296.	6.0	431
4	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, 7906-7910.	3.3	209
5	Left Ventricular Function and Rapid Release of Creatine Kinase MB in Acute Myocardial Infarction. <i>New England Journal of Medicine</i> , 1983, 309, 1-6.	13.9	186
6	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, 1034-1045.	0.3	73
7	Electrophysiological Effects of Flecainide on Anisotropic Conduction and Reentry in Infarcted Canine Hearts. <i>Circulation</i> , 1995, 91, 2245-2263.	1.6	71
8	Effect of $\beta_2$ -Blocking Therapy on Outcome in the Multicenter UnSustained Tachycardia Trial (MUSTT). <i>Circulation</i> , 2002, 106, 2694-2699.	1.6	64
9	Prediction of Sustained Ventricular Tachycardia Inducible by Programmed Stimulation in Patients With Coronary Artery Disease. <i>Circulation</i> , 1999, 99, 1843-1850.	1.6	62
10	Characteristics of the Temporal and Spatial Excitable Gap in Anisotropic Reentrant Circuits Causing Sustained Ventricular Tachycardia. <i>Circulation Research</i> , 1998, 82, 279-293.	2.0	60
11	Anisotropic Reentry in the Epicardial Border Zone of Myocardial Infarcts. <i>Annals of the New York Academy of Sciences</i> , 1990, 591, 86-108.	1.8	53
12	Mechanisms Causing Sustained Ventricular Tachycardia With Multiple QRS Morphologies. <i>Circulation</i> , 1997, 96, 3721-3731.	1.6	51
13	Source-Sink Mismatch Causing Functional Conduction Block in Re-Entrant Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1-16.	1.3	43
14	Drug-Device Interactions: Clinical Considerations. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1985, 8, 369-373.	0.5	42
15	Structure and function of the ventricular tachycardia isthmus. <i>Heart Rhythm</i> , 2022, 19, 137-153.	0.3	31
16	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, 344-351.	2.1	30
17	Static Relationship of Cycle Length to Reentrant Circuit Geometry. <i>Circulation</i> , 2001, 104, 1946-1951.	1.6	27
18	A physiologically based model of creatine kinase-MB release in reperfusion of acute myocardial infarction. <i>American Journal of Cardiology</i> , 1989, 64, 11-15.	0.7	26

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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, 152-163.	2.1	25
20	Formation of Functional Conduction Block During the Onset of Reentrant Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	23
21	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, 1293-1301.	0.8	21
22	Effects of Overdrive Stimulation on Functional Reentrant Circuits Causing Ventricular Tachycardia in the Canine Heart... <i>Journal of Cardiovascular Electrophysiology</i> , 1993, 4, 393-411.	0.8	20
23	Effects of Pinacidil on Electrophysiological Properties of Epicardial Border Zone of Healing Canine Infarcts. <i>Circulation</i> , 2002, 105, 2309-2317.	1.6	20
24	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, 254-263.	3.9	19
25	Dynamic Changes in Electrogram Morphology at Functional Lines of Block in Reentrant Circuits During Ventricular Tachycardia in the Infarcted Canine Heart.. <i>Journal of Cardiovascular Electrophysiology</i> , 1999, 10, 194-213.	0.8	17
26	Electrophysiological consequences of human I <sub>Ks</sub> channel expression in adult murine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H168-H175.	1.5	14
27	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, 686-694.	0.8	13
28	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, 1233-1244.	0.8	13
29	Formation of reentrant circuits in the mid-myocardial infarct border zone. <i>Computers in Biology and Medicine</i> , 2016, 71, 205-213.	3.9	11
30	Onset dynamics of ventricular tachyarrhythmias as measured by dominant frequency. <i>Heart Rhythm</i> , 2011, 8, 615-623.	0.3	10
31	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, 1539-1544.	0.5	9
32	Mechanisms of Resetting Reentrant Circuits in Canine Ventricular Tachycardia. <i>Circulation</i> , 2001, 103, 1148-1156.	1.6	8
33	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.	2.6	7
34	Mechanisms for Spontaneous Termination of Monomorphic, Sustained Ventricular Tachycardia. <i>Journal of the American College of Cardiology</i> , 1998, 31, 460-472.	1.2	6
35	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, 845-854.	0.8	5
36	Reprint of '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, 65, 256-266.	3.9	1

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37	Atrial Tachycardia or Atrioventricular Nodal Reentry? An Unusual Case of a Long RP Tachycardia. PACE - Pacing and Clinical Electrophysiology, 2001, 24, 108-110.	0.5	0