

Antonio Zaza

List of Publications by Year in descending order

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108
papers

3,896
citations

126907

33
h-index

138484

58
g-index

111
all docs

111
docs citations

111
times ranked

4792
citing authors

#	ARTICLE	IF	CITATIONS
1	2019 ESC Guidelines for the management of patients with supraventricular tachycardiaThe Task Force for the management of patients with supraventricular tachycardia of the European Society of Cardiology (ESC). European Heart Journal, 2020, 41, 655-720.	2.2	647
2	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. Nature, 2009, 460, 264-268.	27.8	279
3	Pathophysiology and pharmacology of the cardiac α -late sodium current, 2008, 119, 326-339.		159
4	Baroreflex Sensitivity and Its Evolution During the First Year After Myocardial Infarction. Journal of the American College of Cardiology, 1988, 12, 629-636.	2.8	155
5	Autonomic indexes based on the analysis of heart rate variability: a view from the sinus node. Cardiovascular Research, 2001, 50, 434-442.	3.8	154
6	The effect of antiarrhythmic drugs on life-threatening arrhythmias induced by the interaction between acute myocardial ischemia and sympathetic hyperactivity. American Heart Journal, 1985, 109, 937-948.	2.7	113
7	Elucidating arrhythmogenic mechanisms of long-QT syndrome CALM1-F142L mutation in patient-specific induced pluripotent stem cell-derived cardiomyocytes. Cardiovascular Research, 2017, 113, 531-541.	3.8	110
8	A toxin to nervous, cardiac, and endocrine ERG K ⁺ channels isolated from <i>Centruroides noxius</i> scorpion venom. FASEB Journal, 1999, 13, 953-962.	0.5	104
9	Rate dependency of delayed rectifier currents during the guinea pig ventricular action potential. Journal of Physiology, 2001, 534, 721-732.	2.9	97
10	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. Journal of Cell Biology, 2011, 193, 1197-1212.	5.2	77
11	Determinants of Beat-to-Beat Variability of Repolarization Duration in the Canine Ventricular Myocyte: A Computational Analysis. PLoS Computational Biology, 2013, 9, e1003202.	3.2	73
12	Dynamic Ca ²⁺ -Induced Inward Rectification of K ⁺ Current During the Ventricular Action Potential. Circulation Research, 1998, 82, 947-956.	4.5	66
13	Ionic currents during sustained pacemaker activity in rabbit sino-atrial myocytes. Journal of Physiology, 1997, 505, 677-688.	2.9	64
14	Pharmacological Profile of the Novel Inotropic Agent (E,Z)-3-((2-Aminoethoxy)imino)androstane-6,17-dione Hydrochloride (PST2744). Journal of Pharmacology and Experimental Therapeutics, 2002, 303, 592-600.	2.5	59
15	Role of the Input/Output Relation of Sinoatrial Myocytes in Cholinergic Modulation of Heart Rate Variability. Journal of Cardiovascular Electrophysiology, 2000, 11, 522-530.	1.7	58
16	Post-natal cardiomyocytes can generate iPS cells with an enhanced capacity toward cardiomyogenic re-differentiation. Cell Death and Differentiation, 2012, 19, 1162-1174.	11.2	55
17	Reverse rate dependency is an intrinsic property of canine cardiac preparations. Cardiovascular Research, 2009, 84, 237-244.	3.8	54
18	Modulation of Sarcoplasmic Reticulum Function by Na ⁺ /K ⁺ Pump Inhibitors with Different Toxicity: Digoxin and PST2744 [(E,Z)-3-((2-Aminoethoxy)imino)androstane-6,17-dione Hydrochloride]. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 207-215.	2.5	53

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19	Diverse Toxicity Associated with Cardiac Na ⁺ /K ⁺ Pump Inhibition: Evaluation of Electrophysiological Mechanisms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 765-771.	2.5	51
20	Reverse rate-dependent changes are determined by baseline action potential duration in mammalian and human ventricular preparations. <i>Basic Research in Cardiology</i> , 2010, 105, 315-323.	5.9	51
21	A Brugada syndrome mutation (p.S216L) and its modulation by p.H558R polymorphism: standard and dynamic characterization. <i>Cardiovascular Research</i> , 2011, 91, 606-616.	3.8	50
22	Deranged sodium to sudden death. <i>Journal of Physiology</i> , 2015, 593, 1331-1345.	2.9	46
23	Theoretical investigation of action potential duration dependence on extracellular Ca ²⁺ in human cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 332-342.	1.9	42
24	Ranolazine prevents INaL enhancement and blunts myocardial remodelling in a model of pulmonary hypertension. <i>Cardiovascular Research</i> , 2014, 104, 37-48.	3.8	42
25	Peptidomimetic Targeting of Ca ^v 2 Overcomes Dysregulation of the L-Type Calcium Channel Density and Recovers Cardiac Function. <i>Circulation</i> , 2016, 134, 534-546.	1.6	42
26	Modulation of the Hyperpolarization-Activated Current (I _f) by Adenosine in Rabbit Sinoatrial Myocytes. <i>Circulation</i> , 1996, 94, 734-741.	1.6	42
27	The Late Na ⁺ Current - Origin and Pathophysiological Relevance. <i>Cardiovascular Drugs and Therapy</i> , 2013, 27, 61-68.	2.6	41
28	Sulfonylureas blockade of neural and cardiac HERG channels. <i>FEBS Letters</i> , 1998, 440, 125-130.	2.8	40
29	Control of the cardiac action potential: The role of repolarization dynamics. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 106-111.	1.9	38
30	The search for novel antiarrhythmic strategies. <i>European Heart Journal</i> , 1998, 19, 1178-1196.	2.2	37
31	Effect of ventricular fibrillation complicating acute myocardial infarction on long-term prognosis: Importance of the site of infarction. <i>American Journal of Cardiology</i> , 1985, 56, 384-389.	1.6	36
32	A variant in the carboxyl-terminus of connexin 40 alters GAP junctions and increases risk for tetralogy of Fallot. <i>European Journal of Human Genetics</i> , 2013, 21, 69-75.	2.8	36
33	Sodium current block caused by group IIb cations in calf Purkinje fibres and in guinea-pig ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1990, 417, 213-222.	2.8	34
34	Rate dependency of β -adrenergic modulation of repolarizing currents in the guinea-pig ventricle. <i>Journal of Physiology</i> , 2006, 574, 183-193.	2.9	34
35	MTMR4 SNVs modulate ion channel degradation and clinical severity in congenital long QT syndrome: insights in the mechanism of action of protective modifier genes. <i>Cardiovascular Research</i> , 2021, 117, 767-779.	3.8	34
36	Modulation of Sarcoplasmic Reticulum Function by PST2744 [Istaroxime]; Pressure-Overload Heart Failure Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 957-965.	2.5	33

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37	Self-termination of the lengthening of repolarization is related to the shape of the cardiac action potential: implications for reverse rate dependency. <i>British Journal of Pharmacology</i> , 2009, 156, 1076-1084.	5.4	33
38	Impact on Repolarization and Its Variability Assessed by Dynamic Clamp. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1265-1275.	4.8	33
39	Intracellular calcium does not directly modulate cardiac pacemaker (if) channels. <i>Pflügers Archiv European Journal of Physiology</i> , 1991, 419, 662-664.	2.8	32
40	Modulation of sympathetic activity and heart rate variability by ivabradine. <i>Cardiovascular Research</i> , 2015, 108, 31-38.	3.8	32
41	Combination of miRNA499 and miRNA133 Exerts a Synergic Effect on Cardiac Differentiation. <i>Stem Cells</i> , 2015, 33, 1187-1199.	3.2	31
42	Efficacy of diltiazem in two experimental feline models of sudden cardiac death. <i>Journal of the American College of Cardiology</i> , 1986, 8, 661-668.	2.8	29
43	Role and mechanism of subcellular Ca ²⁺ distribution in the action of two inotropic agents with different toxicity. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 910-918.	1.9	28
44	Late sodium current and intracellular ionic homeostasis in acute ischemia. <i>Basic Research in Cardiology</i> , 2017, 112, 12.	5.9	27
45	Role of the Autonomic Nervous System in the Genesis of Early Ischemic Arrhythmias. <i>Journal of Cardiovascular Pharmacology</i> , 1985, 7, S8-S12.	1.9	25
46	Calmodulinopathy: A Novel, Life-Threatening Clinical Entity Affecting the Young. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 175.	2.4	25
47	Serum potassium and arrhythmias. <i>Europace</i> , 2008, 11, 421-422.	1.7	24
48	Celecoxib blocks cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 984-992.	1.9	24
49	Marine n-3 PUFAs modulate IKs gating, channel expression, and location in membrane microdomains. <i>Cardiovascular Research</i> , 2015, 105, 223-232.	3.8	24
50	ESC working group on cardiac cellular electrophysiology position paper: relevance, opportunities, and limitations of experimental models for cardiac electrophysiology research. <i>Europace</i> , 2021, 23, 1795-1814.	1.7	24
51	Interstitial pressure and lung oedema in chronic hypoxia. <i>European Respiratory Journal</i> , 2011, 37, 943-949.	6.7	22
52	Action potential contour contributes to species differences in repolarization response to β^2 -adrenergic stimulation. <i>Europace</i> , 2018, 20, 1543-1552.	1.7	22
53	NOS1AP polymorphisms reduce NOS1 activity and interact with prolonged repolarization in arrhythmogenesis. <i>Cardiovascular Research</i> , 2021, 117, 472-483.	3.8	22
54	Mechanisms of β^2 -Adrenergic Modulation of IKs in the Guinea-Pig Ventricle: Insights from Experimental and Model-Based Analysis. <i>Biophysical Journal</i> , 2009, 96, 3862-3872.	0.5	21

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55	Calcium Store Stability as an Antiarrhythmic Endpoint. <i>Current Pharmaceutical Design</i> , 2014, 21, 1053-1061.	1.9	21
56	Caffeine-induced Ca ²⁺ signaling as an index of cardiac progenitor cells differentiation. <i>Basic Research in Cardiology</i> , 2010, 105, 737-749.	5.9	20
57	Calmodulinopathy: Functional Effects of CALM Mutations and Their Relationship With Clinical Phenotypes. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 176.	2.4	19
58	Characterization of the PLN p.Arg14del Mutation in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13500.	4.1	16
59	Combined action potential- and dynamic-clamp for accurate computational modelling of the cardiac IKr current. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 187-194.	1.9	14
60	Opportunities and challenges of current electrophysiology research: a plea to establish 'translational electrophysiology' curricula. <i>Europace</i> , 2015, 17, 825-833.	1.7	13
61	Parasympathetic control of cycle length dependence of endocardial ventricular repolarisation in the intact feline heart during steady state conditions. <i>Cardiovascular Research</i> , 1993, 27, 823-827.	3.8	12
62	Characterization of the non-linear rate-dependency of QT interval in humans. <i>Europace</i> , 2003, 5, 163-170.	1.7	12
63	Late sodium current (I _{NaL}) in pancreatic β^2 -cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1757-1768.	2.8	12
64	Lidocaine Inhibition of the Hyperpolarization-Activated Current (I _f) in Sinoatrial Myocytes. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 434-439.	1.9	12
65	Lack of correlation between occlusion and reperfusion arrhythmias in the cat. <i>American Heart Journal</i> , 1985, 109, 932-936.	2.7	11
66	Computational cardiac electrophysiology is ready for prime time. <i>Europace</i> , 2014, 16, 382-383.	1.7	11
67	Highly Selective SERCA2a Activators: Preclinical Development of a Congeneric Group of First-in-Class Drug Leads against Heart Failure. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7324-7333.	6.4	11
68	Arrhythmias and Heart Rate: Mechanisms and Significance of a Relationship. <i>Arrhythmia and Electrophysiology Review</i> , 2018, 7, 1.	2.4	10
69	Ranolazine ameliorates postresuscitation electrical instability and myocardial dysfunction and improves survival with good neurologic recovery in a rat model of cardiac arrest. <i>Heart Rhythm</i> , 2014, 11, 1641-1647.	0.7	9
70	Role of the β^2 -adrenergic receptor subtype in catecholamine-induced myocardial remodeling. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 149-160.	3.1	9
71	The Cardiac Pacemaker Current I _f . <i>Journal of Cardiovascular Electrophysiology</i> , 1992, 3, 334-344.	1.7	8
72	Selective cardiodepressant activity of fluodipine, a fluorenone-1,4-dihydropyridine derivative. <i>European Journal of Pharmacology</i> , 1998, 359, 161-170.	3.5	8

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73	Mechanism of Reverse Rate-Dependent Action of Cardioactive Agents. <i>Current Medicinal Chemistry</i> , 2011, 18, 3597-3606.	2.4	8
74	Muscarinic Effects on Action Potential Duration and its Rate Dependence in Canine Purkinje Fibers. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1996, 19, 2023-2026.	1.2	7
75	Straightforward synthesis of novel Akt inhibitors based on a glucose scaffold. <i>Carbohydrate Research</i> , 2010, 345, 1291-1298.	2.3	7
76	Different Effects of Antiarrhythmic Drugs on the Rate-Dependency of QT Interval: A Study With Amiodarone and Flecainide. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 535-540.	1.9	6
77	Electrophysiology meets geometry. <i>Europace</i> , 2016, 18, 317-317.	1.7	6
78	Repolarization instability and arrhythmia by IKr block in single human-induced pluripotent stem cell-derived cardiomyocytes and 2D monolayers. <i>Europace</i> , 2020, 22, 1431-1441.	1.7	6
79	Action Potential Prolongation, β^2 -Adrenergic Stimulation, and Angiotensin II as Co-factors in Sarcoplasmic Reticulum Instability. <i>Frontiers in Physiology</i> , 2018, 9, 1893.	2.8	5
80	The role of the autonomic system in rate-dependent repolarization changes. <i>Heart Rhythm</i> , 2010, 7, 1700-1703.	0.7	4
81	Computational cardiac electrophysiology is moving towards translation medicine. <i>Europace</i> , 2014, 16, 703-704.	1.7	4
82	Altered functional differentiation of mesoangioblasts in a genetic myopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 419-428.	3.6	3
83	Modulation of the Electrical Restitution of Canine Purkinje Fibers by Local Anesthetic Drugs: A Study with Flecainide and Propafenone. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1994, 17, 2074-2078.	1.2	2
84	Special issue on biopacemaking: clinically attractive, scientifically a challenge. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 115-118.	2.8	2
85	Induced pluripotent stem cells: progress towards a biomedical application. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 1265-1269.	1.5	2
86	Mechanisms of Cav3-associated arrhythmia: Protein or microdomain dysfunction?. <i>International Journal of Cardiology</i> , 2020, 320, 97-99.	1.7	2
87	Drugs to Enhance or Inhibit Sinus Node Activity. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1998, 2, 228-231.	1.0	1
88	Case of the month by the EHRA Education committee: exercise-related arrhythmias. <i>Europace</i> , 2008, 10, 235-237.	1.7	1
89	Genotype-Phenotype Correlation in Induced Pluripotent Stem Cell (iPSC)Derived Cardiomyocytes Carrying Calmodulin Mutations. <i>Biophysical Journal</i> , 2014, 106, 333a.	0.5	1
90	Case of polymorphic ventricular tachycardia after stroke necessitating defibrillation. <i>Europace</i> , 2007, 10, 77-78.	1.7	0

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91	model-based analysis of the β^2 -adrenergic modulation of IKS in the guinea-pig ventricle. Journal of Molecular and Cellular Cardiology, 2008, 44, 799.	1.9	0
92	β^2 -adrenergic modulation of IKs gating in the guinea pig: What can be learned by numerical modelling. , 2008, , .		0
93	Celecoxib Blocks Cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) Channels. Effects on Cardiac Action Potentials. Biophysical Journal, 2011, 100, 429a.	0.5	0
94	Aberrant Functional Differentiation of Cardiac Precursors from a Dystrophic Mouse. Biophysical Journal, 2012, 102, 674a.	0.5	0
95	Prevention of Myocardial Remodeling by Chronic INaL Blockade in Pulmonary Hypertension. Biophysical Journal, 2012, 102, 340a.	0.5	0
96	INaL in the Pathophysiology of Insulin-Secretion: A β^2 -Cardiac Paradigm in a New Cell Type. Biophysical Journal, 2014, 106, 327a.	0.5	0
97	IKr Impact on Repolarization and its Variability Assessed by Dynamic-Clamp. Biophysical Journal, 2014, 106, 121a.	0.5	0
98	Action Potential Shape Differences Set Species-Dependent β^2 -Adrenergic-Stimulation Response. Biophysical Journal, 2014, 106, 119a.	0.5	0
99	Human Induced Pluripotent Stem Cells-Derived Cardiomyocytes Carrying CALM1-F142I Mutation Recapitulate LQTS Phenotype in Vitro. Biophysical Journal, 2016, 110, 263a.	0.5	0
100	Effects of Late Sodium Current (INaL) Blockade during Acute Myocardial Ischemia. Biophysical Journal, 2016, 110, 110a.	0.5	0
101	Unperceived Properties of the Relationship between Net Membrane Current and Action Potential Duration. Biophysical Journal, 2018, 114, 474a.	0.5	0
102	Istaroxime Accelerates Calcium Transient Decay in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Biophysical Journal, 2018, 114, 306a.	0.5	0
103	Phosphodiesterase 5: A Novel Therapeutic Target in Long QT Syndrome. Circulation Research, 2021, 129, 666-668.	4.5	0
104	Tissue-specificity Of Mitochondrial Adaptations After 4 Weeks Of Normobaric Hypoxia In Rats. Medicine and Science in Sports and Exercise, 2016, 48, 570.	0.4	0
105	OUP accepted manuscript. Cardiovascular Research, 2021, , .	3.8	0
106	SERCA2a gain of function in patient-derived R14Del hiPSC-CMs. Journal of General Physiology, 2022, 154, .	1.9	0
107	Mobile Anchors. Function, 0, , .	2.3	0
108	Ranolazine in Stable Angina: Mechanism of Action and Therapeutic Implications. Reviews in Cardiovascular Medicine, 2013, 14, 23-29.	1.4	0