

Rachel C Myles

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,110
citations

471061

17
h-index

454577

30
g-index

36
all docs

36
docs citations

36
times ranked

1743
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of acarbose on cardiovascular and diabetes outcomes in patients with coronary heart disease and impaired glucose tolerance (ACE): a randomised, double-blind, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 877-886.	5.5	245
2	Local β_2 -Adrenergic Stimulation Overcomes Source-Sink Mismatch to Generate Focal Arrhythmia. <i>Circulation Research</i> , 2012, 110, 1454-1464.	2.0	130
3	Optical Mapping of Sarcoplasmic Reticulum Ca^{2+} in the Intact Heart. <i>Circulation Research</i> , 2014, 114, 1410-1421.	2.0	119
4	Molecular Mechanisms of Sympathetic Remodeling and Arrhythmias. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e001359.	2.1	59
5	Red cell distribution width has incremental prognostic value to β -natriuretic peptide in acute heart failure. <i>European Journal of Heart Failure</i> , 2009, 11, 1152-1154.	2.9	48
6	Cardiotoxic effects of angiogenesis inhibitors. <i>Clinical Science</i> , 2021, 135, 71-100.	1.8	46
7	Optical and electrical recordings from isolated coronary-perfused ventricular wedge preparations. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 54, 53-64.	0.9	44
8	Effect of activation sequence on transmural patterns of repolarization and action potential duration in rabbit ventricular myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1812-H1822.	1.5	42
9	Alternans of action potential duration and amplitude in rabbits with left ventricular dysfunction following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 510-521.	0.9	35
10	Decreased inward rectifying K^{+} current and increased ryanodine receptor sensitivity synergistically contribute to sustained focal arrhythmia in the intact rabbit heart. <i>Journal of Physiology</i> , 2015, 593, 1479-1493.	1.3	33
11	The link between repolarisation alternans and ventricular arrhythmia: Does the cellular phenomenon extend to the clinical problem?. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 1-10.	0.9	32
12	Subepicardial Action Potential Characteristics Are a Function of Depth and Activation Sequence in Isolated Rabbit Hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 809-817.	2.1	28
13	Moderate but not severe hypothermia causes pro-arrhythmic changes in cardiac electrophysiology. <i>Cardiovascular Research</i> , 2020, 116, 2081-2090.	1.8	27
14	Profile of microvolt T-wave alternans testing in 1003 patients hospitalized with heart failure. <i>European Journal of Heart Failure</i> , 2012, 14, 377-386.	2.9	25
15	Is Microvolt T-Wave Alternans the Answer to Risk Stratification in Heart Failure?. <i>Circulation</i> , 2007, 116, 2984-2991.	1.6	24
16	In vivo grafting of large engineered heart tissue patches for cardiac repair. <i>JCI Insight</i> , 2021, 6, .	2.3	23
17	Different paths, same destination: divergent action potential responses produce conserved cardiac fight-or-flight response in mouse and rabbit hearts. <i>Journal of Physiology</i> , 2019, 597, 3867-3883.	1.3	22
18	Dynamic clamping human and rabbit atrial calcium current: narrowing I_{CaL} window abolishes early afterdepolarizations. <i>Journal of Physiology</i> , 2019, 597, 3619-3638.	1.3	20

#	ARTICLE	IF	CITATIONS
19	The vascular effects of rotigaptide in vivo in man. <i>Biochemical Pharmacology</i> , 2008, 76, 1194-1200.	2.0	18
20	Rationale, objectives, and design of the EUTrigTreat clinical study: a prospective observational study for arrhythmia risk stratification and assessment of interrelationships among repolarization markers and genotype. <i>Europace</i> , 2012, 14, 416-422.	0.7	15
21	Role of Reduced Sarco-Endoplasmic Reticulum Ca ²⁺ -ATPase Function on Sarcoplasmic Reticulum Ca ²⁺ Alternans in the Intact Rabbit Heart. <i>Frontiers in Physiology</i> , 2021, 12, 656516.	1.3	15
22	Electrophysiological heterogeneity in large populations of rabbit ventricular cardiomyocytes. <i>Cardiovascular Research</i> , 2022, 118, 3112-3125.	1.8	13
23	Spectral microvolt T-wave alternans testing has no prognostic value in patients recently hospitalized with decompensated heart failure. <i>European Journal of Heart Failure</i> , 2013, 15, 1253-1261.	2.9	12
24	A novel ECG-biomarker for cardiac arrest during hypothermia. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2020, 28, 27.	1.1	11
25	Î ² -Adrenergic Inhibition Prevents Action Potential and Calcium Handling Changes during Regional Myocardial Ischemia. <i>Frontiers in Physiology</i> , 2017, 8, 630.	1.3	8
26	Initiation of ventricular arrhythmia in the acquired long QT syndrome. <i>Cardiovascular Research</i> , 2023, 119, 465-476.	1.8	8
27	Ventricular Endocardial Tissue Geometry Affects Stimulus Threshold and Effective Refractory Period. <i>Biophysical Journal</i> , 2018, 115, 2486-2498.	0.2	3
28	Microvolt T-Wave Alternans Testing Has No Role at Present in Guiding Therapy for Patients at High Risk of Ventricular Arrhythmias. <i>Journal of the American College of Cardiology</i> , 2012, 59, 856.	1.2	2
29	OUP accepted manuscript. <i>Cardiovascular Research</i> , 2021, 117, e159-e161.	1.8	2
30	Comparison of Action Potential Characteristics from Intact Rabbit Myocardium Using 2-Photon Excitation, Widefield Epifluorescence and Microelectrode Recordings. <i>Biophysical Journal</i> , 2011, 100, 576a.	0.2	1
31	Feasibility/eligibility of Tâ€wave alternans testing in patients with heart failure: should we rethink our current modus operandi?: reply. <i>European Journal of Heart Failure</i> , 2012, 14, 676-677.	2.9	0
32	Microvolt Tâ€wave alternans testing should be used to guide arrhythmic therapy in heart failure patients: reply. <i>European Journal of Heart Failure</i> , 2012, 14, 678-678.	2.9	0
33	Microvolt Tâ€wave alternans testing in patients recently hospitalized with decompensated heart failure. <i>European Journal of Heart Failure</i> , 2014, 16, 113-113.	2.9	0
34	Dual optical mapping of the innervated Langendorff-perfused heart reveals novel insights into acute electrophysiological responses to sympathetic stimulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 151-152.	0.9	0
35	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-79.	0.0	0
36	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, YIA-3.	0.0	0