Dobromir Dobrev

List of Publications by Citations

271 papers	29,392 citations	75 h-index	169 g-index
379 ext. papers	37,643 ext. citations	6.8 avg, IF	6.94 L-index

#	Paper	IF	Citations
271	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. *European Heart Journal*, **2016**, 37, 2893-2962	9.5	4465
270	2014 ESC/EACTS Guidelines on myocardial revascularization: The Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS)Developed with the special contribution of the European Association of Percutaneous Cardiovascular Interventions (EAPCI). *European Heart Journal*, **2014**, 35, 2541-619	9.5	3467
269	2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death: The Task Force for the Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death of the European Society of Cardiology (ESC). Endorsed by: Association for European Paediatric and Congenital Cardiology [AEPC]. *European Heart Journal*, **2015**, 36, 2793-867	9.5	2187
268	2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS): The Task Force for the diagnosis and management of atrial fibrillation of the European Society of Cardiology (ESC) Developed with the special contribution of the European Heart Rhythm Association (EHRA) of the	9.5	1676
267	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. *Europace*, **2016**, 18, 1609-1678	3.9	1293
266	Atrial remodeling and atrial fibrillation: mechanisms and implications. *Circulation: Arrhythmia and Electrophysiology*, **2008**, 1, 62-73	6.4	704
265	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. *European Journal of Cardio-thoracic Surgery*, **2016**, 50, e1-e88	3	589
264	2014 ESC/EACTS Guidelines on myocardial revascularization: the Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). Developed with the special contribution of the European Association of Percutaneous Cardiovascular Interventions (EAPCI). *European Journal of*	3	588
263	The clinical profile and pathophysiology of atrial fibrillation: relationships among clinical features, epidemiology, and mechanisms. *Circulation Research*, **2014**, 114, 1453-68	15.7	587
262	2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death: The Task Force for the Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death of the European Society of Cardiology (ESC)Endorsed by: Association for European Paediatric and Congenital Cardiology	3.9	426
261	Enhanced sarcoplasmic reticulum Ca2+ leak and increased Na+-Ca2+ exchanger function underlie delayed afterdepolarizations in patients with chronic atrial fibrillation. *Circulation*, **2012**, 125, 2059-70	16.7	395
260	Cellular and molecular electrophysiology of atrial fibrillation initiation, maintenance, and progression. *Circulation Research*, **2014**, 114, 1483-99	15.7	373
259	Recent advances in the molecular pathophysiology of atrial fibrillation. *Journal of Clinical Investigation*, **2011**, 121, 2955-68	15.9	369
258	Calmodulin kinase II-mediated sarcoplasmic reticulum Ca2+ leak promotes atrial fibrillation in mice. *Journal of Clinical Investigation*, **2009**, 119, 1940-51	15.9	279
257	Cellular and molecular mechanisms of atrial arrhythmogenesis in patients with paroxysmal atrial fibrillation. *Circulation*, **2014**, 129, 145-156	16.7	273
256	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. *Europace*, **2016**, 18, 1455-1490	3.9	268
255	Defective cardiac ryanodine receptor regulation during atrial fibrillation. *Circulation*, **2005**, 111, 2025-32	16.7	267

254	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	9.5	267
253	Human atrial action potential and Ca2+ model: sinus rhythm and chronic atrial fibrillation. *Circulation Research*, **2011**, 109, 1055-66	15.7	238
252	Role of IKur in controlling action potential shape and contractility in the human atrium: influence of chronic atrial fibrillation. *Circulation*, **2004**, 110, 2299-306	16.7	219
251	New antiarrhythmic drugs for treatment of atrial fibrillation. *Lancet, The*, **2010**, 375, 1212-23	40	210
250	Calcium Signaling and Cardiac Arrhythmias. *Circulation Research*, **2017**, 120, 1969-1993	15.7	207
249	Calcium-handling abnormalities underlying atrial arrhythmogenesis and contractile dysfunction in dogs with congestive heart failure. *Circulation: Arrhythmia and Electrophysiology*, **2008**, 1, 93-102	6.4	205
248	Molecular determinants of altered Ca2+ handling in human chronic atrial fibrillation. *Circulation*, **2006**, 114, 670-80	16.7	200
247	Human atrial ion channel and transporter subunit gene-expression remodeling associated with valvular heart disease and atrial fibrillation. *Circulation*, **2005**, 112, 471-81	16.7	188
246	Oxidized Ca(2+)/calmodulin-dependent protein kinase II triggers atrial fibrillation. *Circulation*, **2013**, 128, 1748-57	16.7	186
245	Atrial fibrillation promotion by endurance exercise: demonstration and mechanistic exploration in an animal model. *Journal of the American College of Cardiology*, **2013**, 62, 68-77	15.1	185
244	Transient receptor potential canonical-3 channel-dependent fibroblast regulation in atrial fibrillation. *Circulation*, **2012**, 126, 2051-64	16.7	185
243	MicroRNA29: a mechanistic contributor and potential biomarker in atrial fibrillation. *Circulation*, **2013**, 127, 1466-75, 1475e1-28	16.7	178
242	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. *Circulation*, **2018**, 138, 2227-2242	16.7	174
241	Role of RyR2 phosphorylation at S2814 during heart failure progression. *Circulation Research*, **2012**, 110, 1474-83	15.7	158
240	Comprehensive risk reduction in patients with atrial fibrillation: emerging diagnostic and therapeutic options--a report from the 3rd Atrial Fibrillation Competence NETwork/European Heart Rhythm Association consensus conference. *Europace*, **2012**, 14, 8-27	3.9	156
239	Left-to-right atrial inward rectifier potassium current gradients in patients with paroxysmal versus chronic atrial fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3, 472-80	6.4	154
238	Oxidized CaMKII causes cardiac sinus node dysfunction in mice. *Journal of Clinical Investigation*, **2011**, 121, 3277-88	15.9	154
237	Cellular signaling underlying atrial tachycardia remodeling of L-type calcium current. *Circulation Research*, **2008**, 103, 845-54	15.7	142

236	Remodeling of cardiomyocyte ion channels in human atrial fibrillation. *Basic Research in Cardiology*, **2003**, 98, 137-48	11.8	141
235	Novel molecular targets for atrial fibrillation therapy. *Nature Reviews Drug Discovery*, **2012**, 11, 275-91	64.1	140
234	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. *Heart Rhythm*, **2017**, 14, e3-e40	6.7	138
233	The multidimensional role of calcium in atrial fibrillation pathophysiology: mechanistic insights and therapeutic opportunities. *European Heart Journal*, **2012**, 33, 1870-7	9.5	128
232	Decreased phosphorylation levels of cardiac myosin-binding protein-C in human and experimental heart failure. *Journal of Molecular and Cellular Cardiology*, **2007**, 43, 223-9	5.8	124
231	Role of small-conductance calcium-activated potassium channels in atrial electrophysiology and fibrillation in the dog. *Circulation*, **2014**, 129, 430-40	16.7	123
230	Upregulation of K(2P)3.1 K+ Current Causes Action Potential Shortening in Patients With Chronic Atrial Fibrillation. *Circulation*, **2015**, 132, 82-92	16.7	120
229	Mutation E169K in junctophilin-2 causes atrial fibrillation due to impaired RyR2 stabilization. *Journal of the American College of Cardiology*, **2013**, 62, 2010-9	15.1	120
228	Cardiac CaM Kinase II genes δ and δ contribute to adverse remodeling but redundantly inhibit calcineurin-induced myocardial hypertrophy. *Circulation*, **2014**, 130, 1262-73	16.7	115
227	Ryanodine receptor-mediated calcium leak drives progressive development of an atrial fibrillation substrate in a transgenic mouse model. *Circulation*, **2014**, 129, 1276-1285	16.7	114
226	Mechanisms of atrial tachyarrhythmias associated with coronary artery occlusion in a chronic canine model. *Circulation*, **2011**, 123, 137-46	16.7	113
225	Animal models for atrial fibrillation: clinical insights and scientific opportunities. *Europace*, **2010**, 12, 160-72	3.9	112
224	Inhibition of CaMKII phosphorylation of RyR2 prevents induction of atrial fibrillation in FKBP12.6 knockout mice. *Circulation Research*, **2012**, 110, 465-70	15.7	109
223	The value of basic research insights into atrial fibrillation mechanisms as a guide to therapeutic innovation: a critical analysis. *Cardiovascular Research*, **2016**, 109, 467-79	9.9	108
222	Postoperative atrial fibrillation: mechanisms, manifestations and management. *Nature Reviews Cardiology*, **2019**, 16, 417-436	14.8	106
221	Transverse tubules are a common feature in large mammalian atrial myocytes including human. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H1996-2005	5.2	103
220	Role of RyR2 phosphorylation in heart failure and arrhythmias: Controversies around ryanodine receptor phosphorylation in cardiac disease. *Circulation Research*, **2014**, 114, 1311-9; discussion 1319	15.7	101
219	Personalized management of atrial fibrillation: Proceedings from the fourth Atrial Fibrillation competence NETwork/European Heart Rhythm Association consensus conference. *Europace*, **2013**, 15, 1540-56	3.9	101

218	Intracellular calcium leak due to FKBP12.6 deficiency in mice facilitates the inducibility of atrial fibrillation. *Heart Rhythm*, **2008**, 5, 1047-54	6.7	100
217	Acute atrial tachyarrhythmia induces angiotensin II type 1 receptor-mediated oxidative stress and microvascular flow abnormalities in the ventricles. *European Heart Journal*, **2009**, 30, 1411-20	9.5	99
216	Autoantibodies against the beta1 adrenoceptor from patients with dilated cardiomyopathy prolong action potential duration and enhance contractility in isolated cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2001**, 33, 1515-25	5.8	99
215	Human inward rectifier potassium channels in chronic and postoperative atrial fibrillation. *Cardiovascular Research*, **2002**, 54, 397-404	9.9	94
214	MicroRNA regulation and cardiac calcium signaling: role in cardiac disease and therapeutic potential. *Circulation Research*, **2014**, 114, 689-705	15.7	93
213	Differential phosphorylation-dependent regulation of constitutively active and muscarinic receptor-activated IK,ACh channels in patients with chronic atrial fibrillation. *Cardiovascular Research*, **2007**, 74, 426-37	9.9	91
212	A roadmap to improve the quality of atrial fibrillation management: proceedings from the fifth Atrial Fibrillation Network/European Heart Rhythm Association consensus conference. *Europace*, **2016**, 18, 37-50	3.9	90
211	Electrophysiological and molecular mechanisms of paroxysmal atrial fibrillation. *Nature Reviews Cardiology*, **2016**, 13, 575-90	14.8	89
210	Phosphodiesterase-2 is up-regulated in human failing hearts and blunts β-adrenergic responses in cardiomyocytes. *Journal of the American College of Cardiology*, **2013**, 62, 1596-606	15.1	88
209	Molecular Basis of Atrial Fibrillation Pathophysiology and Therapy: A Translational Perspective. *Circulation Research*, **2020**, 127, 51-72	15.7	87
208	Phosphatase inhibitor-1-deficient mice are protected from catecholamine-induced arrhythmias and myocardial hypertrophy. *Cardiovascular Research*, **2008**, 80, 396-406	9.9	87
207	Calcium handling abnormalities in atrial fibrillation as a target for innovative therapeutics. *Journal of Cardiovascular Pharmacology*, **2008**, 52, 293-9	3.1	86
206	Comparing the global mRNA expression profile of human atrial and ventricular myocardium with high-density oligonucleotide arrays. *Journal of Thoracic and Cardiovascular Surgery*, **2005**, 129, 1383-90	1.5	84
205	Function and regulation of serine/threonine phosphatases in the healthy and diseased heart. *Journal of Molecular and Cellular Cardiology*, **2013**, 64, 90-8	5.8	83
204	Multiple potential molecular contributors to atrial hypocontractility caused by atrial tachycardia remodeling in dogs. *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3, 530-41	6.4	83
203	Vascular large conductance calcium-activated potassium channels: functional role and therapeutic potential. *Naunyn-Schmiedebergls Archives of Pharmacology*, **2007**, 376, 145-55	3.4	82
202	The ryanodine receptor channel as a molecular motif in atrial fibrillation: pathophysiological and therapeutic implications. *Cardiovascular Research*, **2011**, 89, 734-43	9.9	80
201	Loss of microRNA-106b-25 cluster promotes atrial fibrillation by enhancing ryanodine receptor type-2 expression and calcium release. *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 1214-22	6.4	78

200	Defects in ankyrin-based membrane protein targeting pathways underlie atrial fibrillation. *Circulation*, **2011**, 124, 1212-22	16.7	78
199	Distinct contractile and molecular differences between two goat models of atrial dysfunction: AV block-induced atrial dilatation and atrial fibrillation. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 385-94	5.8	78
198	Evidence for Edg-3 receptor-mediated activation of I(K.ACh) by sphingosine-1-phosphate in human atrial cardiomyocytes. *Molecular Pharmacology*, **2000**, 58, 449-54	4.3	78
197	Tachycardia-induced silencing of subcellular Ca2+ signaling in atrial myocytes. *Journal of Clinical Investigation*, **2014**, 124, 4759-72	15.9	77
196	Translational Challenges in Atrial Fibrillation. *Circulation Research*, **2018**, 122, 752-773	15.7	74
195	Remodelling of cardiac repolarization: how homeostatic responses can lead to arrhythmogenesis. *Cardiovascular Research*, **2009**, 81, 491-9	9.9	73
194	Constitutively active phosphatase inhibitor-1 improves cardiac contractility in young mice but is deleterious after catecholaminergic stress and with aging. *Journal of Clinical Investigation*, **2010**, 120, 617-26	15.9	71
193	Differential protein kinase C isoform regulation and increased constitutive activity of acetylcholine-regulated potassium channels in atrial remodeling. *Circulation Research*, **2011**, 109, 1031-43	15.7	69
192	Changes in I K, ACh single-channel activity with atrial tachycardia remodelling in canine atrial cardiomyocytes. *Cardiovascular Research*, **2008**, 77, 35-43	9.9	69
191	Integrating new approaches to atrial fibrillation management: the 6th AFNET/EHRA Consensus Conference. *Europace*, **2018**, 20, 395-407	3.9	66
190	Fibroblast inward-rectifier potassium current upregulation in profibrillatory atrial remodeling. *Circulation Research*, **2015**, 116, 836-45	15.7	64
189	Pharmacological evidence for altered src kinase regulation of I (Ca,L) in patients with chronic atrial fibrillation. *Naunyn-Schmiedebergls Archives of Pharmacology*, **2007**, 375, 383-92	3.4	60
188	EHRA/HRS/APHRS/SOLAECE expert consensus on Atrial cardiomyopathies: Definition, characterisation, and clinical implication. *Journal of Arrhythmia*, **2016**, 32, 247-78	1.5	59
187	Inverse remodelling of K2P3.1 K+ channel expression and action potential duration in left ventricular dysfunction and atrial fibrillation: implications for patient-specific antiarrhythmic drug therapy. *European Heart Journal*, **2017**, 38, 1764-1774	9.5	55
186	The impact of rapid atrial pacing on ADMA and endothelial NOS. *International Journal of Cardiology*, **2012**, 154, 141-6	3.2	55
185	Atrial Fibrillation Activates AMP-Dependent Protein Kinase and its Regulation of Cellular Calcium Handling: Potential Role in Metabolic Adaptation and Prevention of Progression. *Journal of the American College of Cardiology*, **2015**, 66, 47-58	15.1	54
184	NSC23766, a widely used inhibitor of Rac1 activation, additionally acts as a competitive antagonist at muscarinic acetylcholine receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 347, 69-79	4.7	54
183	Role of calcineurin and protein phosphatase-2A in the regulation of phosphatase inhibitor-1 in cardiac myocytes. *Biochemical and Biophysical Research Communications*, **2006**, 346, 700-6	3.4	53

182	Potassium currents in the heart: functional roles in repolarization, arrhythmia and therapeutics. *Journal of Physiology*, **2017**, 595, 2229-2252	3.9	51
181	Controversies About Atrial Fibrillation Mechanisms: Aiming for Order in Chaos and Whether it Matters. *Circulation Research*, **2017**, 120, 1396-1398	15.7	49
180	Impaired local regulation of ryanodine receptor type 2 by protein phosphatase 1 promotes atrial fibrillation. *Cardiovascular Research*, **2014**, 103, 178-87	9.9	49
179	Current controversies in determining the main mechanisms of atrial fibrillation. *Journal of Internal Medicine*, **2016**, 279, 428-38	10.8	49
178	COVID-19 associated atrial fibrillation: Incidence, putative mechanisms and potential clinical implications. *IJC Heart and Vasculature*, **2020**, 30, 100631	2.4	47
177	An update on atrial fibrillation in 2014: From pathophysiology to treatment. *International Journal of Cardiology*, **2016**, 203, 22-9	3.2	45
176	Role of inflammatory signaling in atrial fibrillation. *International Journal of Cardiology*, **2019**, 287, 195-200	3.2	44
175	Ca(2+)-related signaling and protein phosphorylation abnormalities play central roles in a new experimental model of electrical storm. *Circulation*, **2011**, 123, 2192-203	16.7	43
174	Atrial Myocyte NLRP3/CaMKII Nexus Forms a Substrate for Postoperative Atrial Fibrillation. *Circulation Research*, **2020**, 127, 1036-1055	15.7	43
173	Dysfunction in the spectrin-dependent cytoskeleton underlies human arrhythmia. *Circulation*, **2015**, 131, 695-708	16.7	41
172	Palmitoylation and membrane association of the stress axis regulated insert (STREX) controls BK channel regulation by protein kinase C. *Journal of Biological Chemistry*, **2012**, 287, 32161-71	5.4	41
171	Phosphatase-1 inhibitor-1 in physiological and pathological adrenoceptor signalling. *Cardiovascular Research*, **2011**, 91, 392-401	9.9	41
170	Role of autonomic nervous system in atrial fibrillation. *International Journal of Cardiology*, **2019**, 287, 181-188	3.2	41
169	Profibrotic, Electrical, and Calcium-Handling Remodeling of the Atria in Heart Failure Patients With and Without Atrial Fibrillation. *Frontiers in Physiology*, **2018**, 9, 1383	4.6	39
168	Inhibition of IK,ACh current may contribute to clinical efficacy of class I and class III antiarrhythmic drugs in patients with atrial fibrillation. *Naunyn-Schmiedebergls Archives of Pharmacology*, **2010**, 381, 251-9	3.4	38
167	Electrical remodeling in atrial fibrillation. *Herz*, **2006**, 31, 108-12; quiz 142-3	2.6	38
166	The effects of verapamil and diltiazem on N-, P- and Q-type calcium channels mediating dopamine release in rat striatum. *British Journal of Pharmacology*, **1999**, 127, 576-82	8.6	38
165	Detailed characterization of microRNA changes in a canine heart failure model: Relationship to arrhythmogenic structural remodeling. *Journal of Molecular and Cellular Cardiology*, **2014**, 77, 113-24	5.8	36

164	New directions in antiarrhythmic drug therapy for atrial fibrillation. *Future Cardiology*, **2013**, 9, 71-88	1.3	36
163	Calcium dysregulation in atrial fibrillation: the role of CaMKII. *Frontiers in Pharmacology*, **2014**, 5, 30	5.6	35
162	Hot Under the Collar **2016**,		35
161	Decreased ATP-sensitive K(+) current density during chronic human atrial fibrillation. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 1399-405	5.8	34
160	Computational models of atrial cellular electrophysiology and calcium handling, and their role in atrial fibrillation. *Journal of Physiology*, **2016**, 594, 537-53	3.9	34
159	Atrial Ca2+ signaling in atrial fibrillation as an antiarrhythmic drug target. *Naunyn-Schmiedebergls Archives of Pharmacology*, **2010**, 381, 195-206	3.4	33
158	Calcium-mediated cellular triggered activity in atrial fibrillation. *Journal of Physiology*, **2017**, 595, 4001-4008	3.9	32
157	Identification of microRNA-mRNA dysregulations in paroxysmal atrial fibrillation. *International Journal of Cardiology*, **2015**, 184, 190-197	3.2	32
156	Cardiomyocyte calcium handling in health and disease: Insights from in´vitro and in silico studies. *Progress in Biophysics and Molecular Biology*, **2020**, 157, 54-75	4.7	32
155	Alterations in the interactome of serine/threonine protein phosphatase type-1 in atrial fibrillation patients. *Journal of the American College of Cardiology*, **2015**, 65, 163-73	15.1	31
154	Cardiac safety assays. *Current Opinion in Pharmacology*, **2014**, 15, 16-21	5.1	30
153	Impaired Na+-dependent regulation of acetylcholine-activated inward-rectifier K+ current modulates action potential rate dependence in patients with chronic atrial fibrillation. *Journal of Molecular and Cellular Cardiology*, **2013**, 61, 142-52	5.8	30
152	Counteracting Protein Kinase Activity in the Heart: The Multiple Roles of Protein Phosphatases. *Frontiers in Pharmacology*, **2015**, 6, 270	5.6	30
151	Calmodulin kinase II, sarcoplasmic reticulum Ca2+ leak, and atrial fibrillation. *Trends in Cardiovascular Medicine*, **2010**, 20, 30-4	6.9	29
150	Loss of Protein Phosphatase 1 Regulatory Subunit PPP1R3A Promotes Atrial Fibrillation. *Circulation* , **2019**, 140, 681-693	16.7	28
149	JAK-STAT signalling and the atrial fibrillation promoting fibrotic substrate. *Cardiovascular Research*, **2017**, 113, 310-320	9.9	28
148	Amiodarone causes endothelium-dependent vasodilation in human hand veins in vivo. *Clinical Pharmacology and Therapeutics*, **1998**, 64, 302-11	6.1	28
147	Cardiomyocyte Inflammasome Signaling in Cardiomyopathies and Atrial Fibrillation: Mechanisms and Potential Therapeutic Implications. *Frontiers in Physiology*, **2018**, 9, 1115	4.6	28

146	Serine/Threonine Phosphatases in Atrial Fibrillation. *Journal of Molecular and Cellular Cardiology*, **2017**, 103, 110-120	5.8	25
145	Expression and function of Kv1.1 potassium channels in human atria from patients with atrial fibrillation. *Basic Research in Cardiology*, **2015**, 110, 505	11.8	25
144	Regulating the regulator: Insights into the cardiac protein phosphatase 1 interactome. *Journal of Molecular and Cellular Cardiology*, **2016**, 101, 165-172	5.8	25
143	Constitutive activity of the acetylcholine-activated potassium current IK,ACh in cardiomyocytes. *Advances in Pharmacology*, **2014**, 70, 393-409	5.7	25
142	Electrical storm: recent pathophysiological insights and therapeutic consequences. *Basic Research in Cardiology*, **2013**, 108, 336	11.8	24
141	Enhanced myofilament responsiveness upon β-adrenergic stimulation in post-infarct remodeled myocardium. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 487-99	5.8	24
140	Ascorbic acid-induced modulation of venous tone in humans. *Hypertension*, **2001**, 37, 949-54	8.5	24
139	Thrombin receptor PAR4 drives canonical NLRP3 inflammasome signaling in the heart. *Basic Research in Cardiology*, **2020**, 115, 10	11.8	24
138	Atrial-Selective Potassium Channel Blockers. *Cardiac Electrophysiology Clinics*, **2016**, 8, 411-21	1.4	24
137	Identification of optimal reference genes for transcriptomic analyses in normal and diseased human heart. *Cardiovascular Research*, **2018**, 114, 247-258	9.9	23
136	EHRA White Paper: knowledge gaps in arrhythmia management-status 2019. *Europace*, **2019**, 21, 993-994	5.9	23
135	S-glutathiolation impairs phosphoregulation and function of cardiac myosin-binding protein C in human heart failure. *FASEB Journal*, **2016**, 30, 1849-64	0.9	22
134	On-demand mobile health infrastructures to allow comprehensive remote atrial fibrillation and risk factor management through teleconsultation. *Clinical Cardiology*, **2020**, 43, 1232-1239	3.3	21
133	Investigational antiarrhythmic agents: promising drugs in early clinical development. *Expert Opinion on Investigational Drugs*, **2017**, 26, 897-907	5.9	21
132	Calcium handling and atrial fibrillation. *Wiener Medizinische Wochenschrift*, **2012**, 162, 287-91	2.9	21
131	Aldosterone-receptor antagonism as a potential therapeutic option for atrial fibrillation. *British Journal of Pharmacology*, **2010**, 159, 1581-3	8.6	21
130	Differential regulation of protein phosphatase 1 (PP1) isoforms in human heart failure and atrial fibrillation. *Basic Research in Cardiology*, **2017**, 112, 43	11.8	20
129	Mechanisms of beta-adrenergic receptor-mediated venodilation in humans. *Clinical Pharmacology and Therapeutics*, **2004**, 75, 49-59	6.1	20

128	The role of amiodarone in contemporary management of complex cardiac arrhythmias. *Pharmacological Research*, **2020**, 151, 104521	10.2	20
127	Loss of SPEG Inhibitory Phosphorylation of Ryanodine Receptor Type-2 Promotes Atrial Fibrillation. *Circulation*, **2020**, 142, 1159-1172	16.7	20
126	Differences in Left Versus Right Ventricular Electrophysiological Properties in Cardiac Dysfunction and Arrhythmogenesis. *Arrhythmia and Electrophysiology Review*, **2016**, 5, 14-9	3.2	19
125	Antiarrhythmic drugs for atrial fibrillation: Imminent impulses are emerging. *IJC Heart and Vasculature*, **2018**, 21, 11-15	2.4	19
124	Mouse Models of Cardiac Arrhythmias. *Circulation Research*, **2018**, 123, 332-334	15.7	18
123	Pleiotropic effects of antiarrhythmic agents: dronedarone in the treatment of atrial fibrillation. *Clinical Medicine Insights: Cardiology*, **2013**, 7, 127-40	3.2	18
122	Heterogeneity in hand veins responses to acetylcholine is not associated with polymorphisms in the G-protein beta3-subunit (C825T) and endothelial nitric oxide synthase (G894T) genes but with serum low density lipoprotein cholesterol. *Pharmacogenetics and Genomics*, **2001**, 11, 307-16		18
121	Dysfunction of the β-spectrin-based pathway in human heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H1583-91	5.2	17
120	Assessment of Efficacy and Safety of I Inhibitors in Chronic Atrial Fibrillation: Role of Kinetics and State-Dependence of Drug Binding. *Frontiers in Pharmacology*, **2017**, 8, 799	5.6	17
119	T-type calcium current contributes to escape automaticity and governs the occurrence of lethal arrhythmias after atrioventricular block in mice. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 799-808	6.4	17
118	Nucleoside Diphosphate Kinase-C Suppresses cAMP Formation in Human Heart Failure. *Circulation*, **2017**, 135, 881-897	16.7	16
117	Application of the RIMARC algorithm to a large data set of action potentials and clinical parameters for risk prediction of atrial fibrillation. *Medical and Biological Engineering and Computing*, **2015**, 53, 263-73	3.1	16
116	Restriction and functional changes of dopamine release in rat striatum from young adult and old rats. *Mechanisms of Ageing and Development*, **1995**, 80, 107-19	5.6	16
115	Computational modeling: What does it tell us about atrial fibrillation therapy?. *International Journal of Cardiology*, **2019**, 287, 155-161	3.2	15
114	Methods for isolating atrial cells from large mammals and humans. *Journal of Molecular and Cellular Cardiology*, **2015**, 86, 187-98	5.8	15
113	Interference with ERK-dimerization at the nucleocytosolic interface targets pathological ERK1/2 signaling without cardiotoxic side-effects. *Nature Communications*, **2020**, 11, 1733	17.4	15
112	Role of T-type calcium channel subunits in post-myocardial infarction remodelling probed with genetically engineered mice. *Cardiovascular Research*, **2011**, 91, 420-8	9.9	15
111	Local venous response to N-desethylamiodarone in humans. *Clinical Pharmacology and Therapeutics* , **2000**, 67, 22-31	6.1	15

110	The combined effects of ranolazine and dronedarone on human atrial and ventricular electrophysiology. *Journal of Molecular and Cellular Cardiology*, **2016**, 94, 95-106	5.8	15
109	Nightly sleep apnea severity in patients with atrial fibrillation: Potential applications of long-term sleep apnea monitoring. *IJC Heart and Vasculature*, **2019**, 24, 100424	2.4	15
108	Loss of cardiomyocyte integrin-linked kinase produces an arrhythmogenic cardiomyopathy in mice. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 921-32	6.4	14
107	Studying the demographic drivers of an increasing Imperial Eagle population to inform conservation management. *Biodiversity and Conservation*, **2015**, 24, 627-639	3.4	14
106	Voltage-clamp-based methods for the detection of constitutively active acetylcholine-gated I(K,ACh) channels in the diseased heart. *Methods in Enzymology*, **2010**, 484, 653-75	1.7	14
105	Modulation of potassium-evoked [3H]dopamine release from rat striatal slices by voltage-activated calcium channel ligands: effects of omega-conotoxin-MVIIC. *Neurochemical Research*, **1997**, 22, 1085-93	4.6	14
104	Dynamic risk assessment to improve quality of care in patients with atrial fibrillation: the 7th AFNET/EHRA Consensus Conference. *Europace*, **2021**, 23, 329-344	3.9	14
103	Revealing kinetics and state-dependent binding properties of I-targeting drugs that maximize atrial fibrillation selectivity. *Chaos*, **2017**, 27, 093918	3.3	13
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