

Richard L Verrier, Facc, Fhrs

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225
papers

8,842
citations

44
h-index

88
g-index

261
ext. papers

9,650
ext. citations

5.1
avg, IF

5.8
L-index

#	Paper	IF	Citations
225	Ambient pollution and heart rate variability. <i>Circulation</i> , 2000 , 101, 1267-73	16.7	660
224	Neural activity and ventricular fibrillation. <i>New England Journal of Medicine</i> , 1976 , 294, 1165-70	59.2	563
223	Air pollution and incidence of cardiac arrhythmia. <i>Epidemiology</i> , 2000 , 11, 11-7	3.1	512
222	Heart rate variability associated with particulate air pollution. <i>American Heart Journal</i> , 1999 , 138, 890-9	4.9	461
221	Microvolt T-wave alternans physiological basis, methods of measurement, and clinical utility--consensus guideline by International Society for Holter and Noninvasive Electrocardiology. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1309-24	15.1	294
220	Neural and psychologic mechanisms and the problem of sudden cardiac death. <i>American Journal of Cardiology</i> , 1977 , 39, 890-902	3	262
219	Modified moving average analysis of T-wave alternans to predict ventricular fibrillation with high accuracy. <i>Journal of Applied Physiology</i> , 2002 , 92, 541-9	3.7	251
218	Association of air pollution with increased incidence of ventricular tachyarrhythmias recorded by implanted cardioverter defibrillators. <i>Environmental Health Perspectives</i> , 2005 , 113, 670-4	8.4	209
217	Differing mechanisms for ventricular vulnerability during coronary artery occlusion and release. <i>American Heart Journal</i> , 1976 , 92, 223-30	4.9	177
216	Psychological stress and ventricular arrhythmias during myocardial infarction in the conscious dog. <i>American Journal of Cardiology</i> , 1974 , 34, 692-6	3	171
215	Autonomic aspects of arrhythmogenesis: the enduring and the new. <i>Current Opinion in Cardiology</i> , 2004 , 19, 2-11	2.1	154
214	Relationship between sympathetic neural activity, coronary dynamics, and vulnerability to ventricular fibrillation during myocardial ischemia and reperfusion. <i>American Heart Journal</i> , 1983 , 105, 958-65	4.9	138
213	2017 ISHNE-HRS expert consensus statement on ambulatory ECG and external cardiac monitoring/telemetry. <i>Heart Rhythm</i> , 2017 , 14, e55-e96	6.7	136
212	Ambulatory electrocardiogram-based tracking of T wave alternans in postmyocardial infarction patients to assess risk of cardiac arrest or arrhythmic death. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 705-11	2.7	136
211	Vulnerability to ventricular fibrillation during acute coronary arterial occlusion and release. <i>American Journal of Cardiology</i> , 1975 , 36, 776-82	3	133
210	Inhalation of concentrated ambient air particles exacerbates myocardial ischemia in conscious dogs. <i>Environmental Health Perspectives</i> , 2003 , 111, 402-8	8.4	130
209	Electrophysiologic basis for T wave alternans as an index of vulnerability to ventricular fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 1994 , 5, 445-61	2.7	116

208	Effects of acute mental stress and exercise on T-wave alternans in patients with implantable cardioverter defibrillators and controls. <i>Circulation</i> , 2004 , 109, 1864-9	16.7	115
207	T-wave alternans predicts mortality in a population undergoing a clinically indicated exercise test. <i>European Heart Journal</i> , 2007 , 28, 2332-7	9.5	108
206	Air pollution and ST-segment depression in elderly subjects. <i>Environmental Health Perspectives</i> , 2005 , 113, 883-7	8.4	98
205	Ranolazine exerts potent effects on atrial electrical properties and abbreviates atrial fibrillation duration in the intact porcine heart. <i>Journal of Cardiovascular Electrophysiology</i> , 2009 , 20, 796-802	2.7	95
204	Mechanisms of inhaled fine particulate air pollution-induced arterial blood pressure changes. <i>Environmental Health Perspectives</i> , 2009 , 117, 361-6	8.4	92
203	Effect of vagus nerve stimulation upon excitability of the canine ventricle. Role of sympathetic-parasympathetic interactions. <i>American Journal of Cardiology</i> , 1976 , 37, 1041-5	3	88
202	Electrocardiographic changes during exposure to residual oil fly ash (ROFA) particles in a rat model of myocardial infarction. <i>Toxicological Sciences</i> , 2002 , 66, 327-35	4.4	87
201	Progressive increases in complexity of T-wave oscillations herald ischemia-induced ventricular fibrillation. <i>Circulation Research</i> , 2002 , 91, 727-32	15.7	81
200	Basis for sudden cardiac death prediction by T-wave alternans from an integrative physiology perspective. <i>Heart Rhythm</i> , 2009 , 6, 416-22	6.7	76
199	Nonuniform nighttime distribution of acute cardiac events: a possible effect of sleep states. <i>Circulation</i> , 1997 , 96, 3321-7	16.7	74
198	The effects of psychological stress and vagal stimulation with morphine on vulnerability to ventricular fibrillation (VF) in the conscious dog. <i>American Heart Journal</i> , 1978 , 95, 197-203	4.9	67
197	Tracking cardiac electrical instability by computing interlead heterogeneity of T-wave morphology. <i>Journal of Applied Physiology</i> , 2003 , 95, 2265-72	3.7	65
196	Transatrial access to the normal pericardial space: a novel approach for diagnostic sampling, pericardiocentesis, and therapeutic interventions. <i>Circulation</i> , 1998 , 98, 2331-3	16.7	65
195	Protective effect of the vagotonic action of morphine sulphate on ventricular vulnerability. <i>Cardiovascular Research</i> , 1978 , 12, 167-72	9.9	65
194	Angerlike behavioral state potentiates myocardial ischemia-induced T-wave alternans in canines. <i>Journal of the American College of Cardiology</i> , 2001 , 37, 1719-25	15.1	64
193	Antifibrillatory action of the narcotic agonist fentanyl. <i>American Heart Journal</i> , 1988 , 115, 598-605	4.9	64
192	Heart rate, autonomic markers, and cardiac mortality. <i>Heart Rhythm</i> , 2009 , 6, S68-75	6.7	63
191	Vagus nerve stimulation reduces cardiac electrical instability assessed by quantitative T-wave alternans analysis in patients with drug-resistant focal epilepsy. <i>Epilepsia</i> , 2014 , 55, 1996-2002	6.4	57

190	Impact of sleep on arrhythmogenesis. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 450-9	6.4	55
189	Life-threatening cardiovascular consequences of anger in patients with coronary heart disease. <i>Cardiology Clinics</i> , 1996 , 14, 289-307	2.5	53
188	Persistent primary coronary dilation induced by transatrial delivery of nitroglycerin into the pericardial space: a novel approach for local cardiac drug delivery. <i>Journal of the American College of Cardiology</i> , 1999 , 33, 2073-7	15.1	51
187	Enhanced predictive power of quantitative TWA during routine exercise testing in the Finnish Cardiovascular Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2009 , 20, 408-15	2.7	47
186	HCN2/Skm1 gene transfer into canine left bundle branch induces stable, autonomically responsive biological pacing at physiological heart rates. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1192-201	15.1	45
185	Ambulatory ECG-based T-wave alternans monitoring for risk assessment and guiding medical therapy: mechanisms and clinical applications. <i>Progress in Cardiovascular Diseases</i> , 2013 , 56, 172-85	8.5	44
184	Mechanisms of ranolazine [®] dual protection against atrial and ventricular fibrillation. <i>Europace</i> , 2013 , 15, 317-24	3.9	44
183	Relationship between coronary hemodynamic changes and the phasic events of rapid eye movement sleep. <i>Sleep</i> , 1993 , 16, 550-7	1.1	44
182	Differential effects of sleep stage on coronary hemodynamic function during stenosis. <i>Physiology and Behavior</i> , 1989 , 45, 1017-20	3.5	44
181	If inhibition in the atrioventricular node by ivabradine causes rate-dependent slowing of conduction and reduces ventricular rate during atrial fibrillation. <i>Heart Rhythm</i> , 2014 , 11, 2288-96	6.7	43
180	Ca(2+)-stimulated adenylyl cyclase AC1 generates efficient biological pacing as single gene therapy and in combination with HCN2. <i>Circulation</i> , 2012 , 126, 528-36	16.7	43
179	T-wave alternans as a therapeutic marker for antiarrhythmic agents. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 55, 544-54	3.1	42
178	Noninvasive sudden death risk stratification by ambulatory ECG-based T-wave alternans analysis: evidence and methodological guidelines. <i>Annals of Noninvasive Electrocardiology</i> , 2005 , 10, 110-20	1.5	42
177	Low doses of ranolazine and dronedarone in combination exert potent protection against atrial fibrillation and vulnerability to ventricular arrhythmias during acute myocardial ischemia. <i>Heart Rhythm</i> , 2013 , 10, 121-7	6.7	41
176	Antifibrillatory effect of ranolazine during severe coronary stenosis in the intact porcine model. <i>Heart Rhythm</i> , 2011 , 8, 608-14	6.7	41
175	T-wave alternans, air pollution and traffic in high-risk subjects. <i>American Journal of Cardiology</i> , 2009 , 104, 665-70	3	41
174	Autonomic regulation therapy suppresses quantitative T-wave alternans and improves baroreflex sensitivity in patients with heart failure enrolled in the ANTHEM-HF study. <i>Heart Rhythm</i> , 2016 , 13, 721-8	6.7	41
173	Potent antifibrillatory effect of combined blockade of calcium channels and 5-HT ₂ receptors with nexopamil during myocardial ischemia and reperfusion in dogs: comparison to diltiazem. <i>Journal of Cardiovascular Pharmacology</i> , 1996 , 27, 777-87	3.1	40

172	Selective late sodium current blockade with GS-458967 markedly reduces ischemia-induced atrial and ventricular repolarization alternans and ECG heterogeneity. <i>Heart Rhythm</i> , 2014 , 11, 1827-35	6.7	39
171	Combined assessment of heart rate recovery and T-wave alternans during routine exercise testing improves prediction of total and cardiovascular mortality: the Finnish Cardiovascular Study. <i>Heart Rhythm</i> , 2009 , 6, 1765-71	6.7	39
170	Cardiac effects of carbon monoxide and ambient particles in a rat model of myocardial infarction. <i>Toxicological Sciences</i> , 2004 , 80, 367-76	4.4	38
169	Concentrated ambient particles alter myocardial blood flow during acute ischemia in conscious canines. <i>Environmental Health Perspectives</i> , 2009 , 117, 333-7	8.4	37
168	Effect of nitroglycerin on vulnerability to ventricular fibrillation during myocardial ischemia and reperfusion. <i>American Journal of Cardiology</i> , 1979 , 43, 233-8	3	37
167	The Epileptic Heart: Concept and clinical evidence. <i>Epilepsy and Behavior</i> , 2020 , 105, 106946	3.2	36
166	Effect of ranolazine on ventricular vulnerability and defibrillation threshold in the intact porcine heart. <i>Journal of Cardiovascular Electrophysiology</i> , 2008 , 19, 1073-9	2.7	36
165	2017 ISHNE-HRS expert consensus statement on ambulatory ECG and external cardiac monitoring/telemetry. <i>Annals of Noninvasive Electrocardiology</i> , 2017 , 22, e12447	1.5	35
164	Prediction of sudden cardiac death with automated high-throughput analysis of heterogeneity in standard resting 12-lead electrocardiograms. <i>Heart Rhythm</i> , 2016 , 13, 713-20	6.7	35
163	High prevalence of cardiac autonomic dysfunction and T-wave alternans in dialysis patients. <i>Heart Rhythm</i> , 2011 , 8, 592-8	6.7	35
162	Baseline elevation and reduction in cardiac electrical instability assessed by quantitative T-wave alternans in patients with drug-resistant epilepsy treated with vagus nerve stimulation in the AspireSR E-36 trial. <i>Epilepsy and Behavior</i> , 2016 , 62, 85-9	3.2	34
161	Crescendo in depolarization and repolarization heterogeneity heralds development of ventricular tachycardia in hospitalized patients with decompensated heart failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 84-90	6.4	32
160	Influence of intracoronary platelet aggregation on ventricular electrical properties during partial coronary artery stenosis. <i>American Journal of Cardiology</i> , 1983 , 51, 596-602	3	32
159	Effect of hypokalemia on susceptibility to ventricular fibrillation in the normal and ischemic canine heart. <i>American Heart Journal</i> , 1986 , 112, 32-5	4.9	32
158	Sympathetic activity as the cause of the morning increase in cardiac events. A likely culprit, but the evidence remains circumstantial. <i>Circulation</i> , 1995 , 91, 2508-9	16.7	32
157	Air pollution: an insidious and pervasive component of cardiac risk. <i>Circulation</i> , 2002 , 106, 890-2	16.7	31
156	Preclinical safety testing of percutaneous transatrial access to the normal pericardial space for local cardiac drug delivery and diagnostic sampling. <i>Catheterization and Cardiovascular Interventions</i> , 2000 , 49, 472-7	2.7	31
155	Triggering of sudden death--lessons from an earthquake. <i>New England Journal of Medicine</i> , 1996 , 334, 460-1	59.2	30

154	Cardiac performance in experimental adrenal insufficiency in cats. <i>Circulation Research</i> , 1968 , 22, 817-27	15.7	30
153	Role of corticosteroids in the treatment of circulatory collapse states. <i>Clinical Pharmacology and Therapeutics</i> , 1970 , 11, 630-55	6.1	29
152	Prevalence of Microvolt T-Wave Alternans in Patients With Long QT Syndrome and Its Association With Torsade de Pointes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9, e003206	6.4	28
151	Time-domain T-wave alternans is strongly associated with a history of ventricular fibrillation in patients with Brugada syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , 2014 , 25, 1021-1027	2.7	28
150	Importance of regional specificity of T-wave alternans in assessing risk for cardiovascular mortality and sudden cardiac death during routine exercise testing. <i>Heart Rhythm</i> , 2011 , 8, 385-90	6.7	28
149	Potent antifibrillatory effects of intrapericardial nitroglycerin in the ischemic porcine heart. <i>Journal of the American College of Cardiology</i> , 2003 , 41, 1831-7	15.1	28
148	T-wave alternans: does size matter. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 625-8	2.7	28
147	Acute blood pressure elevation and ventricular fibrillation threshold during coronary occlusion and reperfusion in the dog. <i>American Journal of Cardiology</i> , 1977 , 39, 523-8	3	28
146	Usefulness of T-wave alternans in sudden death risk stratification and guiding medical therapy. <i>Annals of Noninvasive Electrocardiology</i> , 2010 , 15, 276-88	1.5	27
145	Intrapericardial beta-adrenergic blockade with esmolol exerts a potent antitachycardic effect without depressing contractility. <i>Journal of Cardiovascular Pharmacology</i> , 2000 , 36, 722-7	3.1	27
144	Biological pacemakers in canines exhibit positive chronotropic response to emotional arousal. <i>Heart Rhythm</i> , 2010 , 7, 1835-40	6.7	25
143	Increased release of brain serotonin reduces vulnerability to ventricular fibrillation in the cat. <i>Journal of Cardiovascular Pharmacology</i> , 1987 , 10, 389-97	3.1	25
142	Combined actions of ivabradine and ranolazine reduce ventricular rate during atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2015 , 26, 329-35	2.7	24
141	Selective late INa inhibition by GS-458967 exerts parallel suppression of catecholamine-induced hemodynamically significant ventricular tachycardia and T-wave alternans in an intact porcine model. <i>Heart Rhythm</i> , 2015 , 12, 2508-14	6.7	23
140	Screening entire health system ECG databases to identify patients at increased risk of death. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 1156-62	6.4	23
139	Intrapericardial ranolazine prolongs atrial refractory period and markedly reduces atrial fibrillation inducibility in the intact porcine heart. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 55, 286-91	3.1	23
138	Eleclazine, a new selective cardiac late sodium current inhibitor, confers concurrent protection against autonomically induced atrial premature beats, repolarization alternans and heterogeneity, and atrial fibrillation in an intact porcine model. <i>Heart Rhythm</i> , 2016 , 13, 1679-86	6.7	22
137	The role of the autonomic nervous system in cardiac arrhythmias. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 117, 135-45	3	22

136	Acute Autonomic Engagement Assessed by Heart Rate Dynamics During Vagus Nerve Stimulation in Patients With Heart Failure in the ANTHEM-HF Trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2016 , 27, 1072-7	2.7	22
135	Unmasking atrial repolarization to assess alternans, spatiotemporal heterogeneity, and susceptibility to atrial fibrillation. <i>Heart Rhythm</i> , 2016 , 13, 953-61	6.7	22
134	Tracking interlead heterogeneity of R- and T-wave morphology to disclose latent risk for sudden cardiac death. <i>Heart Rhythm</i> , 2017 , 14, 1466-1475	6.7	21
133	The Selective Cardiac Late Sodium Current Inhibitor GS-458967 Suppresses Autonomically Triggered Atrial Fibrillation in an Intact Porcine Model. <i>Journal of Cardiovascular Electrophysiology</i> , 2015 , 26, 1364-9	2.7	21
132	Continuous T-wave alternans monitoring to predict impending life-threatening cardiac arrhythmias during emergent coronary reperfusion therapy in patients with acute coronary syndrome. <i>Europace</i> , 2011 , 13, 708-15	3.9	21
131	Frequency Response Characteristics Required for Detection of T-Wave Alternans During Ambulatory ECG Monitoring. <i>Annals of Noninvasive Electrocardiology</i> , 1996 , 1, 103-112	1.5	21
130	Inhibition of the cardiac late sodium current with eleclazine protects against ischemia-induced vulnerability to atrial fibrillation and reduces atrial and ventricular repolarization abnormalities in the absence and presence of concurrent adrenergic stimulation. <i>Heart Rhythm</i> , 2016 , 13, 1860-7	6.7	20
129	Frayed nerves in myocardial infarction: the importance of rewiring. <i>Circulation Research</i> , 2004 , 95, 5-6	15.7	20
128	Intrinsic sympathomimetic activity and the effects of beta-adrenergic blocking drugs on vulnerability to ventricular fibrillation. <i>Journal of the American College of Cardiology</i> , 1983 , 1, 1442-6	15.1	20
127	Effect of alpha-adrenergic receptor stimulation on ventricular electrical properties in the normal canine heart. <i>American Heart Journal</i> , 1983 , 105, 366-71	4.9	19
126	Vagal modulation of epicardial coronary artery size in dogs. A two-dimensional intravascular ultrasound study. <i>Circulation</i> , 1995 , 92, 2291-8	16.7	19
125	Elevated T-wave alternans predicts nonsustained ventricular tachycardia in association with percutaneous coronary intervention in ST-segment elevation myocardial infarction (STEMI) patients. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 658-63	2.7	18
124	T-Wave Alternans During Ambulatory Ischemia in Patients with Stable Coronary Disease. <i>Annals of Noninvasive Electrocardiology</i> , 1996 , 1, 113-120	1.5	18
123	Cardiac electrical instability in newly diagnosed/chronic epilepsy tracked by Holter and ECG patch. <i>Neurology</i> , 2019 , 93, 450-458	6.5	17
122	Eleclazine, an inhibitor of the cardiac late sodium current, is superior to flecainide in suppressing catecholamine-induced ventricular tachycardia and T-wave alternans in an intact porcine model. <i>Heart Rhythm</i> , 2017 , 14, 448-454	6.7	17
121	The repetitive extrasystole as an index of vulnerability to ventricular fibrillation during myocardial ischemia in the canine heart. <i>American Heart Journal</i> , 1983 , 106, 1321-5	4.9	17
120	Inhibition of I(f) in the atrioventricular node as a mechanism for dronedarone® reduction in ventricular rate during atrial fibrillation. <i>Heart Rhythm</i> , 2013 , 10, 1692-7	6.7	16
119	Interlead heterogeneity of R- and T-wave morphology in standard 12-lead ECGs predicts sustained ventricular tachycardia/fibrillation and arrhythmic death in patients with cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 1324-1333	2.7	16

118	Relation of T-wave alternans to mortality and nonsustained ventricular tachycardia in patients with non-ST-segment elevation acute coronary syndrome from the MERLIN-TIMI 36 trial of ranolazine versus placebo. <i>American Journal of Cardiology</i> , 2014 , 114, 17-23	3	16
117	Sleep and cardiac arrhythmias. <i>Annals of the New York Academy of Sciences</i> , 1988 , 533, 238-51	6.5	16
116	Electrophysiology of T-wave alternans: mechanisms and pharmacologic influences. <i>Journal of Electrocardiology</i> , 2013 , 46, 580-4	1.4	15
115	Ambulatory ECG monitoring of T-wave alternans for arrhythmia risk assessment. <i>Journal of Electrocardiology</i> , 2003 , 36 Suppl, 193-7	1.4	15
114	Influence of the autonomic nervous system on coronary blood flow during partial stenosis. <i>American Heart Journal</i> , 1982 , 104, 249-53	4.9	15
113	Vagus Nerve Stimulation Provides Multiyear Improvements in Autonomic Function and Cardiac Electrical Stability in the ANTHEM-HF Study. <i>Journal of Cardiac Failure</i> , 2021 , 27, 208-216	3.3	15
112	Dronedarone® inhibition of I _f current is the primary mechanism responsible for its bradycardic effect. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 914-8	2.7	14
111	Ranolazine injection into coronary or femoral arteries exerts marked, transient regional vasodilation without systemic hypotension in an intact porcine model. <i>Circulation: Cardiovascular Interventions</i> , 2011 , 4, 481-7	6	14
110	Myocardial drug distribution pattern following intrapericardial delivery: an MRI analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002 , 4, 311-6	6.9	14
109	Is the T-T interval as a measure of repolarization heterogeneity dead or just seriously wounded?. <i>Heart Rhythm</i> , 2019 , 16, 952-953	6.7	14
108	Prognostic capacity of a clinically indicated exercise test for cardiovascular mortality is enhanced by combined analysis of exercise capacity, heart rate recovery and T-wave alternans. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 1162-70	3.9	13
107	Effects of exercise rehabilitation on cardiac electrical instability assessed by T-wave alternans during ambulatory electrocardiogram monitoring in coronary artery disease patients without and with diabetes mellitus. <i>American Journal of Cardiology</i> , 2014 , 114, 832-7	3	13
106	Transient cardiorespiratory events during NREM sleep: a feline model for human microarousals. <i>Journal of Sleep Research</i> , 2000 , 9, 185-91	5.8	13
105	Delayed myocardial ischemia following the cessation of sympathetic stimulation. <i>American Heart Journal</i> , 1988 , 115, 45-53	4.9	13
104	Influence of beta 2-adrenoceptor stimulation and blockade on cardiac electrophysiologic properties and serum potassium concentration in the anesthetized dog. <i>American Heart Journal</i> , 1987 , 113, 1066-70	4.9	12
103	Repolarization Heterogeneity Measured With T-Wave Area Dispersion in Standard 12-Lead ECG Predicts Sudden Cardiac Death in General Population. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e005762	6.4	11
102	Atrioventricular conduction and cardiovascular mortality: assessment of recovery PR interval is superior to pre-exercise measurement. <i>Heart Rhythm</i> , 2010 , 7, 796-801	6.7	11
101	Long-term pericardial catheterization is associated with minimum foreign-body response. <i>Catheterization and Cardiovascular Interventions</i> , 2007 , 70, 221-7	2.7	11

100	Suppression of calcium-induced repolarization heterogeneity as a mechanism of nitroglycerin's antiarrhythmic action. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 48, 22-9	3.1	11
99	Vulnerability to ventricular fibrillation in patients with clinically manifest ventricular tachycardia. <i>American Heart Journal</i> , 1984 , 108, 884-9	4.9	11
98	Prevention of ventricular fibrillation by use of low-intensity electrical stimuli. <i>Annals of the New York Academy of Sciences</i> , 1982 , 382, 355-70	6.5	11
97	Quantitative T-wave alternans analysis for guiding medical therapy: an underexploited opportunity. <i>Trends in Cardiovascular Medicine</i> , 2015 , 25, 201-13	6.9	10
96	Microvolt T-wave alternans testing has a role in arrhythmia risk stratification. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1572-3	15.1	10
95	Prognostic implications of quantitative ST-segment characteristics and T-wave amplitude for cardiovascular mortality in a general population from the Health 2000 Survey. <i>Annals of Medicine</i> , 2010 , 42, 502-11	1.5	10
94	The impact of emotions on the heart. <i>Progress in Brain Research</i> , 2000 , 122, 369-80	2.9	10
93	Epileptic heart: A clinical syndromic approach. <i>Epilepsia</i> , 2021 , 62, 1780-1789	6.4	10
92	Screening for Cardiac Magnetic Resonance Scar Features by 12-Lead ECG, in Patients with Preserved Ejection Fraction. <i>Annals of Noninvasive Electrocardiology</i> , 2016 , 21, 49-59	1.5	10
91	Accelerated conversion of atrial fibrillation to normal sinus rhythm by pulmonary delivery of flecainide acetate in a porcine model. <i>Heart Rhythm</i> , 2018 , 15, 1882-1888	6.7	9
90	Exercise stress testing for T wave alternans to expose latent electrical instability. <i>Journal of Cardiovascular Electrophysiology</i> , 1997 , 8, 994-7	2.7	9
89	Technique for implantation of chronic indwelling aortic access catheters. <i>Journal of Investigative Surgery</i> , 2006 , 19, 397-405	1.2	9
88	Extra-adrenergic mechanisms responsible for the effects of glucose-insulin-potassium solution on vulnerability to ventricular fibrillation. <i>American Journal of Cardiology</i> , 1981 , 47, 251-7	3	9
87	Effects of sulfinpyrazone on ventricular vulnerability in the normal and the ischemic heart. <i>American Journal of Cardiology</i> , 1982 , 50, 271-5	3	9
86	Quantitative evaluation of heartbeat interval time series using Poincaré analysis reveals distinct patterns of heart rate dynamics during cycles of vagus nerve stimulation in patients with heart failure. <i>Journal of Electrocardiology</i> , 2017 , 50, 898-903	1.4	8
85	Multilead template-derived residuals of surface ECGs for quantitative assessment of arrhythmia risk. <i>Annals of Noninvasive Electrocardiology</i> , 2015 , 20, 273-81	1.5	8
84	Experimental studies of psychophysiological factors in sudden cardiac death. <i>Acta Medica Scandinavica</i> , 1982 , 660, 57-68		8
83	Protective effect of verapamil on ventricular vulnerability during coronary artery occlusion and reperfusion. <i>American Journal of Cardiology</i> , 1978 , 41, 426	3	8

82	Cardiovascular Physiology: Central and Autonomic Regulation 2005 , 192-202		8
81	Treatment options for patients with coronary artery disease identified as high risk by T-wave alternans testing. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2008 , 10, 39-48	2.1	7
80	Optimizing flecainide plasma concentration profile for atrial fibrillation conversion while minimizing adverse ventricular effects by rapid, low-dose intratracheal or intravenous administration. <i>International Journal of Cardiology</i> , 2019 , 274, 170-174	3.2	7
79	Pulmonary Delivery of Antiarrhythmic Drugs for Rapid Conversion of New-Onset Atrial Fibrillation. <i>Journal of Cardiovascular Pharmacology</i> , 2020 , 75, 276-283	3.1	6
78	Ranolazine reduces repolarization heterogeneity in symptomatic patients with diabetes and non-flow-limiting coronary artery stenosis. <i>Annals of Noninvasive Electrocardiology</i> , 2018 , 23,	1.5	6
77	T-Wave Alternans, Heart Rate Turbulence, and Ventricular Ectopy in Standard versus Daily Hemodialysis: Results from the FHN Daily Trial. <i>Annals of Noninvasive Electrocardiology</i> , 2016 , 21, 566-571	1.5	6
76	Pulmonary delivery of flecainide causes a rate-dependent predominant effect on atrial compared with ventricular depolarization duration revealed by intracardiac recordings in an intact porcine model. <i>Journal of Cardiovascular Electrophysiology</i> , 2018 , 29, 1563-1569	2.7	6
75	Clinical applications of T-wave alternans assessed during exercise stress testing and ambulatory ECG monitoring. <i>Journal of Electrocardiology</i> , 2013 , 46, 585-90	1.4	6
74	Exercise-induced quantitative microvolt T-wave alternans in hypertrophic cardiomyopathy. <i>Journal of Electrocardiology</i> , 2017 , 50, 184-190	1.4	6
73	In-hospital monitoring of T-wave alternans in a case of amiodarone-induced torsade de pointes: clinical and methodologic insights. <i>Europace</i> , 2012 , 14, 1372-4	3.9	6
72	Impaired exercise capacity predicts sudden cardiac death in a low-risk population: enhanced specificity with heightened T-wave alternans. <i>Annals of Medicine</i> , 2009 , 41, 380-9	1.5	6
71	The enigmatic cardiac fat pads: critical but underappreciated neural regulatory sites. <i>Journal of Cardiovascular Electrophysiology</i> , 2002 , 13, 902-3	2.7	6
70	Analysis of complex T-wave oscillations for prediction of ventricular fibrillation. <i>Journal of Electrocardiology</i> , 2003 , 36 Suppl, 199-203	1.4	6
69	Opioids in Pain and Cardiovascular Responses: Overview of Common Features. <i>Journal of Cardiovascular Electrophysiology</i> , 1991 , 2, s34-s42	2.7	6
68	Myocardial perfusion and neurally induced cardiac arrhythmias. <i>Annals of the New York Academy of Sciences</i> , 1984 , 427, 171-86	6.5	6
67	Protective effect of tiapamil against ventricular fibrillation during coronary artery occlusion. <i>American Heart Journal</i> , 1986 , 111, 878-82	4.9	6
66	The effects of nitroglycerin on intracoronary platelet aggregation and ventricular vulnerability during partial coronary stenosis. <i>American Journal of Cardiology</i> , 1981 , 47, 489	3	6
65	Precordial mechanical stimulation for exposing electrical instability in the ischemic heart. <i>American Journal of Cardiology</i> , 1978 , 42, 425-8	3	6

64	Comparative Pharmacokinetic and Electrocardiographic Effects of Intratracheal and Intravenous Administration of Flecainide in Anesthetized Pigs. <i>Journal of Cardiovascular Pharmacology</i> , 2018 , 72, 129-135	3.1	6
63	Significance of T-wave inversion triggered by spontaneous atrial premature beats in patients with long QT syndrome. <i>Heart Rhythm</i> , 2018 , 15, 860-869	6.7	5
62	Marked exercise-induced T-wave heterogeneity in symptomatic diabetic patients with nonflow-limiting coronary artery stenosis. <i>Annals of Noninvasive Electrocardiology</i> , 2018 , 23, e12503	1.5	5
61	Quantitative T-wave alternans analysis for sudden cardiac death risk assessment and guiding therapy: answered and unanswered questions: For: Proceedings of ICE2015 Comandatuba, Brazil, Sudden Death Symposium. <i>Journal of Electrocardiology</i> , 2016 , 49, 429-38	1.4	5
60	Exercise and pharmacologic stress-induced interlead T-wave heterogeneity analysis to detect clinically significant coronary artery stenosis. <i>International Journal of Cardiology</i> , 2020 , 298, 32-38	3.2	5
59	Spectrum of clinical applications of interlead ECG heterogeneity assessment: From myocardial ischemia detection to sudden cardiac death risk stratification. <i>Annals of Noninvasive Electrocardiology</i> , 2021 , 26, e12894	1.5	5
58	Importance of over-reading ambulatory ECG-based microvolt T-wave alternans to eliminate three main sources of measurement error. <i>Annals of Noninvasive Electrocardiology</i> , 2019 , 24, e12670	1.5	4
57	Monitoring risk for sudden cardiac death: is there a role for EKG patches?. <i>Current Opinion in Biomedical Engineering</i> , 2019 , 11, 117-123	4.4	4
56	Beta3-adrenoceptor: friend or foe?. <i>Heart Rhythm</i> , 2005 , 2, 1356-8	6.7	4
55	Transatrial access to the normal pericardial space for local cardiac therapy: preclinical safety testing with aspirin and pulmonary artery hypertension. <i>Journal of Interventional Cardiology</i> , 2001 , 14, 493-8	1.8	4
54	Abolition of clonidine effects on ventricular refractoriness by naloxone in the conscious dog. <i>Life Sciences</i> , 1989 , 45, 413-20	6.8	4
53	Coronary distending pressure and delayed myocardial ischemia. <i>American Heart Journal</i> , 1988 , 116, 59-66.9	6.9	4
52	Novel method to assess intrinsic heart rate recovery in ambulatory ECG recordings tracks cardioprotective effects of chronic autonomic regulation therapy in patients enrolled in the ANTHEM-HF study. <i>Annals of Noninvasive Electrocardiology</i> , 2017 , 22, e12436	1.5	3
51	To the Editor- Our doubts about the usefulness of the Tpeak-Tend interval. <i>Heart Rhythm</i> , 2019 , 16, e496.7	6.7	3
50	Effect of beta-blockade on quantitative microvolt T-wave alternans in 24-hour continuous 12-lead ECG recordings in patients with long QT syndrome. <i>Annals of Noninvasive Electrocardiology</i> , 2019 , 24, e12640	1.5	3
49	Preimplantation interlead ECG heterogeneity is superior to QRS complex duration in predicting mechanical super-response in patients with non-left bundle branch block receiving cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2020 , 17, 1887-1896	6.7	3
48	Regadenoson-induced T-wave heterogeneity complements coronary stenosis detection by myocardial perfusion imaging in men and women. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1341-1349	4.1	3
47	QRST-wave alternans in a child with type 3 long-QT syndrome: an ominous ECG pattern appearing during transition from T-wave alternans to polymorphic VT. <i>Journal of Cardiovascular Electrophysiology</i> , 2014 , 25, 657-8	2.7	3

46	T-wave alternans, QRST-wave alternans and atrioventricular block: three consecutive rate-dependent phenomena in a child with congenital long-QT syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 1183-4	2.7	3
45	Cardiovascular Physiology: Central and Autonomic Regulation 2011 , 215-225		3
44	Stress-Specific Influences of Opioids on Cardiac Electrical Stability. <i>Journal of Cardiovascular Electrophysiology</i> , 1991 , 2, s124-s129	2.7	3
43	Sleep-Related Cardiac Risk 2005 , 1161-1170		3
42	Cardiac Arrhythmogenesis during Sleep: Mechanisms, Diagnosis, and Therapy 2005 , 1171-1179		3
41	Multimodal mechanisms and enhanced efficiency of atrial fibrillation cardioversion by pulmonary delivery of a novel flecainide formulation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 205-213 ^{2.7}	2.7	3
40	T-wave heterogeneity in standard resting 12-lead ECGs is associated with 90-day cardiac mortality in women following emergency department admission: A nested case-control study. <i>Annals of Noninvasive Electrocardiology</i> , 2021 , 26, e12826	1.5	3
39	Flecainide-induced QRS complex widening correlates with negative inotropy. <i>Heart Rhythm</i> , 2021 , 18, 1416-1422	6.7	3
38	Sudden paradoxical QT-interval prolongation exacerbating T-wave alternans in a patient with type 3 long QT syndrome. <i>Annals of Noninvasive Electrocardiology</i> , 2015 , 20, 290-1	1.5	2
37	The Selective Late Sodium Current Inhibitor Eleclazine, Unlike Amiodarone, Does Not Alter Defibrillation Threshold or Dominant Frequency of Ventricular Fibrillation. <i>Journal of Cardiovascular Pharmacology</i> , 2017 , 69, 178-182	3.1	2
36	Sleep Related Cardiovascular Risk. <i>Annals of Noninvasive Electrocardiology</i> , 1997 , 2, 158-175	1.5	2
35	Research Opportunities in Autonomic Neural Mechanisms of Cardiopulmonary Regulation: A Report From the National Heart, Lung, and Blood Institute and the National Institutes of Health Office of the Director Workshop.. <i>JACC Basic To Translational Science</i> , 2022 , 7, 265-293	8.7	2
34	Sleep-Related Cardiac Risk 2011 , 1353-1362		2
33	Chronic vagus nerve stimulation is associated with multi-year improvement in intrinsic heart rate recovery and left ventricular ejection fraction in ANTHEM-HF. <i>Clinical Autonomic Research</i> , 2021 , 31, 453-462	4.2	2
32	Antiarrhythmic drug effects on microvolt T-wave alternans: measurement nuisance or indicator of therapeutic action?. <i>Journal of Cardiovascular Electrophysiology</i> , 2010 , 21, E79	2.7	1
31	Macroscopic T-wave alternans: the tip of the iceberg in drug-induced torsade de pointes?. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 241; author reply 241-2	15.1	1
30	Pattern of crescendo TWA may disclose the underlying cardiac pathology. <i>Journal of Electrocardiology</i> , 2010 , 43, 449-51	1.4	1
29	Physiology of Electrical Alternans. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1997 , 1, 381-386		1

28	The atrial neural network: Ablation minefield or strategic target?. <i>Heart Rhythm</i> , 2007 , 4, 64-5	6.7	1
27	Dynamic Repolarization Changes and Arrhythmia Risk Assessment in Nonischemic Heart Disease	454-462	1
26	Speckle tracking strain and ECG heterogeneity correlate in transcatheter aortic valve replacement-induced left bundle branch blocks and right ventricular paced rhythms. <i>Open Heart</i> , 2021 , 8,	3	1
25	Pulmonary Delivery of Metoprolol Reduces Ventricular Rate During Atrial Fibrillation and Accelerates Conversion to Sinus Rhythm. <i>Journal of Cardiovascular Pharmacology</i> , 2020 , 75, 135-140	3.1	1
24	Commentary: Sudden Cardiac Risk Stratification with Electrocardiographic Indices - A Review on Computational Processing, Technology Transfer, and Scientific Evidence. <i>Frontiers in Physiology</i> , 2016 , 7, 267	4.6	1
23	Positive Psychotherapy Improves Cardiac Electrical Stability and Mood in ICD Patients: PAM-ICD Trial Results. <i>Psychosomatic Medicine</i> , 2021 , 83, 300-301	3.7	1
22	T-wave heterogeneity crescendo in the surface EKG is superior to heart rate acceleration for seizure prediction.. <i>Epilepsy and Behavior</i> , 2022 , 130, 108670	3.2	1
21	Relationship between T-wave alternans magnitude and T-wave amplitude before the onset of ventricular tachyarrhythmias during emergent reperfusion in acute coronary syndrome patients. <i>Europace</i> , 2011 , 13, 1511-2; author reply 1512; discussion 1512-3	3.9	0
20	Optimizing ambulatory ECG monitoring of T-wave alternans for arrhythmia risk assessment. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2002 , 6, 329-33		0
19	Modified Moving Average T-wave alternans cutpoints. <i>Indian Pacing and Electrophysiology Journal</i> , 2021 , 21, 139	1.5	0
18	Multifactorial Benefits of Chronic Vagus Nerve Stimulation on Autonomic Function and Cardiac Electrical Stability in Heart Failure Patients With Reduced Ejection Fraction.. <i>Frontiers in Physiology</i> , 2022 , 13, 855756	4.6	0
17	Response to the Letter to the Editor. <i>Annals of Noninvasive Electrocardiology</i> , 2019 , 24, e12720	1.5	
16	Letter to the Editor--Can reducing quantitative T-wave alternans save lives?. <i>Heart Rhythm</i> , 2016 , 13, e89	6.7	
15	Ranolazine@ sweet side--improvement of glycaemic control by the novel mechanism of skeletal muscle microvascular recruitment. <i>Journal of Physiology</i> , 2013 , 591, 4961	3.9	
14	To the editor--Biological pacemakers exhibit positive chronotropic response to emotional arousal. <i>Heart Rhythm</i> , 2012 , 9, e30	6.7	
13	Sleep-Related Cardiac Disorders 2012 , 585-594		
12	Is there a role of MMA T wave alternans test for risk assessment in Brugada syndrome?. <i>Anatolian Journal of Cardiology</i> , 2014 , 14, 96		
11	Mechanisms mediating adverse effects of air pollution on cardiovascular hemodynamic function and vulnerability to cardiac arrhythmias. <i>Air Quality, Atmosphere and Health</i> , 2011 , 4, 53-63	5.6	

- 10 Re: Time-domain T-wave alternans measured from Holter electrocardiograms predicts cardiac mortality in patients with left ventricular dysfunction: a prospective study. *Heart Rhythm*, **2009**, 6, e1; author reply e1 6.7
- 9 Computer-aided visualization of microvolt T-wave alternans: "seeing is believing". *Journal of Cardiovascular Electrophysiology*, **2008**, 19, E51-2 2.7
- 8 Cardiac Arrhythmias and Sudden Death during Sleep **2005**, 727-732
- 7 Autonomic Nervous System: Emerging Concepts and Clinical Applications 62-73
- 6 Neural Regulation of the Heart in Health and Disease **2008**, 52-64
- 5 Microvolt T-Wave Alternans: Pathophysiology and Clinical Aspects **2020**, 313-331
- 4 Response to Letter to the Editor by Drs. Fialho and colleagues. *Epilepsy and Behavior*, **2020**, 108, 107040_{3,2}
- 3 Cardiac Arrhythmogenesis during Sleep **2011**, 1363-1369
- 2 Neural Regulation of the Heart in Health and Disease **2013**, 73-92
- 1 Sex-based differences in T-wave alternans **2020**, 141-152