

# Paul A Friedman, Fhrs

## List of Publications by Citations

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224  
papers

5,466  
citations

36  
h-index

68  
g-index

265  
ext. papers

7,742  
ext. citations

5.6  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
224	Management and outcome of permanent pacemaker and implantable cardioverter-defibrillator infections. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 1851-9	15.1	501
223	An artificial intelligence-enabled ECG algorithm for the identification of patients with atrial fibrillation during sinus rhythm: a retrospective analysis of outcome prediction. <i>Lancet, The</i> , <b>2019</b> , 394, 861-867	40	360
222	Screening for cardiac contractile dysfunction using an artificial intelligence-enabled electrocardiogram. <i>Nature Medicine</i> , <b>2019</b> , 25, 70-74	50.5	314
221	Percutaneous Implantation of an Entirely Intracardiac Leadless Pacemaker. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 1125-35	59.2	293
220	Urgent Guidance for Navigating and Circumventing the QTc-Prolonging and Torsadogenic Potential of Possible Pharmacotherapies for Coronavirus Disease 19 (COVID-19). <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 1213-1221	6.4	263
219	Risk factor analysis of permanent pacemaker infection. <i>Clinical Infectious Diseases</i> , <b>2007</b> , 45, 166-73	11.6	221
218	Temporal trends in permanent pacemaker implantation: a population-based study. <i>American Heart Journal</i> , <b>2008</b> , 155, 896-903	4.9	136
217	Global right atrial mapping of human atrial flutter: the presence of posteromedial (sinus venosa region) functional block and double potentials : a study in biplane fluoroscopy and intracardiac echocardiography. <i>Circulation</i> , <b>2000</b> , 101, 1568-77	16.7	119
216	Impact of timing of device removal on mortality in patients with cardiovascular implantable electronic device infections. <i>Heart Rhythm</i> , <b>2011</b> , 8, 1678-85	6.7	114
215	Cardiac Pacemakers: Function, Troubleshooting, and Management: Part 1 of a 2-Part Series. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 189-210	15.1	109
214	Development and Validation of a Deep-Learning Model to Screen for Hyperkalemia From the Electrocardiogram. <i>JAMA Cardiology</i> , <b>2019</b> , 4, 428-436	16.2	100
213	Age and Sex Estimation Using Artificial Intelligence From Standard 12-Lead ECGs. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2019</b> , 12, e007284	6.4	84
212	Frequency of permanent pacemaker or implantable cardioverter-defibrillator infection in patients with gram-negative bacteremia. <i>Clinical Infectious Diseases</i> , <b>2006</b> , 43, 731-6	11.6	79
211	Stroke or transient ischemic attack in patients with transvenous pacemaker or defibrillator and echocardiographically detected patent foramen ovale. <i>Circulation</i> , <b>2013</b> , 128, 1433-41	16.7	72
210	Sleep-disordered breathing and excessive daytime sleepiness in patients with atrial fibrillation. <i>Chest</i> , <b>2012</b> , 141, 967-973	5.3	66
209	Safety and outcomes of magnetic resonance imaging in patients with abandoned pacemaker and defibrillator leads. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2014</b> , 37, 1284-90	1.6	60
208	Differential outcome of cardiac resynchronization therapy in ischemic cardiomyopathy and idiopathic dilated cardiomyopathy. <i>Heart Rhythm</i> , <b>2011</b> , 8, 377-82	6.7	60

207	Burden of Arrhythmia in Pregnancy. <i>Circulation</i> , <b>2017</b> , 135, 619-621	16.7	56
206	Detection of Hypertrophic Cardiomyopathy Using a Convolutional Neural Network-Enabled Electrocardiogram. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 722-733	15.1	55
205	Trends in Use and Adverse Outcomes Associated with Transvenous Lead Removal in the United States. <i>Circulation</i> , <b>2015</b> , 132, 2363-71	16.7	55
204	Percutaneous epicardial left atrial appendage closure: preliminary results of an electrogram guided approach. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2009</b> , 20, 908-15	2.7	55
203	Artificial Intelligence in Cardiology: Present and Future. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 1015-1039	6.4	54
202	Prospective validation of a deep learning electrocardiogram algorithm for the detection of left ventricular systolic dysfunction. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2019</b> , 30, 668-674	2.7	53
201	Is sinus node modification appropriate for inappropriate sinus tachycardia with features of postural orthostatic tachycardia syndrome?. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2001</b> , 24, 217-30	1.6	53
200	Role of F-FDG PET/CT in the diagnosis of cardiovascular implantable electronic device infections: A meta-analysis. <i>Journal of Nuclear Cardiology</i> , <b>2019</b> , 26, 958-970	2.1	53
199	Troubleshooting implanted cardioverter defibrillator sensing problems I. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2014</b> , 7, 1237-61	6.4	51
198	Artificial intelligence-enhanced electrocardiography in cardiovascular disease management. <i>Nature Reviews Cardiology</i> , <b>2021</b> , 18, 465-478	14.8	49
197	Intra-atrial conduction block along the mitral valve annulus during accessory pathway ablation: evidence for a left atrial "isthmus". <i>Journal of Cardiovascular Electrophysiology</i> , <b>2001</b> , 12, 744-9	2.7	48
196	Safety of magnetic resonance imaging in patients with legacy pacemakers and defibrillators and abandoned leads. <i>Heart Rhythm</i> , <b>2018</b> , 15, 228-233	6.7	46
195	Advances and Future Directions in Cardiac Pacemakers: Part 2 of a 2-Part Series. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 211-235	15.1	43
194	Assessing and Mitigating Bias in Medical Artificial Intelligence: The Effects of Race and Ethnicity on a Deep Learning Model for ECG Analysis. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2020</b> , 13, e007988	6.4	43
193	Role of programmed ventricular stimulation and implantable cardioverter defibrillators in patients with idiopathic dilated cardiomyopathy and syncope. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2001</b> , 24, 1623-30	1.6	41
192	Artificial Intelligence and Machine Learning in Arrhythmias and Cardiac Electrophysiology. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2020</b> , 13, e007952	6.4	38
191	"Power-on resets" in cardiac implantable electronic devices during magnetic resonance imaging. <i>Heart Rhythm</i> , <b>2015</b> , 12, 540-544	6.7	38
190	Outcomes in patients with cardiovascular implantable electronic devices and bacteremia caused by Gram-positive cocci other than <i>Staphylococcus aureus</i> . <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2010</b> , 3, 639-45	6.4	37

189	Outcomes After Implantable Cardioverter-Defibrillator Generator Replacement for Primary Prevention of Sudden Cardiac Death. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9, e003283	6.4	36
188	Percutaneous epicardial access for mapping and ablation is feasible in patients with prior cardiac surgery, including coronary bypass surgery. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2015</b> , 8, 94-101	6.4	35
187	Gender, Racial, and Health Insurance Differences in the Trend of Implantable Cardioverter-Defibrillator (ICD) Utilization: A United States Experience Over the Last Decade. <i>Clinical Cardiology</i> , <b>2016</b> , 39, 63-71	3.3	35
186	Magnetic resonance imaging in patients with recently implanted pacemakers. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2013</b> , 36, 1090-5	1.6	33
185	Novel mapping techniques for cardiac electrophysiology. <i>British Heart Journal</i> , <b>2002</b> , 87, 575-82		33
184	Incidence and outcomes of systemic infections in patients with leadless pacemakers: Data from the Micra IDE study. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2019</b> , 42, 1105-1110	1.6	31
183	A prospective randomized trial of single- or dual-chamber implantable cardioverter-defibrillators to minimize inappropriate shock risk in primary sudden cardiac death prevention. <i>Europace</i> , <b>2014</b> , 16, 1460-8	3.9	31
182	Marked Up-Regulation of ACE2 in Hearts of Patients With Obstructive Hypertrophic Cardiomyopathy: Implications for SARS-CoV-2-Mediated COVID-19. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 1354-1368	6.4	31
181	Novel Bloodless Potassium Determination Using a Signal-Processed Single-Lead ECG. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	31
180	Ischemic Stroke Risk in Patients With Nonvalvular Atrial Fibrillation: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 3050-3065	15.1	31
179	Impact of implanted recalled sprint Fidelis lead on patient mortality. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 278-83	15.1	29
178	Artificial intelligence-enabled electrocardiograms for identification of patients with low ejection fraction: a pragmatic, randomized clinical trial. <i>Nature Medicine</i> , <b>2021</b> , 27, 815-819	50.5	29
177	Incidence of Idiopathic Ventricular Arrhythmias: A Population-Based Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2017</b> , 10,	6.4	27
176	Trends of Cardiovascular Implantable Electronic Device Infection in 3 Decades: A Population-Based Study. <i>JACC: Clinical Electrophysiology</i> , <b>2019</b> , 5, 1071-1080	4.6	27
175	Predicting risk of endovascular device infection in patients with Staphylococcus aureus bacteremia (PREDICT-SAB). <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2015</b> , 8, 137-44	6.4	26
174	Noninvasive potassium determination using a mathematically processed ECG: proof of concept for a novel "blood-less, blood test". <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 12-8	1.4	26
173	Generalizability of the CASTLE-AF trial: Catheter ablation for patients with atrial fibrillation and heart failure in routine practice. <i>Heart Rhythm</i> , <b>2020</b> , 17, 1057-1065	6.7	26
172	Electrocardiographic and Echocardiographic predictors of paroxysmal atrial fibrillation detected after ischemic stroke. <i>BMC Cardiovascular Disorders</i> , <b>2016</b> , 16, 209	2.3	26

171	ECG AI-Guided Screening for Low Ejection Fraction (EAGLE): Rationale and design of a pragmatic cluster randomized trial. <i>American Heart Journal</i> , <b>2020</b> , 219, 31-36	4.9	26
170	Artificial Intelligence-Enabled ECG Algorithm to Identify Patients With Left Ventricular Systolic Dysfunction Presenting to the Emergency Department With Dyspnea. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2020</b> , 13, e008437	6.4	26
169	Multicenter study of the safety and effects of magnetic resonance imaging in patients with coronary sinus left ventricular pacing leads. <i>Heart Rhythm</i> , <b>2015</b> , 12, 345-9	6.7	25
168	Catheter ablation related mitral valve injury: the importance of early recognition and rescue mitral valve repair. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2014</b> , 25, 971-975	2.7	25
167	Effects of a rate smoothing algorithm for prevention of ventricular arrhythmias: results of the Ventricular Arrhythmia Suppression Trial (VAST). <i>Heart Rhythm</i> , <b>2006</b> , 3, 573-80	6.7	23
166	Artificial Intelligence-Electrocardiography to Predict Incident Atrial Fibrillation: A Population-Based Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2020</b> , 13, e009355	6.4	23
165	Statins decrease leptin expression in human white adipocytes. <i>Physiological Reports</i> , <b>2018</b> , 6, e13566	2.6	23
164	Noninvasive blood potassium measurement using signal-processed, single-lead ecg acquired from a handheld smartphone. <i>Journal of Electrocardiology</i> , <b>2017</b> , 50, 620-625	1.4	22
163	Usefulness of sonication of cardiovascular implantable electronic devices to enhance microbial detection. <i>American Journal of Cardiology</i> , <b>2015</b> , 115, 912-7	3	22
162	Defibrillators: Selecting the Right Device for the Right Patient. <i>Circulation</i> , <b>2016</b> , 134, 1390-1404	16.7	22
161	Effective Use of Percutaneous Stellate Ganglion Blockade in Patients With Electrical Storm. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2019</b> , 12, e007118	6.4	20
160	Application of artificial intelligence to the electrocardiogram. <i>European Heart Journal</i> , <b>2021</b> , 42, 4717-4730	6.3	19
159	Novel Quantitative Analytical Approaches for Rotor Identification and Associated Implications for Mapping. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 273-281	5	18
158	The noncoronary cusp as a site for successful ablation of accessory pathways: electrogram characteristics in three cases. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2011</b> , 22, 203-9	2.7	18
157	Localization of the origin of arrhythmias for ablation: from Electrocardiography to advanced endocardial mapping systems. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2001</b> , 12, 1309-25	2.7	18
156	Artificial Intelligence-Enabled Assessment of the Heart Rate Corrected QT Interval Using a Mobile Electrocardiogram Device. <i>Circulation</i> , <b>2021</b> , 143, 1274-1286	16.7	18
155	Noninvasive assessment of dofetilide plasma concentration using a deep learning (neural network) analysis of the surface electrocardiogram: A proof of concept study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201059	3.7	17
154	Distinguishing ventricular arrhythmia originating from the right coronary cusp, peripulmonic valve area, and the right ventricular outflow tract: utility of lead I. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2014</b> , 25, 404-410	2.7	17

153	Electrocardiogram screening for aortic valve stenosis using artificial intelligence. <i>European Heart Journal</i> , <b>2021</b> , 42, 2885-2896	9.5	17
152	Safety and Efficacy of Cryoablation in Patients With Ventricular Arrhythmias Originating From the Para-Hisian Region. <i>JACC: Clinical Electrophysiology</i> , <b>2018</b> , 4, 366-373	4.6	16
151	The impact of atrial prevention and termination therapies on atrial tachyarrhythmia burden in patients receiving a dual-chamber defibrillator for ventricular arrhythmias. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2004</b> , 10, 103-10	2.4	16
150	Troubleshooting implantable cardioverter-defibrillator sensing problems II. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2015</b> , 8, 212-20	6.4	15
149	Electrocardiographic Predictors of Torsadogenic Risk During Dofetilide or Sotalolol Initiation: Utility of a Novel T Wave Analysis Program. <i>Cardiovascular Drugs and Therapy</i> , <b>2015</b> , 29, 433-41	3.9	15
148	Catheter ablation of mitral isthmus ventricular tachycardia using electroanatomically guided linear lesions. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2000</b> , 11, 466-71	2.7	15
147	Utility of 30-Day Continuous Ambulatory Monitoring to Identify Patients With Delayed Occurrence of Atrioventricular Block After Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , <b>2019</b> , 12, e007635	6	15
146	Use of Artificial Intelligence and Deep Neural Networks in Evaluation of Patients With Electrocardiographically Concealed Long QT Syndrome From the Surface 12-Lead Electrocardiogram. <i>JAMA Cardiology</i> , <b>2021</b> , 6, 532-538	16.2	14
145	Pragmatic considerations for fostering reproducible research in artificial intelligence. <i>Npj Digital Medicine</i> , <b>2019</b> , 2, 42	15.7	13
144	Leadless Pacemakers - Implant, Explant and Long-Term Safety and Efficacy Data. <i>Journal of Atrial Fibrillation</i> , <b>2017</b> , 10, 1581	0.8	13
143	Mortality and Cerebrovascular Events After Heart Rhythm Disorder Management Procedures. <i>Circulation</i> , <b>2018</b> , 137, 24-33	16.7	13
142	The Pericardial Space: Obtaining Access and an Approach to Fluoroscopic Anatomy. <i>Cardiac Electrophysiology Clinics</i> , <b>2010</b> , 2, 9-23	1.4	13
141	Ablation of noninducible idiopathic left ventricular tachycardia using a noncontact map acquired from a premature complex with tachycardia morphology. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2000</b> , 23, 1311-4	1.6	13
140	Impact of sedation vs. general anaesthesia on percutaneous epicardial access safety and procedural outcomes. <i>Europace</i> , <b>2018</b> , 20, 329-336	3.9	12
139	Incidence, patterns, and outcomes after transvenous cardiac device lead macrodislodgment: Insights from a population-based study. <i>Heart Rhythm</i> , <b>2019</b> , 16, 140-147	6.7	12
138	A comprehensive artificial intelligence-enabled electrocardiogram interpretation program.. <i>Cardiovascular Digital Health Journal</i> , <b>2020</b> , 1, 62-70	2	12
137	Efficacy and Safety of Transvenous Lead Extraction in the Device Laboratory and Operating Room Guided by a Novel Risk Stratification Scheme. <i>JACC: Clinical Electrophysiology</i> , <b>2019</b> , 5, 174-182	4.6	12
136	Recurrent cryptogenic stroke: A potential role for an artificial intelligence-enabled electrocardiogram?. <i>HeartRhythm Case Reports</i> , <b>2020</b> , 6, 202-205	1	11

135	Left atrial appendage exclusion for atrial fibrillation. <i>Cardiology Clinics</i> , <b>2014</b> , 32, 601-25	2.5	11
134	Artificial Intelligence (AI)-Empowered Echocardiography Interpretation: A State-of-the-Art Review. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	11
133	Risk of Appropriate Therapy and Death Before Therapy After Implantable Cardioverter-Defibrillator Generator Replacement. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2018</b> , 11, e006155	6.4	11
132	Risk of QTc prolongation among cancer patients treated with tyrosine kinase inhibitors. <i>International Journal of Cancer</i> , <b>2020</b> , 147, 3160-3167	7.5	11
131	Feasibility of visualizing higher regions of Shannon entropy in atrial fibrillation patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 4499-502	0.9	10
130	Non-surgical left atrial appendage closure for stroke prevention in atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2011</b> , 22, 1184-91	2.7	10
129	Real-world experience with leadless cardiac pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2019</b> , 42, 366-373	1.6	10
128	Electrophysiologic effects and outcomes of sympatholysis in patients with recurrent ventricular arrhythmia and structural heart disease. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2019</b> , 30, 1499-1507	7.7	9
127	Identification of Concealed and Manifest Long QT Syndrome Using a Novel T Wave Analysis Program. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9,	6.4	9
126	Radiolucent implantable electrocardiographic monitoring device based on graphene. <i>Carbon</i> , <b>2019</b> , 152, 946-953	10.4	8
125	Percutaneous Epicardial Pacing using a Novel Insulated Multi-electrode Lead. <i>JACC: Clinical Electrophysiology</i> , <b>2015</b> , 1, 273-283	4.6	8
124	Cardiac device complications in the cognitively impaired. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2013</b> , 36, 1061-7	1.6	8
123	Ablation for atrial fibrillation: is the cure at hand?. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2001</b> , 12, 909-11	2.7	8
122	Outcomes of Combined Endocardial-Epicardial Ablation Compared With Endocardial Ablation Alone in Patients Who Undergo Epicardial Access. <i>American Journal of Cardiology</i> , <b>2016</b> , 118, 842-848	3	8
121	Diagnostic and therapeutic value of implantable loop recorder: A tertiary care center experience. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2019</b> , 42, 38-45	1.6	8
120	Sudden death and its risk factors after atrioventricular junction ablation and pacemaker implantation in patients with atrial fibrillation. <i>Clinical Cardiology</i> , <b>2017</b> , 40, 18-25	3.3	7
119	Clinical Presentation, Management, and Outcomes of Cardiovascular Implantable Electronic Device Infections Due to Gram-Negative Versus Gram-Positive Bacteria. <i>Mayo Clinic Proceedings</i> , <b>2019</b> , 94, 1268-1277	6.4	7
118	Artificial Intelligence ECG to Detect Left Ventricular Dysfunction in COVID-19: A Case Series. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 2464-2466	6.4	7

117	Management of cardiac implantable electronic devices in the presence of left ventricular assist devices. <i>Heart Rhythm</i> , <b>2018</b> , 15, 1089-1096	6.7	7
116	Real-Time Pathophysiologic Correlates of Left Atrial Appendage Thrombus in Patients Who Underwent Transesophageal-Guided Electrical Cardioversion for Atrial Fibrillation. <i>American Journal of Cardiology</i> , <b>2018</b> , 121, 1540-1547	3	7
115	Errors of Classification With Potassium Blood Testing: The Variability and Repeatability of Critical Clinical Tests. <i>Mayo Clinic Proceedings</i> , <b>2018</b> , 93, 566-572	6.4	7
114	External validation of a deep learning electrocardiogram algorithm to detect ventricular dysfunction. <i>International Journal of Cardiology</i> , <b>2021</b> , 329, 130-135	3.2	7
113	Comparative outcomes of subcutaneous and transvenous cardioverter-defibrillators. <i>Chinese Medical Journal</i> , <b>2019</b> , 132, 631-637	2.9	7
112	Left ventricular systolic dysfunction identification using artificial intelligence-augmented electrocardiogram in cardiac intensive care unit patients. <i>International Journal of Cardiology</i> , <b>2021</b> , 326, 114-123	3.2	7
111	Vascular Aging Detected by Peripheral Endothelial Dysfunction Is Associated With ECG-Derived Physiological Aging. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e018656	6	7
110	Magnetic Resonance Imaging in Nondependent Pacemaker Patients with Pacemakers and Defibrillators with a Nearly Depleted Battery. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2017</b> , 40, 476-481	1.6	6
109	Outcomes of Transvenous Lead Extraction for Cardiovascular Implantable Electronic Device Infections in Patients With Prosthetic Heart Valves. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9,	6.4	6
108	Novel Multiscale Frequency Approach to Identify the Pivot Point of the Rotor1. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2016</b> , 10,	1.3	6
107	Safety of thoracic magnetic resonance imaging for patients with pacemakers and defibrillators. <i>Heart Rhythm</i> , <b>2019</b> , 16, 1645-1651	6.7	6
106	Clinical trial design data for electrocardiogram artificial intelligence-guided screening for low ejection fraction (EAGLE). <i>Data in Brief</i> , <b>2020</b> , 28, 104894	1.2	6
105	Molecular Approach to Diagnosis of Cardiovascular Implantable Electronic Device Infection. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 898-906	11.6	6
104	Artificial Intelligence-Enhanced Electrocardiogram for the Early Detection of Cardiac Amyloidosis. <i>Mayo Clinic Proceedings</i> , <b>2021</b> , 96, 2768-2778	6.4	6
103	Percutaneous ligation of the left atrial appendage results in atrial electrical substrate modification. <i>Translational Research</i> , <b>2015</b> , 165, 365-73	11	5
102	Effect of epicardial cooling Peltier elements on atrial conduction: A proof-of-concept study for a potentially painless method of atrial defibrillation. <i>Heart Rhythm</i> , <b>2016</b> , 13, 2253-2258	6.7	5
101	Left Atrial Appendage Exclusion for Atrial Fibrillation. <i>Heart Failure Clinics</i> , <b>2016</b> , 12, 273-97	3.3	5
100	Stellate ganglion block and cardiac sympathetic denervation in patients with inappropriate sinus tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2019</b> , 30, 2920-2928	2.7	5



99	Left Atrial Appendage Closure for Stroke Prevention: Emerging Technologies. <i>Cardiac Electrophysiology Clinics</i> , <b>2014</b> , 6, 141-60	1.4	5
98	A Novel Defibrillation Tool: Percutaneously Delivered, Partially Insulated Epicardial Defibrillation. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 747-755	4.6	5
97	Percutaneous transapical access with closure for ventricular tachycardia ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2015</b> , 8, 508-11	6.4	5
96	Advances in radiofrequency ablation of the cerebral cortex in primates using the venous system: Improvements for treating epilepsy with catheter ablation technology. <i>Epilepsy Research</i> , <b>2014</b> , 108, 1026-31	3	5
95	Use of the aortoatrial continuity as means of providing left ventricular assist support without entering the ventricle: a feasibility study. <i>Journal of Cardiac Failure</i> , <b>2011</b> , 17, 511-8	3.3	5
94	The year in cardiovascular medicine 2021: digital health and innovation.. <i>European Heart Journal</i> , <b>2022</b> ,	9.5	5
93	Left sinus of Valsalva-Electroanatomic basis and outcomes with ablation for outflow tract arrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2020</b> , 31, 952-959	2.7	5
92	An artificial intelligence-enabled ECG algorithm for comprehensive ECG interpretation: Can it pass the Turing test?. <i>Cardiovascular Digital Health Journal</i> , <b>2021</b> , 2, 164-170	2	5
91	Ischemic Stroke or Systemic Embolism After Transseptal Ablation of Arrhythmias in Patients With Cardiac Implantable Electronic Devices. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5, e003163	6	5
90	Postoperative opioid prescription patterns and new opioid refills following cardiac implantable electronic device procedures. <i>Heart Rhythm</i> , <b>2019</b> , 16, 1841-1848	6.7	5
89	Diagnostic evaluation and management of culture-negative cardiovascular implantable electronic device infections. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2018</b> , 41, 933	1.6	5
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