Jeffrey E Olgin

List of Publications by Year
in descending order

107 papers	6,608 citations	125106 35 h-index	78623 77 g-index
115 all docs	115 docs citations	115 times ranked	9167 citing authors

#	Article	IF	Citations
1	Identifying falls remotely in people with multiple sclerosis. Journal of Neurology, 2022, 269, 1889-1898.	1.8	5
2	Individualized Studies of Triggers of Paroxysmal Atrial Fibrillation. JAMA Cardiology, 2022, 7, 167.	3.0	34
3	Atrial Fibrillation Detection and Atrial Fibrillation Burden Estimation via Wearables. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2063-2074.	3.9	13
4	Prospective arrhythmia surveillance after a COVID-19 diagnosis. Open Heart, 2022, 9, e001758.	0.9	14
5	Remote Assessment of Cardiovascular Risk Factors and Cognition in Middle-Aged and Older Adults: Proof-of-Concept Study. JMIR Formative Research, 2022, 6, e30410.	0.7	3
6	Digital platforms for clinical trials: The Eureka experience. Contemporary Clinical Trials, 2022, 115, 106710.	0.8	16
7	Patient Onboarding and Engagement to Build a Digital Study After Enrollment in a Clinical Trial (TAILOR-PCI Digital Study): Intervention Study. JMIR Formative Research, 2022, 6, e34080.	0.7	2
8	Underdiagnosis and Undertreatment of Modifiable Cardiovascular Risk Factors Among Survivors of Childhood Cancer. Journal of the American Heart Association, 2022, 11, .	1.6	18
9	Wearable cardioverter-defibrillators: A review of evidence and indications. Trends in Cardiovascular Medicine, 2021, 31, 196-201.	2.3	13
10	Rationale and design of the TAILOR-PCI digital study: Transitioning a randomized controlled trial to a digital registry. American Heart Journal, 2021, 232, 84-93.	1.2	10
11	Atrial Fibrillation is Associated With Greater Risk of Dementia in Older Veterans. American Journal of Geriatric Psychiatry, 2021, 29, 1092-1098.	0.6	6
12	Characteristics and Behaviors Associated with Prevalent SARS-CoV-2 Infection. International Journal of General Medicine, 2021, Volume 14, 1063-1067.	0.8	12
13	Body Weight Changes During Pandemic-Related Shelter-in-Place in a Longitudinal Cohort Study. JAMA Network Open, 2021, 4, e212536.	2.8	94
14	Machine learning prediction of blood alcohol concentration: a digital signature of smart-breathalyzer behavior. Npj Digital Medicine, 2021, 4, 74.	5.7	10
15	Sex and Racial Differences in Autopsy-Defined Causes of Presumed Sudden Cardiac Death. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009393.	2.1	12
16	Factors Associated With Access to and Timing of Coronavirus Testing Among US Adults After Onset of Febrile Illness. JAMA Network Open, 2021, 4, e218500.	2.8	9
17	A Randomized, Double-Blind, Placebo-Controlled Trial of Intravenous Alcohol to Assess Changes in AtrialÂElectrophysiology. JACC: Clinical Electrophysiology, 2021, 7, 662-670.	1.3	26
18	Predictors of incident viral symptoms ascertained in the era of COVID-19. PLoS ONE, 2021, 16, e0253120.	1.1	6

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19	Sudden Cardiac Death and Myocardial Fibrosis, Determined by Autopsy, in Persons with HIV. New England Journal of Medicine, 2021, 384, 2306-2316.	13.9	33
20	Machine Learning Methods for Identifying Atrial Fibrillation Cases and Their Predictors in Patients With Hypertrophic Cardiomyopathy: The HCM-AF-Risk Model. CJC Open, 2021, 3, 801-813.	0.7	7
21	Smartphone-Based VO2max Measurement With Heart Snapshot in Clinical and Real-world Settings With a Diverse Population: Validation Study. JMIR MHealth and UHealth, 2021, 9, e26006.	1.8	9
22	Acute Consumption of Alcohol and Discrete Atrial Fibrillation Events. Annals of Internal Medicine, 2021, 174, 1503-1509.	2.0	36
23	Predicting incident heart failure in women with machine learning: The Women's Health Initiative Cohort. Canadian Journal of Cardiology, 2021, 37, 1708-1714.	0.8	8
24	The COVID-19 Citizen Science Study: Protocol for a Longitudinal Digital Health Cohort Study. JMIR Research Protocols, 2021, 10, e28169.	0.5	21
25	Antemortem and Post-Mortem Characteristics of Lethal Mitral Valve Prolapse Among All Countywide SuddenÂDeaths. JACC: Clinical Electrophysiology, 2021, 7, 1025-1034.	1.3	27
26	Performance of a Convolutional Neural Network and Explainability Technique for 12-Lead Electrocardiogram Interpretation. JAMA Cardiology, 2021, 6, 1285.	3.0	60
27	Predictors of incident SARS-CoV-2 infections in an international prospective cohort study. BMJ Open, 2021, 11, e052025.	0.8	9
28	Validation of an algorithm for continuous monitoring of atrial fibrillation using a consumer smartwatch. Heart Rhythm, 2021, 18, 1482-1490.	0.3	36
29	Analysis of COVID-19 Vaccine Type and Adverse Effects Following Vaccination. JAMA Network Open, 2021, 4, e2140364.	2.8	243
30	Effect of acute and chronic ethanol on atrial fibrillation vulnerability in rats. Heart Rhythm, 2020, 17, 654-660.	0.3	20
31	Effects of Time-Restricted Eating on Weight Loss and Other Metabolic Parameters in Women and Men With Overweight and Obesity. JAMA Internal Medicine, 2020, 180, 1491.	2.6	283
32	Worldwide Effect of COVID-19 on Physical Activity: A Descriptive Study. Annals of Internal Medicine, 2020, 173, 767-770.	2.0	597
33	Examining the Impact of the 2019 Novel Coronavirus and Pandemic-Related Hardship on Adverse Pregnancy and Infant Outcomes: Design and Launch of the HOPE COVID-19 Study. Reproductive Medicine, 2020, 1, 91-107.	0.3	2
34	A digital biomarker of diabetes from smartphone-based vascular signals. Nature Medicine, 2020, 26, 1576-1582.	15.2	58
35	Webâ€based assessment of cardiovascular risk factors and cognition in older adults: Findings from the Brain eHealth feasibility study. Alzheimer's and Dementia, 2020, 16, e041212.	0.4	1
36	Assessment of Accelerometer-Based Physical Activity During the 2017-2018 California Wildfire Seasons. JAMA Network Open, 2020, 3, e2018116.	2.8	7

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37	Dyssynchrony and Fibrosis Persist After Resolution of Cardiomyopathy in a Swine Premature Ventricular Contraction Model. JACC: Clinical Electrophysiology, 2020, 6, 1367-1376.	1.3	13
38	EventDTW: An Improved Dynamic Time Warping Algorithm for Aligning Biomedical Signals of Nonuniform Sampling Frequencies. Sensors, 2020, 20, 2700.	2.1	32
39	The Rise of Open-Sourced Machine Learning in Small and Imbalanced Datasets: Predicting In-Stent Restenosis. Canadian Journal of Cardiology, 2020, 36, 1574-1576.	0.8	6
40	Impact of wearable cardioverterâ€defibrillator compliance on outcomes in the VEST trial: Asâ€treated and perâ€protocol analyses. Journal of Cardiovascular Electrophysiology, 2020, 31, 1009-1018.	0.8	52
41	Association of QT-Prolonging Medications With Risk of Autopsy-Defined Causes of Sudden Death. JAMA Internal Medicine, 2020, 180, 698.	2.6	33
42	Atrial fibrillation detection from raw photoplethysmography waveforms: A deep learning application. Heart Rhythm O2, 2020, 1, 3-9.	0.6	35
43	Physical activity and atrial fibrillation: Data from wearable fitness trackers. Heart Rhythm, 2020, 17, 842-846.	0.3	24
44	Apelin increases atrial conduction velocity, refractoriness, and prevents inducibility of atrial fibrillation. JCI Insight, 2020, 5, .	2.3	15
45	Comparison of the Physical Activity Measured by a Consumer Wearable Activity Tracker and That Measured by Self-Report: Cross-Sectional Analysis of the Health eHeart Study. JMIR MHealth and UHealth, 2020, 8, e22090.	1.8	16
46	An approach towards individualized lower rate settings for pacemakers. Heart Rhythm O2, 2020, 1, 390-393.	0.6	6
47	Real-world heart rate norms in the Health eHeart study. Npj Digital Medicine, 2019, 2, 58.	5.7	90
48	Refining the World Health Organization Definition. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007171.	2.1	20
49	A Cryoinjury Model to Study Myocardial Infarction in the Mouse. Journal of Visualized Experiments, 2019, , .	0.2	6
50	Does cannabis legalisation change healthcare utilisation? A population-based study using the healthcare cost and utilisation project in Colorado, USA. BMJ Open, 2019, 9, e027432.	0.8	30
51	Association of Continuous Assessment of Step Count by Remote Monitoring With Disability Progression Among Adults With Multiple Sclerosis. JAMA Network Open, 2019, 2, e190570.	2.8	69
52	Identifying Ventricular Arrhythmias and Their Predictors by Applying Machine Learning Methods to Electronic Health Records in Patients With Hypertrophic Cardiomyopathy (HCM-VAr-Risk Model). American Journal of Cardiology, 2019, 123, 1681-1689.	0.7	47
53	Low Left Atrial Strain Is Associated With Adverse Outcomes in Hypertrophic Cardiomyopathy Patients. Journal of the American Society of Echocardiography, 2019, 32, 593-603.e1.	1.2	62
54	Wearable Cardioverterâ€“Defibrillator after Myocardial Infarction. New England Journal of Medicine, 2019, 380, 599-601.	13.9	3

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55	Patient-reported triggers of paroxysmal atrial fibrillation. Heart Rhythm, 2019, 16, 996-1002.	0.3	53
56	Differences in microRNA-29 and Pro-fibrotic Gene Expression in Mouse and Human Hypertrophic Cardiomyopathy. Frontiers in Cardiovascular Medicine, 2019, 6, 170.	1.1	26
57	Validation of a consumer-grade activity monitor for continuous daily activity monitoring in individuals with multiple sclerosis. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731988866.	0.5	15
58	Temporal patterns of self-weighing behavior and weight changes assessed by consumer purchased scales in the Health eHeart Study. Journal of Behavioral Medicine, 2019, 42, 873-882.	1.1	6
59	Hypertrophic Cardiomyopathy Patients With Paroxysmal Atrial Fibrillation Have a High Burden of Left Atrial Fibrosis by Cardiac Magnetic Resonance Imaging. JACC: Clinical Electrophysiology, 2019, 5, 364-375.	1.3	56
60	Absence of natriuretic peptide clearance receptor attenuates TGF-Î²1-induced selective atrial fibrosis and atrial fibrillation. Cardiovascular Research, 2019, 115, 357-372.	1.8	29
61	Comparison of On-Site Versus Remote Mobile Device Support in the Framingham Heart Study Using the Health eHeart Study for Digital Follow-up: Randomized Pilot Study Set Within an Observational Study Design. JMIR MHealth and UHealth, 2019, 7, e13238.	1.8	16
62	Characteristics of Atrial Fibrillation Patients with a Family History of Atrial Fibrillation. Journal of Atrial Fibrillation, 2019, 12, 2198.	0.5	1
63	Passive Detection of Atrial Fibrillation Using a Commercially Available Smartwatch. JAMA Cardiology, 2018, 3, 409.	3.0	357
64	Effects of reproductive period duration and number of pregnancies on midlife ECG indices: a secondary analysis from the Womenâ€™s Health Initiative Clinical Trial. BMJ Open, 2018, 8, e019129.	0.8	7
65	Left Ventricular Dyssynchrony Predicts the Cardiomyopathy Associated With Premature Ventricular Contractions. Journal of the American College of Cardiology, 2018, 72, 2870-2882.	1.2	69
66	Identifying heart failure using EMR-based algorithms. International Journal of Medical Informatics, 2018, 120, 1-7.	1.6	28
67	Wearable Cardioverterâ€“Defibrillator after Myocardial Infarction. New England Journal of Medicine, 2018, 379, 1205-1215.	13.9	229
68	Sleep characteristics that predict atrial fibrillation. Heart Rhythm, 2018, 15, 1289-1295.	0.3	58
69	Cigarette and e-cigarette dual use and risk of cardiopulmonary symptoms in the Health eHeart Study. PLoS ONE, 2018, 13, e0198681.	1.1	160
70	Using Digital Health Technology toÂBetterÂGenerate Evidence and DeliverÂEvidence-BasedÂCare. Journal of the American College of Cardiology, 2018, 71, 2680-2690.	1.2	192
71	Prospective Countywide Surveillance and Autopsy Characterization of Sudden Cardiac Death. Circulation, 2018, 137, 2689-2700.	1.6	192
72	Bundle Branch Re-Entrant VentricularÂTachycardia. JACC: Clinical Electrophysiology, 2017, 3, 276-288.	1.3	27

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73	Atrial fibrillation patients with isolated pulmonary veins: Is sinus rhythm achievable?. Journal of Cardiovascular Electrophysiology, 2017, 28, 754-761.	0.8	8
74	Primary Prevention of Sudden Cardiac Death Early Post-Myocardial Infarction. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	21
75	Smartphone-Based Geofencing to Ascertain Hospitalizations. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	0.9	44
76	Wilson's Disease and Cardiac Myopathy. American Journal of Cardiology, 2017, 120, 2056-2060.	0.7	36
77	Volunteer Participation in the Health eHeart Study: A Comparison with the US Population. Scientific Reports, 2017, 7, 1956.	1.6	65
78	Direct Measurements of Smartphone Screen-Time: Relationships with Demographics and Sleep. PLoS ONE, 2016, 11, e0165331.	1.1	190
79	The QT Interval as a Noninvasive Marker of Atrial Refractoriness. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 1366-1372.	0.5	13
80	The Wearable Cardioverter-Defibrillator. Circulation, 2016, 134, 644-646.	1.6	5
81	Atrial Fibrillation Associated Genetic Variants and Left Atrial Histology: Evaluation for Molecular Subâ€Phenotypes. Journal of Cardiovascular Electrophysiology, 2016, 27, 1264-1270.	0.8	2
82	Sudden neurologic death masquerading as out-of-hospital sudden cardiac death. Neurology, 2016, 87, 1669-1673.	1.5	28
83	Genetic Investigation Into the Differential Risk of Atrial Fibrillation Among Black and White Individuals. JAMA Cardiology, 2016, 1, 442.	3.0	35
84	Access to alcohol and heart disease among patients in hospital: observational cohort study using differences in alcohol sales laws. BMJ, The, 2016, 353, i2714.	3.0	21
85	Impact of genetic variants on the upstream efficacy of renin-angiotensin system inhibitors for the prevention of atrial fibrillation. American Heart Journal, 2016, 175, 9-17.	1.2	6
86	Diffuse fibrosis leads to a decrease in unipolar voltage: Validation in a swine model of premature ventricular contractionâ€“induced cardiomyopathy. Heart Rhythm, 2016, 13, 547-554.	0.3	30
87	Predicting Persistent Left Ventricular Dysfunction FollowingÂMyocardial Infarction. Journal of the American College of Cardiology, 2016, 67, 1186-1196.	1.2	68
88	Secondhand smoke and atrial fibrillation: Data from the Health eHeart Study. Heart Rhythm, 2016, 13, 3-9.	0.3	56
89	Immunoâ€modification of enhancing stem cells targeting for myocardial repair. Journal of Cellular and Molecular Medicine, 2015, 19, 1483-1491.	1.6	8
90	Targeted Deep Sequencing Reveals No Definitive Evidence for Somatic Mosaicism in Atrial Fibrillation. Circulation: Cardiovascular Genetics, 2015, 8, 50-57.	5.1	15

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91	Sudden Death in Patients With Cardiac Implantable Electronic Devices. JAMA Internal Medicine, 2015, 175, 1342.	2.6	69
92	Perceptions, Information Sources, and Behavior Regarding Alcohol and Heart Health. American Journal of Cardiology, 2015, 116, 642-646.	0.7	51
93	Accuracy and Usability of a Self-Administered 6-Minute Walk Test Smartphone Application. Circulation: Heart Failure, 2015, 8, 905-913.	1.6	87
94	Impact of a 4q25 Genetic Variant in Atrial Flutter and on the Risk of Atrial Fibrillation After Cavotricuspid Isthmus Ablation. Journal of Cardiovascular Electrophysiology, 2014, 25, 271-277.	0.8	11
95	Telomere Length and the Risk of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1026-1032.	2.1	21
96	Cardiac BIN1 folds T-tubule membrane, controlling ion flux and limiting arrhythmia. Nature Medicine, 2014, 20, 624-632.	15.2	203
97	Alcohol and Vagal Tone as Triggers for Paroxysmal Atrial Fibrillation. American Journal of Cardiology, 2012, 110, 364-368.	0.7	69
98	Asymptomatic Left Bundle Branch Block Predicts New-Onset Congestive Heart Failure and Death From Cardiovascular Diseases. Cardiology Research, 2012, 3, 258-263.	0.5	6
99	Signal Processing of Fibrillatory Electrograms. , 2009, , 85-101.		0
100	Increased Vulnerability to Atrial Fibrillation in Transgenic Mice With Selective Atrial Fibrosis Caused by Overexpression of TGF-Î²1. Circulation Research, 2004, 94, 1458-1465.	2.0	507
101	Electrocardiographic and Electrophysiologic Characterization of Atypical Atrial Flutter in Man:.. Journal of Cardiovascular Electrophysiology, 1997, 8, 121-144.	0.8	124
102	New Approaches to Treatment of Atrial Flutter and Tachycardia. Journal of Cardiovascular Electrophysiology, 1996, 7, 368-381.	0.8	31
103	Regional Entrainment of Atrial Fibrillation in Man. Journal of Cardiovascular Electrophysiology, 1996, 7, 867-876.	0.8	27
104	Activation and Entrainment Mapping Defines the Tricuspid Annulus as the Anterior Barrier in Typical Atrial Flutter. Circulation, 1996, 94, 398-406.	1.6	306
105	Radiofrequency Catheter Modification of the Sinus Node for â€œInappropriateâ€•Sinus Tachycardia. Circulation, 1995, 92, 2919-2928.	1.6	178
106	Role of Right Atrial Endocardial Structures as Barriers to Conduction During Human Type I Atrial Flutter. Circulation, 1995, 92, 1839-1848.	1.6	419
107	Genetics of Ventricular Arrhythmias. , 0, , 37-50.		0