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List of Publications by Year in descending order

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67
papers

4,592
citations

147801

31
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

7181
citing authors

#	ARTICLE	IF	CITATIONS
1	Percutaneous coronary intervention in stable angina (ORBITA): a double-blind, randomised controlled trial. <i>Lancet, The</i> , 2018, 391, 31-40.	13.7	738
2	The annual global economic burden of heart failure. <i>International Journal of Cardiology</i> , 2014, 171, 368-376.	1.7	683
3	Mortality From Ischemic Heart Disease. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005375.	2.2	472
4	Enhanced Ventilatory Response to Exercise in Patients With Chronic Heart Failure and Preserved Exercise Tolerance. <i>Circulation</i> , 2001, 103, 967-972.	1.6	348
5	His Resynchronization Versus Biventricular Pacing in Patients With Heart Failure and Left Bundle Branch Block. <i>Journal of the American College of Cardiology</i> , 2018, 72, 3112-3122.	2.8	180
6	Baseline Instantaneous Wave-Free Ratio as a Pressure-Only Estimation of Underlying Coronary Flow Reserve. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 492-502.	3.9	152
7	His bundle pacing, learning curve, procedure characteristics, safety, and feasibility: Insights from a large international observational study. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1984-1993.	1.7	125
8	Fluid-structure interaction analysis of a patient-specific right coronary artery with physiological velocity and pressure waveforms. <i>Communications in Numerical Methods in Engineering</i> , 2009, 25, 565-580.	1.3	111
9	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Provides Virtual Intervention and Predicts Hemodynamic Outcome for Serial Lesions and Diffuse Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 1386-1396.	2.9	107
10	Hierarchical statistical techniques are necessary to draw reliable conclusions from analysis of isolated cardiomyocyte studies. <i>Cardiovascular Research</i> , 2017, 113, 1743-1752.	3.8	102
11	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Predicts Hemodynamic Outcome In Humans With Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 757-767.	2.9	95
12	Determination of optimal atrioventricular delay for cardiac resynchronization therapy using acute non-invasive blood pressure. <i>Europace</i> , 2006, 8, 358-366.	1.7	90
13	Fractional Flow Reserve and Instantaneous Wave-Free Ratio as Predictors of the Placebo-Controlled Response to Percutaneous Coronary Intervention in Stable Single-Vessel Coronary Artery Disease. <i>Circulation</i> , 2018, 138, 1780-1792.	1.6	88
14	Contribution of skeletal muscle ergoreceptors in the human leg to respiratory control in chronic heart failure. <i>Journal of Physiology</i> , 2000, 529, 863-870.	2.9	86
15	Implantable cardioverter defibrillators for primary prevention of death in left ventricular dysfunction with and without ischaemic heart disease: a meta-analysis of 8567 patients in the 11 trials. <i>European Heart Journal</i> , 2017, 38, 1738-1746.	2.2	74
16	Invasive versus non-invasive management of older patients with non-ST elevation myocardial infarction (SENIOR-NSTEMI): a cohort study based on routine clinical data. <i>Lancet, The</i> , 2020, 396, 623-634.	13.7	65
17	Catheter ablation vs. thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: CASA-AF randomized controlled trial. <i>European Heart Journal</i> , 2020, 41, 4471-4480.	2.2	54
18	Application of Ripple Mapping to Visualize Slow Conduction Channels Within the Infarct-Related Left Ventricular Scar. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 76-86.	4.8	47

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19	Physiological Pattern of Disease Assessed by Pressure-Wire Pullback Has an Influence on Fractional Flow Reserve/Instantaneous Wave-Free Ratio Discordance. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007494.	3.9	47
20	Dobutamine Stress Echocardiography Ischemia as a Predictor of the Placebo-Controlled Efficacy of Percutaneous Coronary Intervention in Stable Coronary Artery Disease. <i>Circulation</i> , 2019, 140, 1971-1980.	1.6	46
21	Association of troponin level and age with mortality in 250,000 patients: cohort study across five UK acute care centres. <i>BMJ, The</i> , 2019, 367, l6055.	6.0	45
22	Origin of Oscillatory Kinetics of Respiratory Gas Exchange in Chronic Heart Failure. <i>Circulation</i> , 1999, 100, 1065-1070.	1.6	44
23	Magnitude of Blood Pressure Reduction in the Placebo Arms of Modern Hypertension Trials. <i>Hypertension</i> , 2015, 65, 401-406.	2.7	44
24	Meta-analysis of symptomatic response attributable to the pacing component of cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2013, 15, 1419-1428.	7.1	40
25	Cardiac resynchronization therapy: mechanisms of action and scope for further improvement in cardiac function. <i>Europace</i> , 2017, 19, euw136.	1.7	40
26	The mortality risk of deferring optimal medical therapy in heart failure: a systematic comparison against norms for surgical consent and patient information leaflets. <i>European Journal of Heart Failure</i> , 2017, 19, 1401-1409.	7.1	39
27	Change in Coronary Blood Flow After Percutaneous Coronary Intervention in Relation to Baseline Lesion Physiology. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e001715.	3.9	38
28	Rationale and design of the randomized multicentre His Optimized Pacing Evaluated for Heart Failure (HOPE-HF) trial. <i>ESC Heart Failure</i> , 2018, 5, 965-976.	3.1	38
29	Quantifying the 3 Biases That Lead to Unintentional Overestimation of the Blood Pressure-Lowering Effect of Renal Denervation. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 14-22.	2.2	36
30	Cardiac Rhythm Device Identification Using Neural Networks. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 576-586.	3.2	36
31	The Acute Effects of Changes to AV Delay on BP and Stroke Volume. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 122-130.	4.8	34
32	Oxygenation in Patients With a Functionally Univentricular Circulation and Complete Mixing of Blood. <i>Circulation</i> , 1999, 100, 2198-2203.	1.6	33
33	The effect of duration of follow-up and presence of competing risk on lifespan-gain from implantable cardioverter defibrillator therapy: who benefits the most?. <i>European Heart Journal</i> , 2015, 36, 1676-1688.	2.2	31
34	Improving ultrasound video classification: an evaluation of novel deep learning methods in echocardiography. <i>Journal of Medical Artificial Intelligence</i> , 2020, 3, 4-4.	1.1	31
35	Safety of Revascularization Deferral of Left Main Stenosis Based on Instantaneous Wave-Free Ratio Evaluation. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1655-1664.	2.9	30
36	Artificial Intelligence for Aortic Pressure Waveform Analysis During Coronary Angiography. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2093-2101.	2.9	24

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37	A novel approach to mapping the atrial ganglionated plexus network by generating a distribution probability atlas. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1624-1634.	1.7	22
38	Very-low-frequency oscillations in heart rate and blood pressure in periodic breathing: role of the cardiovascular limb of the hypoxic chemoreflex. <i>Clinical Science</i> , 2000, 99, 125-132.	4.3	21
39	Mortality risk prediction of high-sensitivity C-reactive protein in suspected acute coronary syndrome: A cohort study. <i>PLoS Medicine</i> , 2022, 19, e1003911.	8.4	21
40	Ventilatory capacity and exercise tolerance in patients with chronic stable heart failure. <i>European Journal of Heart Failure</i> , 2000, 2, 47-51.	7.1	20
41	Multicenter Randomized Controlled Crossover Trial Comparing Hemodynamic Optimization Against Echocardiographic Optimization of AV and VV Delay of Cardiac Resynchronization Therapy. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1407-1416.	5.3	20
42	Automatic detection of end-diastolic and end-systolic frames in 2D echocardiography. <i>Echocardiography</i> , 2017, 34, 956-967.	0.9	17
43	Prognostic significance of troponin level in 3121 patients presenting with atrial fibrillation (The NIHR Tj ETQq1 1 0.784314 rgBT /Overl... e013684.	3.7	16
44	Open-source, vendor-independent, automated multi-beat tissue Doppler echocardiography analysis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1135-1148.	1.5	12
45	Meta-Analysis of Randomized Controlled Trials of Atrial Fibrillation Ablation With Pulmonary Vein Isolation Versus Without. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 968-976.	3.2	12
46	Automated Left Ventricular Dimension Assessment Using Artificial Intelligence Developed and Validated by a UK-Wide Collaborative. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011951.	2.6	12
47	Diagnostic role of head-up tilt test in patients with cough syncope. <i>Europace</i> , 2016, 18, 1273-1279.	1.7	11
48	How achievable are COVID-19 clinical trial recruitment targets? A UK observational cohort study and trials registry analysis. <i>BMJ Open</i> , 2020, 10, e044566.	1.9	11
49	Discriminating electrocardiographic responses to His-bundle pacing using machine learning. <i>Cardiovascular Digital Health Journal</i> , 2020, 1, 11-20.	1.3	10
50	Left ventricular activation time and pattern are preserved with both selective and nonselective His bundle pacing. <i>Heart Rhythm O2</i> , 2021, 2, 439-445.	1.7	9
51	Atrioventricular delay optimization of cardiac resynchronisation therapy: Comparison of non-invasive blood pressure with invasive haemodynamic measures. <i>International Journal of Cardiology</i> , 2015, 180, 221-222.	1.7	7
52	Frame rate required for speckle tracking echocardiography: A quantitative clinical study with open-source, vendor-independent software. <i>International Journal of Cardiology</i> , 2016, 218, 31-36.	1.7	7
53	How to deliver personalized cardiac resynchronization therapy through the precise measurement of the acute hemodynamic response: Insights from the iSpot trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1610-1619.	1.7	7
54	Quantification of Electromechanical Coupling to Prevent Inappropriate Implantable Cardioverter-Defibrillator Shocks. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 705-715.	3.2	7

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55	Improving the Design of Future PCI Trials for Stable Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 76, 435-450.	2.8	7
56	Electrocardiographic predictors of successful resynchronization of left bundle branch block by His bundle pacing. Journal of Cardiovascular Electrophysiology, 2021, 32, 428-438.	1.7	7
57	RETRO-MAPPING: A New Approach to Activation Mapping in Persistent Atrial Fibrillation Reveals Evidence of Spatiotemporal Stability. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009602.	4.8	7
58	Difference in functional assessment of individual stenosis severity in serial coronary lesions between resting and hyperemic pressure-wire pullback: Insights from the GIFT registry. International Journal of Cardiology, 2020, 312, 10-15.	1.7	6
59	Placebo-Controlled Efficacy of Percutaneous Coronary Intervention for Focal and Diffuse Patterns of Stable Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2021, 14, e009891.	3.9	6
60	A long-term follow-up of patients with prolonged asystole of greater than 15s on head-up tilt testing. International Journal of Cardiology, 2016, 203, 482-485.	1.7	5
61	Right ventricular pacing for hypertrophic obstructive cardiomyopathy: meta-analysis and meta-regression of clinical trials. European Heart Journal Quality of Care & Clinical Outcomes, 2019, 5, 321-333.	4.0	5
62	Daily angina documentation versus subsequent recall: development of a symptom smartphone app. European Heart Journal Digital Health, 2022, 3, 276-283.	1.7	4
63	Within-patient comparison of His-bundle pacing, right ventricular pacing, and right ventricular pacing avoidance algorithms in patients with PR prolongation: Acute hemodynamic study. Journal of Cardiovascular Electrophysiology, 2020, 31, 2964-2974.	1.7	3
64	Basic Principles of Hemodynamics in Pacing. Cardiac Electrophysiology Clinics, 2022, 14, 133-140.	1.7	3
65	Controversies in revascularisation for stable coronary artery disease. Clinical Medicine, 2021, 21, 114-118.	1.9	2
66	Automated speckle tracking algorithm to aid on-axis imaging in echocardiography. Journal of Medical Imaging, 2014, 1, 037001.	1.5	1
67	Optimizing atrio-ventricular delay in pacemakers using potentially implantable physiological biomarkers. PACE - Pacing and Clinical Electrophysiology, 2022, 45, 461-470.	1.2	1