Baldeep Sidhu

List of Publications by Year
in descending order

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58	725	567281	677142
papers	citations	15 h-index	22 g-index

59	59	59	646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding non-response to cardiac resynchronisation therapy: common problems and potential solutions. Heart Failure Reviews, 2019, 24, 41-54.	3.9	59
2	A publicly available virtual cohort of four-chamber heart meshes for cardiac electro-mechanics simulations. PLoS ONE, 2020, 15, e0235145.	2.5	59
3	His-bundle and left bundle pacing with optimized atrioventricular delay achieve superior electrical synchrony over endocardial and epicardial pacing in left bundle branch block patients. Heart Rhythm, 2020, 17, 1922-1929.	0.7	44
4	Pacing in proximity to scar during cardiac resynchronization therapy increases local dispersion of repolarization and susceptibility to ventricular arrhythmogenesis. Heart Rhythm, 2019, 16, 1475-1483.	0.7	42
5	Risk stratification of patients undergoing transvenous lead extraction with the ELECTRa Registry Outcome Score (EROS): an ESC EHRA EORP European lead extraction ConTRolled ELECTRa registry analysis. Europace, 2021, 23, 1462-1471.	1.7	38
6	Mean entropy predicts implantable cardioverter-defibrillator therapy using cardiac magnetic resonance texture analysis of scar heterogeneity. Heart Rhythm, 2019, 16, 1242-1250.	0.7	24
7	Beat-to-Beat Variability of Ventricular Action Potential Duration Oscillates at Low Frequency During Sympathetic Provocation in Humans. Frontiers in Physiology, 2018, 9, 147.	2.8	22
8	The effect of centre volume and procedure location on major complications and mortality from transvenous lead extraction: an ESC EHRA EORP European Lead Extraction ConTRolled ELECTRa registry subanalysis. Europace, 2020, 22, 1718-1728.	1.7	22
9	Completely Leadless Cardiac Resynchronization Defibrillator System. JACC: Clinical Electrophysiology, 2020, 6, 588-589.	3.2	21
10	Predictors of mortality and outcomes in transvenous lead extraction for systemic and local infection cohorts. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 73-84.	1.2	20
11	Guidance for Optimal Site Selection of a Leadless Left Ventricular Endocardial Electrode Improves Acute Hemodynamic Response and Chronic Remodeling. JACC: Clinical Electrophysiology, 2018, 4, 860-868.	3.2	19
12	Long-term survival following transvenous lead extraction: Importance of indication and comorbidities. Heart Rhythm, 2021, 18, 1566-1576.	0.7	19
13	Leadless left ventricular endocardial pacing in nonresponders to conventional cardiac resynchronization therapy. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 966-973.	1.2	17
14	Chronic Right Ventricular Pacing in the Heart Failure Population. Current Heart Failure Reports, 2018, 15, 61-69.	3.3	16
15	The role of transvenous lead extraction in the management of redundant or malfunctioning pacemaker and defibrillator leads post ELECTRa. Europace, 2018, 20, 1733-1740.	1.7	16
16	Left ventricular endocardial pacing is less arrhythmogenic than conventional epicardial pacing when pacing in proximity to scar. Heart Rhythm, 2020, 17, 1262-1270.	0.7	16
17	Sex-Dependent QRS Guidelines for Cardiac Resynchronization Therapy Using Computer Model Predictions. Biophysical Journal, 2019, 117, 2375-2381.	0.5	14
18	Feasibility of intraprocedural integration of cardiac CT to guide left ventricular lead implantation for CRT upgrades. Journal of Cardiovascular Electrophysiology, 2021, 32, 802-812.	1.7	14

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19	Interpretable Deep Models for Cardiac Resynchronisation Therapy Response Prediction. Lecture Notes in Computer Science, 2020, 2020, 284-293.	1.3	14
20	Optimal site selection and image fusion guidance technology to facilitate cardiac resynchronization therapy. Expert Review of Medical Devices, 2018, 15, 555-570.	2.8	13
21	Prolonged lead dwell time and lead burden predict bailout transfemoral lead extraction. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 1355-1364.	1.2	13
22	Combined computed tomographic perfusion and mechanics with predicted activation pattern can successfully guide implantation of a wireless endocardial pacing system. Europace, 2020, 22, 298.	1.7	13
23	Leadless left ventricular endocardial pacing for CRT upgrades in previously failed and high-risk patients in comparison with coronary sinus CRT upgrades. Europace, 2021, 23, 1577-1585.	1.7	13
24	Leadless left ventricular endocardial pacing for cardiac resynchronization therapy: A systematic review and meta-analysis. Heart Rhythm, 2022, 19, 1176-1183.	0.7	13
25	Automated Left Ventricle Ischemic Scar Detection in CT Using Deep Neural Networks. Frontiers in Cardiovascular Medicine, 2021, 8, 655252.	2.4	12
26	Optimization of CRT programming using nonâ€invasive electrocardiographic imaging to assess the acute electrical effects of multipoint pacing. Journal of Arrhythmia, 2019, 35, 267-275.	1.2	11
27	Left ventricular activation-recovery interval variability predicts spontaneous ventricular tachyarrhythmia in patients with heart failure. Heart Rhythm, 2019, 16, 702-709.	0.7	11
28	Transvenous lead extraction in patients with cardiac resynchronization therapy devices is not associated with increased 30-day mortality. Europace, 2019, 21, 928-936.	1.7	10
29	Multipoint pacing for cardiac resynchronisation therapy in patients with heart failure: A systematic review and metaâ€analysis. Journal of Cardiovascular Electrophysiology, 2021, 32, 2577-2589.	1.7	10
30	Technical feasibility of leadless left bundle branch area pacing for cardiac resynchronisation: a case series. European Heart Journal - Case Reports, 2021, 5, ytab379.	0.6	10
31	A multimodal deep learning model for cardiac resynchronisation therapy response prediction. Medical Image Analysis, 2022, 79, 102465.	11.6	8
32	Comparison of Echocardiographic and Electrocardiographic Mapping for Cardiac Resynchronisation Therapy Optimisation. Cardiology Research and Practice, 2019, 2019, 1-9.	1.1	7
33	Complex Interaction Between Low-Frequency APD Oscillations and Beat-to-Beat APD Variability in Humans Is Governed by the Sympathetic Nervous System. Frontiers in Physiology, 2019, 10, 1582.	2.8	7
34	First-Phase Ejection Fraction Predicts Response to Cardiac Resynchronization Therapy and Adverse Outcomes. JACC: Cardiovascular Imaging, 2021, 14, 2275-2285.	5.3	7
35	Complications associated with cardiac resynchronization therapy upgrades versusde novoimplantations. Expert Review of Cardiovascular Therapy, 2018, 16, 607-615.	1.5	6
36	Economic evaluation of a dedicated cardiac resynchronisation therapy preassessment clinic. Open Heart, 2020, 7, e001249.	2.3	6

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37	Financial and resource costs of transvenous lead extraction in a high-volume lead extraction centre. Heart, 2020, 106, 931-937.	2.9	6
38	Tracking the motion of intracardiac structures aids the development of future leadless pacing systems. Journal of Cardiovascular Electrophysiology, 2020, 31, 2431-2439.	1.7	6
39	Noninvasive electrocardiographic assessment of ventricular activation and remodeling response to cardiac resynchronization therapy. Heart Rhythm O2, 2021, 2, 12-18.	1.7	6
40	The importance of leadless pacemaker positioning in relation to subcutaneous implantable cardioverter-defibrillator sensing in completely leadless cardiac resynchronization and defibrillation systems. HeartRhythm Case Reports, 2021, 7, 628-632.	0.4	5
41	Atrial fibrillation in cardiac resynchronization therapy. Heart Rhythm O2, 2021, 2, 784-795.	1.7	5
42	Machine learningâ€“derived major adverse event prediction of patients undergoing transvenous lead extraction: Using the ESC EHRA EORP European lead extraction ConTRolled ELECTRa registry. Heart Rhythm, 2022, 19, 885-893.	0.7	5
43	Leadless Left Bundle Branch Area Pacing in Cardiac Resynchronisation Therapy: Advances, Challenges and Future Directions. Frontiers in Physiology, 0, 13, .	2.8	5
44	Evidence of reverse electrical remodelling by non-invasive electrocardiographic imaging to assess acute and chronic changes in bulk ventricular activation following cardiac resynchronisation therapy. Journal of Electrocardiology, 2020, 58, 96-102.	0.9	4
45	Non-invasive simulated electrical and measured mechanical indices predict response to cardiac resynchronization therapy. Computers in Biology and Medicine, 2021, 138, 104872.	7.0	4
46	High mean entropy calculated from cardiac MRI texture analysis is associated with antitachycardia pacing failure. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 737-745.	1.2	3
47	Endocardial left ventricular pacing. Herz, 2021, 46, 526-532.	1.1	3
48	Multi-lead pacing for cardiac resynchronization therapy in heart failure: a meta-analysis of randomized controlled trials. European Heart Journal Open, 2022, 2, .	2.3	2
49	Chronic ventricular lead perforation: Expect the unexpected. Clinical Case Reports (discontinued), 2019, 7, 465-468.	0.5	1
50	The effect of centre volume and procedure location on major complications and mortality from transvenous lead extraction: an ESC EHRA EORP European Lead Extraction ConTRolled ELECTRa Registry subanalysisâ€"Authorâ€™s reply. Europace, 2021, 23, 1149-1150.	1.7	1
51	Leadless Left Ventricular Endocardial Pacing and Left Bundle Branch Area Pacing for Cardiac Resynchronisation Therapy. Arrhythmia and Electrophysiology Review, 2021, 10, 45-50.	2.4	1
52	Clinical effectiveness of a dedicated cardiac resynchronization therapy pre-assessment clinic incorporating cardiac magnetic resonance imaging and cardiopulmonary exercise testing on patient selection and outcomes. IJC Heart and Vasculature, 2021, 34, 100800.	1.1	1
53	â€œIs multipoint pacing superior to optimized singleâ€point pacing?â€â€"Authors' reply. Journal of Cardiovascular Electrophysiology, 2021, 32, 3280-3281.	1.7	1
54	Variation in activation time during bipolar vs extended bipolar left ventricular pacing. Journal of Cardiovascular Electrophysiology, 2018, 29, 1675-1681.	1.7	0

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55	Successful percutaneous femoral extraction of a detached tricuspid valveâ€inâ€valve balloon delivery system. Clinical Case Reports (discontinued), 2019, 7, 1577-1581.	0.5	0
56	Building Models of Patient-Specific Anatomy and Scar Morphology from Clinical MRI Data. , 2021, , 453-461.		0
57	The physiological effects of cardiac resynchronization therapy on aortic and pulmonary flow and dynamic and static components of systemic impedance. Heart Rhythm O2, 2021, 2, 365-373.	1.7	0
58	The effect of scar and pacing location on repolarization in a porcine myocardial infarction model. Heart Rhythm O2, 2022, 3, 186-195.	1.7	0