RenÃ© van Es

List of Publications by Year
in descending order

45 papers	898 citations	567281 15 h-index	477307 29 g-index
48 all docs	48 docs citations	48 times ranked	865 citing authors

#	Article	IF	Citations
1	Acute and Long-Term Effects of Full-Power Electroporation Ablation Directly on the Porcine Esophagus. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	127
2	Electroporation and its Relevance for Cardiac Catheter Ablation. JACC: Clinical Electrophysiology, 2018, 4, 977-986.	3.2	81
3	Safety and Feasibility of Closed Chest Epicardial Catheter Ablation Using Electroporation. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 913-919.	4.8	77
4	Pulmonary Vein Isolation With Single Pulse Irreversible Electroporation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008192.	4.8	62
5	Distinct fibrosis pattern in desmosomal and phospholamban mutation carriers in hereditary cardiomyopathies. Heart Rhythm, 2017, 14, 1024-1032.	0.7	59
6	Epicardial linear electroporation ablation and lesion size. Heart Rhythm, 2014, 11, 1465-1470.	0.7	55
7	Myocardial Lesion Size After Epicardial Electroporation Catheter Ablation After Subxiphoid Puncture. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 728-733.	4.8	52
8	Right Ventricular Imaging and Computer Simulation for Electromechanical Substrate Characterization in Arrhythmogenic Right Ventricular Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 2185-2197.	2.8	52
9	Automatic Triage of 12â€Lead ECGs Using Deep Convolutional Neural Networks. Journal of the American Heart Association, 2020, 9, e015138.	3.7	42
10	High-frequency irreversible electroporation for cardiac ablation using an asymmetrical waveform. BioMedical Engineering OnLine, 2019, 18, 75.	2.7	34
11	High Resolution Systematic Digital Histological Quantification of Cardiac Fibrosis and Adipose Tissue in Phospholamban p.Arg14del Mutation Associated Cardiomyopathy. PLoS ONE, 2014, 9, e94820.	2.5	30
12	Discovering and Visualizing Disease-Specific Electrocardiogram Features Using Deep Learning. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009056.	4.8	29
13	In vitro analysis of the origin and characteristics of gaseous microemboli during catheter electroporation ablation. Journal of Cardiovascular Electrophysiology, 2019, 30, 2071-2079.	1.7	26
14	Big Data and Artificial Intelligence: Opportunities and Threats in Electrophysiology. Arrhythmia and Electrophysiology Review, 2020, 9, 146-154.	2.4	22
15	Uncertainty estimation for deep learning-based automated analysis of 12-lead electrocardiograms. European Heart Journal Digital Health, 2021, 2, 401-415.	1.7	16
16	Novel method for electrode-tissue contact measurement with multi-electrode catheters. Europace, 2018, 20, 149-156.	1.7	15
17	<i>In vivo</i>analysis of the origin and characteristics of gaseous microemboli during catheter-mediated irreversible electroporation. Europace, 2021, 23, 139-146.	1.7	13
18	Safety and feasibility of arterial wall targeting with robot-assisted high intensity focused ultrasound: a preclinical study. International Journal of Hyperthermia, 2020, 37, 903-912.	2.5	11

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19	Three dimensional fusion of electromechanical mapping and magnetic resonance imaging for real-time navigation of intramyocardial cell injections in a porcine model of chronic myocardial infarction. International Journal of Cardiovascular Imaging, 2016, 32, 833-843.	1.5	10
20	A systematic comparison of cardiovascular magnetic resonance and high resolution histological fibrosis quantification in a chronic porcine infarct model. International Journal of Cardiovascular Imaging, 2017, 33, 1797-1807.	1.5	10
21	Life-threatening ventricular arrhythmia prediction in patients with dilated cardiomyopathy using explainable electrocardiogram-based deep neural networks. Europace, 2022, 24, 1645-1654.	1.7	10
22	Validation of a novel stand-alone software tool for image guided cardiac catheter therapy. International Journal of Cardiovascular Imaging, 2019, 35, 225-235.	1.5	7
23	Efficacy of multi-electrode linear irreversible electroporation. Europace, 2021, 23, 464-468.	1.7	6
24	Deep neural networks reveal novel sex-specific electrocardiographic features relevant for mortality risk. European Heart Journal Digital Health, 2022, 3, 245-254.	1.7	6
25	Electrocardiogram-based mortality prediction in patients with COVID-19 using machine learning. Netherlands Heart Journal, 2022, 30, 312-318.	0.8	6
26	Multimodality infarct identification for optimal image-guided intramyocardial cell injections. Netherlands Heart Journal, 2014, 22, 493-500.	0.8	5
27	3D Myocardial Scar Prediction Model Derived from Multimodality Analysis of Electromechanical Mapping and Magnetic Resonance Imaging. Journal of Cardiovascular Translational Research, 2019, 12, 517-527.	2.4	4
28	Characteristics and time course of acute and chronic myocardial lesion formation after electroporation ablation in the porcine model. Journal of Cardiovascular Electrophysiology, 2022, 33, 360-367.	1.7	4
29	Artificial Intelligence to Improve Risk Prediction with Nuclear Cardiac Studies. Current Cardiology Reports, 2022, 24, 307-316.	2.9	4
30	Feasibility of Linear Irreversible Electroporation Ablation in the Coronary Sinus. Cardiovascular Engineering and Technology, 2023, 14, 60-66.	1.6	4
31	3D Hybrid Imaging for Structural and Congenital Heart Interventions in the Cath Lab. Structural Heart, 2018, 2, 362-371.	0.6	3
32	3D Whole-heart Myocardial Tissue Analysis. Journal of Visualized Experiments, 2017, , .	0.3	2
33	Development of an algorithm for automatic classification of right ventricle deformation patterns in arrhythmogenic right ventricular cardiomyopathy. Echocardiography, 2020, 37, 698-705.	0.9	2
34	Misclassification of sex by deep neural networks reveals novel ECG characteristics that explain a higher risk of mortality in women and in men. European Heart Journal, 2021, 42, .	2.2	2
35	Safety and feasibility study of non-invasive robot-assisted high-intensity focused ultrasound therapy for the treatment of atherosclerotic plaques in the femoral artery: protocol for a pilot study. BMJ Open, 2022, 12, e058418.	1.9	2
36	Real-time correction of respiratory-induced cardiac motion during electroanatomical mapping procedures. Medical and Biological Engineering and Computing, 2016, 54, 1741-1749.	2.8	1

#	Article	IF	Citations
37	Automated Diagnosis of Reduced-Lead Electrocardiograms Using a Shared Classifier. , 2021, , .		1
38	PO-658-01 EXPLAINABLE DEEP LEARNING OUTPERFORMS GUIDELINE CRITERIA FOR PREDICTION OF CARDIAC RESYNCHRONIZATION THERAPY OUTCOME. Heart Rhythm, 2022, 19, S274-S275.	0.7	1
39	Reply. JACC: Clinical Electrophysiology, 2018, 4, 1482-1483.	3.2	0
40	250Efficacy of multi-electrode linear irreversible electroporation. Europace, 2020, 22, .	1.7	0
41	Electrocardiogram-based mortality prediction in patients with COVID-19 using machine learning. Europace, 2021, 23, .	1.7	0
42	Pulmonary vein isolation by irreversible electroporation: an efficacy and safety study in 20 patients with atrial fibrillation. Europace, 2021, 23, .	1.7	0
43	Interpretable uncertainty estimation for automated triage of 12-lead electrocardiogram using deep convolutional neural networks. European Heart Journal, 2021, 42, .	2.2	0
44	PO-631-07 A NOVEL METHOD FOR EXPLAINABLE DEEP NEURAL NETWORK-BASED INTERPRETATION OF ELECTROCARDIOGRAMS USING VARIATIONAL AUTO-ENCODERS: THE FACTORECG. Heart Rhythm, 2022, 19, S170-S171.	0.7	0
45	Explainable deep learning outperforms guideline criteria and QRSarea for prediction of outcome after cardiac resynchronization therapy. Europace, 2022, 24, .	1.7	0