

Zdeněk Stárek

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

405
citations

933410

10
h-index

839512

18
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48
all docs

48
docs citations

48
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy and safety of novel temperature-controlled radiofrequency ablation system during pulmonary vein isolation in patients with paroxysmal atrial fibrillation: TRAC-AF study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 64, 375-381.	1.3	7
2	Reduced Radiation Exposure Protocol during Computer Tomography of the Left Atrium Prior to Catheter Ablation in Patients with Atrial Fibrillation. <i>Diagnostics</i> , 2022, 12, 612.	2.6	1
3	Left atrium phasic impairments in paroxysmal atrial fibrillation patients assessed by cardiovascular magnetic resonance feature tracking. <i>Scientific Reports</i> , 2022, 12, 7539.	3.3	3
4	Local electromechanical alterations determine the left ventricle rotational dynamics in CRT-eligible heart failure patients. <i>Scientific Reports</i> , 2021, 11, 3267.	3.3	4
5	A Novel Temperature-Controlled Radiofrequency Catheter Ablation System Used to Treat Patients With Paroxysmal Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 352-363.	3.2	33
6	Widespread and sustained target engagement in Huntingtonâ€™s disease minipigs upon intrastriatal microRNA-based gene therapy. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	28
7	Correlation between electromechanical parameters (NOGA XP) and changes of myocardial ischemia in patients with refractory angina. <i>Postepy W Kardiologii Interwencyjnej</i> , 2021, 17, 281-289.	0.2	1
8	Numerical Modeling of Electroporation Process Using Endocardial Catheter. <i>IFMBE Proceedings</i> , 2021, , 896-904.	0.3	0
9	Cardiac Arrhythmias Classification in Kardiovizie Population Study. , 2021, , .		0
10	Segmentation of Atrial Electrical Activity in Intracardiac Electrograms (IECGs) Using Convolutional Neural Network (CNN) Trained on Small Imbalanced Dataset. , 2021, , .		0
11	Aminophylline Induces Two Types of Arrhythmic Events in Human Pluripotent Stem Cellâ€™Derived Cardiomyocytes. <i>Frontiers in Pharmacology</i> , 2021, 12, 789730.	3.5	2
12	AC Pulsed Field Ablation Is Feasible and Safe in Atrial and Ventricular Settings: A Proof-of-Concept Chronic Animal Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 552357.	4.1	23
13	Bipolar ablation with contact forceâ€™sensing of swine ventricles shows improved acute lesion features compared to sequential unipolar ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1128-1136.	1.7	12
14	Non-coding RNAs and Cardiac Arrhythmias. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 287-300.	1.6	5
15	Comparison of atrial fibrillation ablation efficacy using remote magnetic navigation vs. manual navigation with contact-force control. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2020, 164, 387-393.	0.6	3
16	Serum Concentrations of Osteogenesis/Osteolysis-Related Factors and Micro-RNA Expression in ST-Elevation Myocardial Infarction. <i>Cardiology Research and Practice</i> , 2019, 2019, 1-7.	1.1	2
17	Remotely Navigated Ablations in Ventricle Myocardium Result in Acute Lesion Size Comparable to Force-Sensing Manual Navigation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007644.	4.8	8
18	Comparing the incidence of ventricular arrhythmias during epicardial ablation in swine versus canine models. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 862-867.	1.2	9

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19	Nanotechnology and stem cells in vascular biology. <i>Vascular Biology</i> (Bristol, England), 2019, 1, H103-H109.	3.2	1
20	Irreversible electroporation ablation for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 643-651.	1.7	48
21	Irreversible electroporationâ€”Let's keep it cool. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, E12.	1.7	0
22	Esophageal positions relative to the left atrium; data from 293 patients before catheter ablation of atrial fibrillation. <i>Indian Heart Journal</i> , 2018, 70, 37-44.	0.5	6
23	Phase II randomized sham-controlled study of renal denervation for individuals with uncontrolled hypertension â€” WAVE IV. <i>Journal of Hypertension</i> , 2018, 36, 680-689.	0.5	40
24	Feasibility of directional percutaneous epicardial ablation with a partially insulated catheter. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2018, 53, 105-113.	1.3	3
25	Use of Bipolar Radiofrequency Catheter Ablation in the Treatment of Cardiac Arrhythmias. <i>Current Cardiology Reviews</i> , 2018, 14, 185-191.	1.5	9
26	Effects of trans-endocardial delivery of bone marrow-derived CD133+ cells on angina and quality of life in patients with refractory angina: A sub-analysis of the REGENT-VSEL trial. <i>Cardiology Journal</i> , 2018, 25, 521-529.	1.2	5
27	Advances In Mesenchymal Stem Cell Application for Cardiovascular Disease Treatment. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 1-36.	0.4	0
28	Nanorobotic Agents and Their Biomedical Applications. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 37-61.	0.4	0
29	Prevalence and Predictors of Early Heart Failure With Preserved Ejection Fraction in Patients With Paroxysmal Atrial Fibrillation. <i>Journal of Cardiac Failure</i> , 2017, 23, 558-562.	1.7	23
30	Innovative Diagnostics and Treatment: Nanorobotics and Stem Cells. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , .	0.4	1
31	Three-dimensional rotational angiography of the left atrium and the oesophagus: the short-term mobility of the oesophagus and the stability of the fused three-dimensional model of the left atrium and the oesophagus during catheter ablation for atrial fibrillation. <i>Europace</i> , 2017, 19, 1310-1316.	1.7	5
32	Phenotypic assays for analyses of pluripotent stem cellâ€”derived cardiomyocytes. <i>Journal of Molecular Recognition</i> , 2017, 30, e2602.	2.1	15
33	A Novel Defibrillation Tool. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 747-755.	3.2	7
34	Improvement in the prediction of exerciseâ€”induced elevation of left ventricular filling pressure in patients with normal left ventricular ejection fraction. <i>Echocardiography</i> , 2017, 34, 78-86.	0.9	1
35	Periprocedural 3D imaging of the left atrium and esophagus: comparison of different protocols of 3D rotational angiography of the left atrium and esophagus in group of 547 consecutive patients undergoing catheter ablation of the complex atrial arrhythmias. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1011-1019.	1.5	5
36	Externally Delivered Focused Ultrasoundâ€”for Renal Denervation. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 1292-1299.	2.9	29

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37	Long-term mobility of the esophagus in patients undergoing catheter ablation of atrial fibrillation: data from computer tomography and 3D rotational angiography of the left atrium. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 46, 81-87.	1.3	6
38	Complex electrophysiology intervention in a patient with an inferior vena cava filter. <i>Cor Et Vasa</i> , 2015, 57, e341-e346.	0.1	5
39	Rotational angiography of left ventricle to guide ventricular tachycardia ablation. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 899-904.	1.5	5
40	Percutaneous Epicardial Pacing Using a Novel Insulated Multi-Electrode Lead. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 273-283.	3.2	9
41	Comparison of clinical outcomes and safety of catheter ablation for atrial fibrillation supported by data from CT scan or three-dimensional rotational angiogram of left atrium and pulmonary veins. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> . 2015, 159, 622-628.	0.6	11
42	3D X-ray imaging methods in support catheter ablations of cardiac arrhythmias. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1207-1223.	1.5	8
43	TCT-412 Non-invasive Renal Denervation Using Externally Delivered Focused Ultrasound: Early Experience Using Doppler based Imaging Tracking and Targeting for Treatment. <i>Journal of the American College of Cardiology</i> , 2014, 64, B121.	2.8	6
44	Hybrid Therapy in the Management of Atrial Fibrillation. <i>Current Cardiology Reviews</i> , 2014, 11, 167-179.	1.5	2
45	TCT-61 Optimized External Focused Ultrasound for Renal Sympathetic Denervation - Wave II trial. <i>Journal of the American College of Cardiology</i> , 2013, 62, B20.	2.8	12
46	Signs of hemodynamically significant myocardial ischemia as a complication of transseptal puncture in catheter ablation of atrial fibrillation. <i>Cor Et Vasa</i> , 2012, 54, e264-e269.	0.1	0