

Zdeněk Stárek

List of Publications by Year in descending order

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46
papers

405
citations

933447

10
h-index

839539

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. Journal of Interventional Cardiac Electrophysiology, 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. Diagnostics, 2022, 12, 612.	2.6	1
3	Left atrium phasic impairments in paroxysmal atrial fibrillation patients assessed by cardiovascular magnetic resonance feature tracking. Scientific Reports, 2022, 12, 7539.	3.3	3
4	Local electromechanical alterations determine the left ventricle rotational dynamics in CRT-eligible heart failure patients. Scientific Reports, 2021, 11, 3267.	3.3	4
5	A Novel Temperature-Controlled Radiofrequency Catheter Ablation System Used to Treat Patients With Paroxysmal Atrial Fibrillation. JACC: Clinical Electrophysiology, 2021, 7, 352-363.	3.2	33
6	Widespread and sustained target engagement in Huntington's disease minipigs upon intrastriatal microRNA-based gene therapy. Science Translational Medicine, 2021, 13, .	12.4	28
7	Correlation between electromechanical parameters (NOGA XP) and changes of myocardial ischemia in patients with refractory angina. Postępy W Kardiologii Interwencyjnej, 2021, 17, 281-289.	0.2	1
8	Numerical Modeling of Electroporation Process Using Endocardial Catheter. IFMBE Proceedings, 2021, , 896-904.	0.3	0
9	Cardiac Arrhythmias Classification in KardioVize 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 Cell-Derived Cardiomyocytes. Frontiers in Pharmacology, 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. Frontiers in Bioengineering and Biotechnology, 2020, 8, 552357.	4.1	23
13	Bipolar ablation with contact force-sensing of swine ventricles shows improved acute lesion features compared to sequential unipolar ablation. Journal of Cardiovascular Electrophysiology, 2020, 31, 1128-1136.	1.7	12
14	Non-coding RNAs and Cardiac Arrhythmias. Advances in Experimental Medicine and Biology, 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. Biomedical Papers of the Medical Faculty of the University Palacký́, Olomouc, Czechoslovakia, 2020, 164, 387-393.	0.6	3
16	Serum Concentrations of Osteogenesis/Osteolysis-Related Factors and Micro-RNA Expression in ST-Elevation Myocardial Infarction. Cardiology Research and Practice, 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. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007644.	4.8	8
18	Comparing the incidence of ventricular arrhythmias during epicardial ablation in swine versus canine models. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 862-867.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Nanotechnology and stem cells in vascular biology. Vascular Biology (Bristol, England), 2019, 1, H103-H109.	3.2	1
20	Irreversible electroporation ablation for atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2018, 29, 643-651.	1.7	48
21	Irreversible electroporation – Let's keep it cool. Journal of Cardiovascular Electrophysiology, 2018, 29, E12.	1.7	0
22	Esophageal positions relative to the left atrium; data from 293 patients before catheter ablation of atrial fibrillation. Indian Heart Journal, 2018, 70, 37-44.	0.5	6
23	Phase II randomized sham-controlled study of renal denervation for individuals with uncontrolled hypertension – WAVE IV. Journal of Hypertension, 2018, 36, 680-689.	0.5	40
24	Feasibility of directional percutaneous epicardial ablation with a partially insulated catheter. Journal of Interventional Cardiac Electrophysiology, 2018, 53, 105-113.	1.3	3
25	Use of Bipolar Radiofrequency Catheter Ablation in the Treatment of Cardiac Arrhythmias. Current Cardiology Reviews, 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. Cardiology Journal, 2018, 25, 521-529.	1.2	5
27	Advances In Mesenchymal Stem Cell Application for Cardiovascular Disease Treatment. SpringerBriefs in Applied Sciences and Technology, 2017, , 1-36.	0.4	0
28	Nanorobotic Agents and Their Biomedical Applications. SpringerBriefs in Applied Sciences and Technology, 2017, , 37-61.	0.4	0
29	Prevalence and Predictors of Early Heart Failure With Preserved Ejection Fraction in Patients With Paroxysmal Atrial Fibrillation. Journal of Cardiac Failure, 2017, 23, 558-562.	1.7	23
30	Innovative Diagnostics and Treatment: Nanorobotics and Stem Cells. SpringerBriefs in Applied Sciences and Technology, 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. Europace, 2017, 19, 1310-1316.	1.7	5
32	Phenotypic assays for analyses of pluripotent stem cell – derived cardiomyocytes. Journal of Molecular Recognition, 2017, 30, e2602.	2.1	15
33	A Novel Defibrillation Tool. JACC: Clinical Electrophysiology, 2017, 3, 747-755.	3.2	7
34	Improvement in the prediction of exercise – induced elevation of left ventricular filling pressure in patients with normal left ventricular ejection fraction. Echocardiography, 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. International Journal of Cardiovascular Imaging, 2016, 32, 1011-1019.	1.5	5
36	Externally Delivered Focused Ultrasound – for Renal Denervation. JACC: Cardiovascular Interventions, 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. Journal of Interventional Cardiac Electrophysiology, 2016, 46, 81-87.	1.3	6
38	Complex electrophysiology intervention in a patient with an inferior vena cava filter. Cor Et Vasa, 2015, 57, e341-e346.	0.1	5
39	Rotational angiography of left ventricle to guide ventricular tachycardia ablation. International Journal of Cardiovascular Imaging, 2015, 31, 899-904.	1.5	5
40	Percutaneous Epicardial Pacing Using a Novel Insulated Multi-Electrode Lead. JACC: Clinical Electrophysiology, 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. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia. 2015, 159, 622-628.	0.6	11
42	3D X-ray imaging methods in support catheter ablations of cardiac arrhythmias. International Journal of Cardiovascular Imaging, 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. Journal of the American College of Cardiology, 2014, 64, B121.	2.8	6
44	Hybrid Therapy in the Management of Atrial Fibrillation. Current Cardiology Reviews, 2014, 11, 167-179.	1.5	2
45	TCT-61 Optimized External Focused Ultrasound for Renal Sympathetic Denervation - Wave II trial. Journal of the American College of Cardiology, 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. Cor Et Vasa, 2012, 54, e264-e269.	0.1	0