Erwin StrÃ¶ker

List of Publications by Year in descending order

92 papers	1,364 citations	361296 20 h-index	434063 31 g-index
94 all docs	94 docs citations	94 times ranked	1341 citing authors

#	Article	IF	Citations
1	On the Quest for the Best Freeze. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1359-1365.	2.1	105
2	Electrophysiological findings following pulmonary vein isolation using radiofrequency catheter guided by contact-force and second-generation cryoballoon: lessons from repeat ablation procedures. Europace, 2016, 18, 71-77.	0.7	69
3	Single 3â€Minute versus Double 4â€Minute Freeze Strategy for Secondâ€Generation Cryoballoon Ablation: A Singleâ€Center Experience. Journal of Cardiovascular Electrophysiology, 2016, 27, 796-803.	0.8	66
4	Incidence and characteristics of complications in the setting of second-generation cryoballoon ablation: A large single-center study of 500 consecutive patients. Heart Rhythm, 2015, 12, 1476-1482.	0.3	61
5	Second-generation cryoballoon ablation in the setting of left common pulmonary veins: Procedural findings and clinical outcome. Heart Rhythm, 2017, 14, 1311-1318.	0.3	44
6	One-year follow-up after second-generation cryoballoon ablation for atrial fibrillation in a large cohort of patients: a single-centre experience. Europace, 2016, 18, 987-993.	0.7	43
7	Anatomic predictors of phrenic nerve injury in the setting of pulmonary vein isolation using the 28-mm second-generation cryoballoon. Heart Rhythm, 2016, 13, 342-351.	0.3	42
8	One Year Incidence of Atrial Septal Defect after PV Isolation: A Comparison Between Conventional Radiofrequency and Cryoballoon Ablation. PACE - Pacing and Clinical Electrophysiology, 2015, 38, 1049-1057.	0.5	38
9	Complications in the setting of percutaneous atrial fibrillation ablation using radiofrequency and cryoballoon techniques: A single-center study in a large cohort of patients. International Journal of Cardiology, 2015, 196, 42-49.	0.8	38
10	Second-generation cryoballoon ablation without the use of real-time recordings: A novel strategy based on a temperature-guided approach to ablation. Heart Rhythm, 2017, 14, 322-328.	0.3	38
11	Efficacy and safety of the second generation cryoballoon ablation for the treatment of paroxysmal atrial fibrillation in patients over 75 years: a comparison with a younger cohort. Europace, 2017, 19, 1798-1803.	0.7	37
12	Midterm clinical outcomes of concomitant thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation: a single-centre experience. Europace, 2017, 19, euw026.	0.7	31
13	Fluoroscopic position of the second-generation cryoballoon during ablation in the right superior pulmonary vein as a predictor of phrenic nerve injury. Europace, 2016, 18, 1179-1186.	0.7	26
14	Phrenic nerve injury during ablation with the second-generation cryoballoon: analysis of the temperature drop behaviour in a large cohort of patients. Europace, 2016, 18, 702-709.	0.7	25
15	Long-term outcome after second-generation cryoballoon ablation for paroxysmal atrial fibrillation - a 3-years follow-up. Journal of Interventional Cardiac Electrophysiology, 2017, 49, 93-100.	0.6	25
16	Improved visualisation of real-time recordings during third generation cryoballoon ablation: a comparison between the novel short-tip and the second generation device. Journal of Interventional Cardiac Electrophysiology, 2016, 46, 307-314.	0.6	23
17	Incidence of real-time recordings of pulmonary vein potentials using the third-generation short-tip cryoballoon. Europace, 2016, 18, 1158-1163.	0.7	23
18	Long-Term Follow-Up of Probands With Brugada Syndrome. American Journal of Cardiology, 2017, 119, 1392-1400.	0.7	23

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19	Value of ultrasound for access guidance and detection of subclinical vascular complications in the setting of atrial fibrillation cryoballoon ablation. Europace, 2019, 21, 434-439.	0.7	23
20	Prevalence and Clinical Impact of Early Repolarization Pattern and QRS-Fragmentation in High-Risk Patients With Brugada Syndrome. Circulation Journal, 2016, 80, 2109-2116.	0.7	22
21	Repeat Procedures After Hybrid Thoracoscopic Ablation in the Setting of Longstanding Persistent Atrial Fibrillation: Electrophysiological Findings and 2â€Year Clinical Outcome. Journal of Cardiovascular Electrophysiology, 2016, 27, 41-50.	0.8	21
22	Role of Electrocardiographic Tpeak-Tend for the Prediction of Ventricular Arrhythmic Events in the Brugada Syndrome. American Journal of Cardiology, 2017, 120, 1332-1337.	0.7	20
23	Phrenic nerve injury during right inferior pulmonary vein ablation with the second-generation cryoballoon: clinical, procedural, and anatomical characteristics. Europace, 2018, 20, e156-e163.	0.7	19
24	High-density epicardial mapping in Brugada syndrome: Depolarization and repolarization abnormalities. Heart Rhythm, 2022, 19, 397-404.	0.3	18
25	Hybrid thoracoscopic epicardial ablation of right ventricular outflow tract in patients with Brugada syndrome. Heart Rhythm, 2019, 16, 879-887.	0.3	17
26	Sinus Node Sparing Novel Hybrid Approach for Treatment of Inappropriate Sinus Tachycardia/Postural Orthostatic Sinus Tachycardia With New Electrophysiological Finding. American Journal of Cardiology, 2019, 124, 224-232.	0.7	16
27	Persistence of Phrenic Nerve Palsy Following 28â€mm Cryoballoon Ablation: A Fourâ€Year Single Center Experience. PACE - Pacing and Clinical Electrophysiology, 2015, 38, 807-814.	0.5	15
28	Evaluation of the luminal esophageal temperature behavior during left atrium posterior wall ablation by means of second-generation cryoballoon. Journal of Interventional Cardiac Electrophysiology, 2019, 55, 191-196.	0.6	15
29	Two-year follow-up of one-stage left unilateral thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2020, 58, 333-343.	0.6	15
30	Value of high-resolution mapping in optimizing cryoballoon ablation of atrial fibrillation. International Journal of Cardiology, 2018, 270, 136-142.	0.8	14
31	Long-Term Performance of the Riata/ST Implantable Cardioverterâ€“Defibrillator Lead. American Journal of Cardiology, 2016, 117, 807-812.	0.7	13
32	Single freeze per vein strategy with the second-generation cryoballoon for atrial fibrillation: a propensity score-matched study between 180- and 240-s application time in a large cohort of patients. Europace, 2018, 20, f377-f383.	0.7	12
33	Repeat procedures using the second-generation cryoballoon for recurrence of atrial fibrillation after initial ablation with conventional radiofrequency. Journal of Interventional Cardiac Electrophysiology, 2017, 49, 119-125.	0.6	11
34	Acute pericarditis following second-generation cryoballoon ablation for atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2018, 51, 279-284.	0.6	11
35	Overâ€theâ€needle transâ€septal access using the cryoballoon delivery sheath and dilator in atrial fibrillation ablation. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 868-873.	0.5	10
36	Predictors of durable electrical isolation in the setting of secondâ€generation cryoballoon ablation: A comparison between left superior, left inferior, right superior, and right inferior pulmonary veins. Journal of Cardiovascular Electrophysiology, 2020, 31, 128-136.	0.8	10

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37	Novel noncontact charge density map in the setting of post-atrial fibrillation atrial tachycardias: first experience with the Acutus SuperMap Algorithm. Journal of Interventional Cardiac Electrophysiology, 2021, 61, 187-195.	0.6	10
38	High parasympathetic activity as reflected by deceleration capacity predicts atrial fibrillation recurrence after repeated catheter ablation procedure. Journal of Interventional Cardiac Electrophysiology, 2021, 60, 21-29.	0.6	10
39	Single procedural outcomes in the setting of percutaneous ablation for persistent atrial fibrillation: a propensity-matched score comparison between different strategies. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 9-16.	0.6	10
40	Comparison between superior vena cava ablation in addition to pulmonary vein isolation and standard pulmonary vein isolation in patients with paroxysmal atrial fibrillation with the cryoballoon technique. Journal of Interventional Cardiac Electrophysiology, 2021, 62, 579-586.	0.6	10
41	The optimized clinical workflow for pulmonary vein isolation with the radiofrequency balloon. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 531-538.	0.6	10
42	SCN5A mutation in Brugada syndrome is associated with substrate severity detected by electrocardiographic imaging and high-density electroanatomic mapping. Heart Rhythm, 2022, 19, 945-951.	0.3	10
43	Secondâ€Generation Cryoballoon Ablation in the Setting of Lone Paroxysmal Atrial Fibrillation: Single Procedural Outcome at 12 Months. Journal of Cardiovascular Electrophysiology, 2016, 27, 677-682.	0.8	9
44	Exercise-related Brugada pattern and monomorphic ventricular tachycardia in a patient with Brugada syndrome: interplay between body temperature, haemodynamics and vagal activity. European Heart Journal, 2016, 37, 655-655.	1.0	9
45	Single freeze strategy with the second- generation cryballoon for atrial fibrillation: a multicenter international retrospective analysis in a large cohort of patients. Journal of Interventional Cardiac Electrophysiology, 2017, 49, 173-180.	0.6	9
46	Role of the burden of premature atrial contractions during the blanking period following second-generation cryoballoon ablation in predicting late recurrences of atrial arrhythmias. Journal of Interventional Cardiac Electrophysiology, 2017, 49, 329-335.	0.6	9
47	Second generation cryoballoon ablation for atrial fibrillation in young adults: midterm outcome in patients under 40 years of age. Europace, 2018, 20, 295-300.	0.7	9
48	Atrial fibrillation ablation with the second generation cryoballoon: Multicenter propensity score matched comparison between freezing strategies. International Journal of Cardiology, 2018, 253, 78-81.	0.8	9
49	Impact on Clinical Outcome of Premature Interruption of Cryoenergy Delivery Due to Phrenic Nerve Palsy During Second Generation Cryoballoon Ablation for Paroxysmal Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2015, 26, 950-955.	0.8	8
50	Long-term outcome of pulmonary vein isolation in patients with paroxysmal atrial fibrillation and Brugada syndrome. Europace, 2018, 20, 548-554.	0.7	8
51	Continuous monitoring after second-generation cryoballoon ablation for paroxysmal atrial fibrillation in patients with cardiac implantable electronic devices. Heart Rhythm, 2019, 16, 187-196.	0.3	8
52	Radiofrequency versus cryoballoon ablation for atrial fibrillation in the setting of left common pulmonary veins. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 1456-1462.	0.5	8
53	Electrocardiographic and clinical predictors of permanent pacemaker insertion following Perceval sutureless aortic valve implantation. Journal of Electrocardiology, 2019, 56, 10-14.	0.4	8
54	Long-term clinical outcomes after single freeze cryoballoon ablation for paroxysmal atrial fibrillation: a 5-year follow-up. Journal of Interventional Cardiac Electrophysiology, 2021, 61, 87-93.	0.6	8

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55	Sinus node sparing novel hybrid approach for treatment of inappropriate sinus tachycardia/postural sinus tachycardia: multicenter experience. Journal of Interventional Cardiac Electrophysiology, 2022, 63, 531-544.	0.6	8
56	High vagal tone predicts pulmonary vein reconnection after cryoballoon ablation for paroxysmal atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 2075-2083.	0.5	8
57	Durability of pulmonary vein isolation following cryoballoon ablation: Lessons from a large series of repeat ablation procedures. IJC Heart and Vasculature, 2022, 40, 101040.	0.6	8
58	Cryoballoon ablation during atrial fibrillation is associated with faster temperature drop and lower freezing temperatures. Journal of Interventional Cardiac Electrophysiology, 2016, 47, 357-364.	0.6	7
59	Comparison of the Incidences of Complications After Second-Generation Cryoballoon Ablation of Atrial Fibrillation Using Vitamin K Antagonists Versus Novel Oral Anticoagulants. American Journal of Cardiology, 2017, 120, 223-229.	0.7	7
60	Anatomical and procedural predictors of pulmonary vein stenosis in the setting of second-generation cryoballoon ablation. Journal of Cardiovascular Medicine, 2018, 19, 290-296.	0.6	7
61	Predictors of cardiac neuromodulation achieved by cryoballoon ablation performed in patients with atrial fibrillation who were in sinus rhythm before the ablation. International Journal of Cardiology, 2020, 310, 86-91.	0.8	7
62	Single 3-min freeze per vein ablation strategy with the second-generation cryoballoon for atrial fibrillation in a large cohort of patients: long term outcome after a single procedure. Journal of Interventional Cardiac Electrophysiology, 2018, 53, 81-89.	0.6	6
63	Anatomic predictors of late right inferior pulmonary vein reconnection in the setting of secondâ€generation cryoballoon ablation. Journal of Cardiovascular Electrophysiology, 2019, 30, 2294-2301.	0.8	6
64	Ajmaline Testing and the Brugada Syndrome. American Journal of Cardiology, 2020, 135, 91-98.	0.7	6
65	Safety and feasibility of electrical isolation of the superior vena cava in addition to pulmonary vein ablation for paroxysmal atrial fibrillation using the cryoballoon: lessons from a prospective study. Journal of Interventional Cardiac Electrophysiology, 2021, 60, 255-260.	0.6	6
66	Real-Time Recordings in Cryoballoon Pulmonary Veins Isolation: Comparison Between the 25mm and the 20mm Achieve Catheters. Journal of Atrial Fibrillation, 2018, 10, 1855.	0.5	6
67	Feasibility and safety of left atrial posterior wall isolation with a new Cryoballoon technology in patients with persistent atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2022, 45, 605-611.	0.5	6
68	Clinical value of induction protocol after second generation cryoballoon ablation for paroxysmal atrial fibrillation. Europace, 2018, 20, 778-785.	0.7	5
69	Substrate mapping of the left atrium in persistent atrial fibrillation: spatial correlation of localized complex conduction patterns in global charge-density maps to low-voltage areas in 3D contact bipolar voltage maps. Journal of Interventional Cardiac Electrophysiology, 2021, 62, 539-547.	0.6	5
70	Procedural Safety and Efficacy for Pulmonary Vein Isolation with the Novel Polarxâ„¢ Cryoablation System: A Propensity Score Matched Comparison with the Arctic Frontâ„¢ Cryoballoon in the Setting of Paroxysmal Atrial Fibrillation. Journal of Atrial Fibrillation, 2020, 14, 20200455.	0.5	5
71	Comparison between the novel diamond temp and the classical 8-mm tip ablation catheters in the setting of typical atrial flutter. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 751-757.	0.6	5
72	Implantable cardioverter defibrillator therapy in young individuals: comparison of conventional and subcostal approachesâ€"a single-centre experience. Europace, 2016, 19, euv455.	0.7	4

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73	Second-Generation Cryoballoon Ablation for Atrial Fibrillationã€€â€• A Detailed Analysis of the Impact of Left Atrial Volume Index on Clinical Outcome â€•. Circulation Journal, 2018, 83, 84-90.	0.7	4
74	Early repolarization pattern as a predictor of atrial fibrillation recurrence following radiofrequency pulmonary vein isolation. Annals of Noninvasive Electrocardiology, 2019, 24, e12627.	0.5	4
75	The assessment of pulmonary vein potentials using the new achieve advance during cryoballoon ablation of atrial fibrillation. Indian Pacing and Electrophysiology Journal, 2019, 19, 211-215.	0.3	4
76	Impact of an additional right pulmonary vein on second-generation cryoballoon ablation for atrial fibrillation: a propensity matched score study. Journal of Interventional Cardiac Electrophysiology, 2019, 54, 1-8.	0.6	4
77	Pulmonary veins anatomical determinants of cooling kinetics during secondâ€generation cryoballoon ablation. Journal of Cardiovascular Electrophysiology, 2020, 31, 629-637.	0.8	4
78	Temperature-guided ablation with the second-generation cryoballoon for paroxysmal atrial fibrillation: 3-year follow-up in a multicenter experience. Journal of Interventional Cardiac Electrophysiology, 2021, 61, 95-104.	0.6	4
79	Phrenic nerve palsy during right-sided pulmonary veins cryoapplications: new insights from pulmonary vein anatomy addressed by computed tomography. Journal of Interventional Cardiac Electrophysiology, 2021, 60, 85-92.	0.6	4
80	Repeat procedures after second-generation cryoballoon ablation as an index procedure for persistent atrial fibrillation: one-year follow-up. Journal of Interventional Cardiac Electrophysiology, 2016, 47, 365-371.	0.6	3
81	Impact of cryoballoon-guided pulmonary vein isolation on non-invasive autonomic tests in patients with paroxysmal atrial fibrillation. Indian Pacing and Electrophysiology Journal, 2019, 19, 171-177.	0.3	3
82	A novel strategy to treat vaso-vagal syncope: Cardiac neuromodulation by cryoballoon pulmonary vein isolation. Indian Pacing and Electrophysiology Journal, 2020, 20, 154-159.	0.3	3
83	Predictors of long-term outcome in patients undergoing a first repeat ablation consisting solely of re-isolation of reconnected pulmonary veins.. Journal of Atrial Fibrillation, 2019, 11, 2114.	0.5	2
84	Cryoballoon ablation in the presence of a large occlutech device. Acta Cardiologica, 2018, 73, 411-412.	0.3	1
85	Atrial Fibrillation Global Changes after Pulmonary Vein and Posterior Wall Isolation: A Charge Density Mapping Study. Journal of Clinical Medicine, 2022, 11, 2948.	1.0	1
86	A Battery Life beyond His â€œExpectancyâ€• PACE - Pacing and Clinical Electrophysiology, 2015, 38, 1228-1230.	0.5	0
87	Waking up a sleeping volcano: activation of an accessory pathway after aortic valve surgery:. Europace, 2015, 17, 1353-1353.	0.7	0
88	Common veins, common freezes. HeartRhythm Case Reports, 2018, 4, 264-265.	0.2	0
89	Cryoballoon ablation for the treatment of atrial fibrillation: Does it stand the test of time?. International Journal of Cardiology, 2018, 266, 151-152.	0.8	0
90	First experience with hybrid thoracoscopic ablation and noncontact dipole density mapping in the setting of long-term persistent atrial fibrillation. HeartRhythm Case Reports, 2019, 5, 304-305.	0.2	0

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91	Standardized Quantification of Vagal Denervation by Extracardiac Vagal Stimulation during Second Generation Cryoballoon ablation: a Vein per Vein Analysis. Journal of Atrial Fibrillation, 2019, 12, 2223.	0.5	0
92	Cryoballoon ablation of atrial fibrillation in a patient with partial anomalous pulmonary vein drainage in the superior vena cava.. HeartRhythm Case Reports, 2021, 8, 119-121.	0.2	0