Laurent Roten

List of Publications by Year in descending order

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127 3,763 31 58
papers citations h-index g-index

131 131 131 4238 all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Technical and procedural comparison of two different cryoballoon ablation systems in patients with atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 409-416.	0.6	12
2	Phenotypes of Chronic Covert Brain Infarction in Patients With First-Ever Ischemic Stroke: A Cohort Study. Stroke, 2022, 53, 558-568.	1.0	9
3	Letter by Meinel et al. regarding article, "Incidental findings on 3ÂT neuroimaging: crossâ€'sectional observations from the populationâ€'based Rhineland Study― Neuroradiology, 2022, 64, 429.	1.1	O
4	Silent brain infarcts impact on cognitive function in atrial fibrillation. European Heart Journal, 2022, 43, 2127-2135.	1.0	50
5	Watchman FLX vs. Watchman 2.5 in a Dual-Center Left Atrial Appendage Closure Cohort: the WATCH-DUAL study. Europace, 2022, 24, 1441-1450.	0.7	18
6	Long-term risk of adverse outcomes according to atrial fibrillation type. Scientific Reports, 2022, 12, 2208.	1.6	5
7	Validation of a multipolar pulsed-field ablation catheter for endpoint assessment in pulmonary vein isolation procedures. Europace, 2022, 24, 1248-1255.	0.7	16
8	Differences in Atrial Remodeling in Hypertrophic Cardiomyopathy Compared to Hypertensive Heart Disease and Athletes' Hearts. Journal of Clinical Medicine, 2022, 11, 1316.	1.0	4
9	Association between ventricular repolarization parameters and cardiovascular death in patients of the SWISS-AF cohort. International Journal of Cardiology, 2022, , .	0.8	0
10	Catheter Ablation of Atrial Fibrillation in Patients with Previous Lobectomy or Partial Lung Resection: Long-Term Results of an International Multicenter Study. Journal of Clinical Medicine, 2022, 11, 1481.	1.0	1
11	Leadless atrioventricular synchronous pacing in an outpatient setting: Early lessons learned on factors affecting atrioventricular synchrony. Heart Rhythm, 2022, 19, 748-756.	0.3	30
12	Dexmedetomidine versus propofol for operator-directed nurse-administered procedural sedation during catheter ablation of atrial fibrillation: A randomized controlled study. Heart Rhythm, 2022, 19, 691-700.	0.3	12
13	Multi-national survey on the methods, efficacy, and safety on the post-approval clinical use of pulsed field ablation (MANIFEST-PF). Europace, 2022, 24, 1256-1266.	0.7	115
14	Association of pulmonary vein isolation and major cardiovascular events in patients with atrial fibrillation. Clinical Research in Cardiology, 2022, , $1.$	1.5	1
15	Assessment of New Onset Arrhythmias After Transcatheter Aortic Valve Implantation Using an Implantable Cardiac Monitor. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	2
16	Evolution of tricuspid valve regurgitation after implantation of a leadless pacemaker: A single center experience, systematic review, and metaâ€analysis. Journal of Cardiovascular Electrophysiology, 2022, 33, 1617-1627.	0.8	11
17	The Relationship between Enhancing Left Atrial Adipose Tissue at CT and Recurrent Atrial Fibrillation. Radiology, 2022, 305, 56-65.	3.6	9
18	Efficacy and safety of a novel cryoballoon ablation system: multicentre comparison of 1-year outcome. Europace, 2022, 24, 1926-1932.	0.7	11

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19	Unexpected high failure rate of a specific MicroPort/LivaNova/Sorin pacing lead. Heart Rhythm, 2021, 18, 41-49.	0.3	10
20	Impact of contact force sensing technology on outcome of catheter ablation of idiopathic pre-mature ventricular contractions originating from the outflow tracts. Europace, 2021, 23, 603-609.	0.7	11
21	Ventricular response regularity in atrial fibrillation and its relationship to successful catheter ablation. , $2021, \ldots$		O
22	The SilenT AtRial FIBrillation (STAR-FIB) study programme – design and rationale. Swiss Medical Weekly, 2021, 151, w20421.	0.8	3
23	Blood Pressure and Brain Lesions in Patients With Atrial Fibrillation. Hypertension, 2021, 77, 662-671.	1.3	8
24	Novel bleeding risk score for patients with atrial fibrillation on oral anticoagulants, including direct oral anticoagulants. Journal of Thrombosis and Haemostasis, 2021, 19, 931-940.	1.9	6
25	Sex-Related Differences in Cardiac Channelopathies. Circulation, 2021, 143, 739-752.	1.6	23
26	Preâ€procedural arrhythmia burden and the outcome of catheter ablation of idiopathic premature ventricular complexes. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 703-710.	0.5	0
27	ECG-Based Indices to Characterize Persistent Atrial Fibrillation Before and During Stepwise Catheter Ablation. Frontiers in Physiology, 2021, 12, 654053.	1.3	6
28	Insulin-like growth factor-binding protein 7 and risk of congestive heart failure hospitalization in patients with atrial fibrillation. Heart Rhythm, 2021, 18, 512-519.	0.3	7
29	Efficacy and safety of ethanol infusion into the vein of Marshall for mitral isthmus ablation. Journal of Cardiovascular Electrophysiology, 2021, 32, 1610-1619.	0.8	8
30	Validation of the 2019 Expert Consensus Algorithm for the Management of Conduction Disturbances After TAVR. JACC: Cardiovascular Interventions, 2021, 14, 981-991.	1.1	14
31	Catheter-Induced Cement Embolism During Attempted Ablation Procedure. JACC: Case Reports, 2021, 3, 1114-1118.	0.3	0
32	Permanent pacemaker implantation late after transcatheter aortic valve implantation. Heart Rhythm, 2021, 18, 2033-2039.	0.3	11
33	Prospective Evaluation of a Standardized Screening for Atrial Fibrillation after Ablation of Cavotricuspid Isthmus Dependent Atrial Flutter. Journal of Clinical Medicine, 2021, 10, 4453.	1.0	4
34	Reply toâ€"MicroPort CRM considerations on Beflex/Vega pacing lead performance. Heart Rhythm, 2021, 18, 1634-1635.	0.3	0
35	Subclinical thyroid function and cardiovascular events in patients with atrial fibrillation. European Journal of Endocrinology, 2021, 185, 375-385.	1.9	8
36	Biomarkers, Clinical Variables, and the CHA2DS2-VASc Score to Detect Silent Brain Infarcts in Atrial Fibrillation Patients. Journal of Stroke, 2021, 23, 449-452.	1.4	3

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37	Age and Sex Specific Prevalence of Clinical and Screen-Detected Atrial Fibrillation in Hospitalized Patients. Journal of Clinical Medicine, 2021, 10, 4871.	1.0	4
38	Dynamics of Intraprocedural Dominant Frequency Identifies Ablation Outcome in Persistent Atrial Fibrillation. Frontiers in Physiology, 2021, 12, 731917.	1.3	0
39	Association of Diabetes With Atrial Fibrillation Phenotype and Cardiac and Neurological Comorbidities: Insights From the Swissâ€AF Study. Journal of the American Heart Association, 2021, 10, e021800.	1.6	16
40	Outcome of video-assisted thoracoscopic implantation of epicardial left ventricular leads with visual targeting for cardiac resynchronization therapy. Interactive Cardiovascular and Thoracic Surgery, 2020, 30, 373-379.	0.5	1
41	High incidence of diaphragmatic myopotential oversensing by a specific implantable cardioverter defibrillator. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 234-239.	0.5	O
42	Severe and uniform bi-atrial remodeling measured by dominant frequency analysis in persistent atrial fibrillation unresponsive to ablation. Journal of Interventional Cardiac Electrophysiology, 2020, 59, 431-440.	0.6	3
43	Optical coherence tomography allows 3D reconstruction of ablation lesions. European Heart Journal Cardiovascular Imaging, 2020, 21, 468-468.	0.5	0
44	The â€~double transition': a novel electrocardiogram sign to discriminate posteroseptal accessory pathways ablated from the right endocardium from those requiring a left-sided or epicardial coronary venous approach. Europace, 2020, 22, 1703-1711.	0.7	8
45	Valvular and Nonvalvular AtrialÂFibrillation in Patients Undergoing Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2020, 13, 2124-2133.	1.1	18
46	Leadless pacemaker implantation quality: importance of the operator's experience. Europace, 2020, 22, 939-946.	0.7	15
47	Response to "Electrocardiographic sexual differences in patients with atrial fibrillationâ€: International Journal of Cardiology, 2020, 308, 50-51.	0.8	1
48	Stereotactic Radiotherapy for the Management of Refractory Ventricular Tachycardia: Promise and Future Directions. Frontiers in Cardiovascular Medicine, 2020, 7, 108.	1.1	23
49	Covert Brain Infarction. Stroke, 2020, 51, 2597-2606.	1.0	30
50	Identifying coronary artery disease patients at risk for sudden and/or arrhythmic death: remaining limitations of the electrocardiogram. European Heart Journal, 2020, 41, 2911-2912.	1.0	1
51	Effect of acute myocardial ischemia on inferolateral early repolarization. Heart Rhythm, 2020, 17, 922-930.	0.3	1
52	Association of the CHA2D(S2)-VASc Score and Its Components With Overt and Silent Ischemic Brain Lesions in Patients With Atrial Fibrillation. Frontiers in Neurology, 2020, 11, 609234.	1.1	2
53	Sex-related electrocardiographic differences in patients with different types of atrial fibrillation: Results from the SWISS-AF study. International Journal of Cardiology, 2020, 307, 63-70.	0.8	12
54	Catheter Ablation of Atrial Tachycardia in a Giant Right Atrium. JACC: Case Reports, 2020, 2, 230-234.	0.3	0

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55	Use of the wearable cardioverter-defibrillator – the Swiss experience. Swiss Medical Weekly, 2020, 150, w20343.	0.8	6
56	Incidence and Predictors of Atrial Fibrillation Progression. Journal of the American Heart Association, 2019, 8, e012554.	1.6	41
57	Radiofrequency ablation lesion assessment using optical coherence tomography – a proofâ€ofâ€concept study. Journal of Cardiovascular Electrophysiology, 2019, 30, 934-940.	0.8	9
58	Usefulness of Genetic Testing in Sudden Cardiac Arrest Survivors With or Without Previous Clinical Evidence of Heart Disease. American Journal of Cardiology, 2019, 123, 2031-2038.	0.7	30
59	Relationships of Overt and Silent Brain Lesions With Cognitive Function in Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2019, 73, 989-999.	1.2	148
60	How to Reach the Left Atrium in Atrial Fibrillation Ablation?. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e006744.	2.1	1
61	Comparison of lead failure manifestation of Biotronik Linox with St. Jude Medical Riata and Medtronic Sprint Fidelis lead. Journal of Interventional Cardiac Electrophysiology, 2019, 54, 161-170.	0.6	7
62	Electrocardiographic predictors of mortality in patients after percutaneous coronary interventions $\hat{a} \in \mathbb{C}$ a nested case $\hat{a} \in \mathbb{C}$ control study. Acta Cardiologica, 2019, 74, 341-349.	0.3	1
63	Phenotypic Spectrum of <i>HCN4</i> Mutations. Circulation Genomic and Precision Medicine, 2018, 11, e002033.	1.6	18
64	Unexplained Cardiac Arrest in an Apparently Healthy Young Woman. Circulation, 2018, 137, 1863-1866.	1.6	2
65	New-onset arrhythmias following transcatheter aortic valve implantation: a systematic review and meta-analysis. Heart, 2018, 104, 1208-1215.	1.2	34
66	Unexplained cardiac arrest: a tale of conflicting interpretations of KCNQ1 genetic test results. Clinical Research in Cardiology, 2018, 107, 670-678.	1.5	6
67	Useful Electrocardiographic Features to Help Identify the Mechanism of AtrialÂTachycardia Occurring After Persistent Atrial Fibrillation Ablation. JACC: Clinical Electrophysiology, 2018, 4, 33-45.	1.3	15
68	Dormant pulmonary vein conduction before ablation revealed by adenosine: evidence for intermittent venoatrial conduction?. Europace, 2017, 19, 694-694.	0.7	1
69	Design of the Swiss Atrial Fibrillation Cohort Study (Swiss-AF): structural brain damage and cognitive decline among patients with atrial fibrillation. Swiss Medical Weekly, 2017, 147, w14467.	0.8	46
70	The search for atrial fibrillation and its impact on public health. Swiss Medical Weekly, 2017, 147, w14447.	0.8	4
71	176-48: Lead failure rate and failure manifestation of the Biotronik Linox lead compared to the St. Jude Medical Riata lead and the Medtronic Sprint Fidelis lead. Europace, 2016, 18, i129-i129.	0.7	0
72	A High Baseline Electrographic Organization Level Is Predictive of Successful Termination of Persistent AtrialÂFibrillation by Catheter Ablation. JACC: Clinical Electrophysiology, 2016, 2, 746-755.	1.3	5

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73	Failure rate and conductor externalization in the Biotronik Linox/Sorin Vigila implantable cardioverter-defibrillator lead. Heart Rhythm, 2016, 13, 1075-1082.	0.3	25
74	Benign vs malignant inferolateral early repolarization: Focus on the T wave. Heart Rhythm, 2016, 13, 894-902.	0.3	33
75	Electrocardiographic characteristics of patients with funnel chest before and after surgical correction using pectus bar: A new association with precordial J wave pattern. Journal of Electrocardiology, 2016, 49, 174-181.	0.4	8
76	Markers for silent atrial fibrillation in esophageal long-term electrocardiography. Journal of Electrocardiology, 2016, 49, 496-503.	0.4	2
77	Prevalence of abnormal electrocardiograms in Swiss elite athletes detected with modern screening criteria. Swiss Medical Weekly, 2016, 146, w14376.	0.8	3
78	Length of the Mitral Isthmus But Not Anatomical Location of Ablation Line Predicts Bidirectional Mitral Isthmus Block in Patients Undergoing Catheter Ablation of Persistent Atrial Fibrillation: A Randomized Controlled Trial. Journal of Cardiovascular Electrophysiology, 2015, 26, 629-634.	0.8	28
79	Role of Electrophysiological Studies in Predicting Risk of Ventricular Arrhythmia in Early Repolarization Syndrome. Journal of the American College of Cardiology, 2015, 65, 151-159.	1.2	63
80	Five-Year Outcome of Catheter Ablation of Persistent Atrial Fibrillation Using Termination of Atrial Fibrillation as a Procedural Endpoint. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 18-24.	2.1	247
81	Pulmonary Veins to Left Atrium Cycle Length Gradient Predicts Procedural and Clinical Outcomes of Persistent Atrial Fibrillation Ablation. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 473-482.	2.1	19
82	Endocardial Ablation to Eliminate Epicardial Arrhythmia Substrate in Scar-Related Ventricular Tachycardia. Journal of the American College of Cardiology, 2014, 63, 1416-1426.	1.2	87
83	Left Bundle Branch Block After Transcatheter Aortic Valve Implantation. JACC: Cardiovascular Interventions, 2014, 7, 137-139.	1.1	21
84	Software-based detection of atrial fibrillation in long-term ECGs. Heart Rhythm, 2014, 11, 933-938.	0.3	17
85	Training-related modulations of the autonomic nervous system in endurance athletes: is female gender cardioprotective?. European Journal of Applied Physiology, 2013, 113, 631-640.	1.2	27
86	Electrophysiologic characterization of local abnormal ventricular activities in postinfarction ventricular tachycardia with respect to their anatomic location. Heart Rhythm, 2013, 10, 1630-1637.	0.3	47
87	Prevalence of asymptomatic and electrically undetectable intracardiac inside-out abrasion in silicon-coated Riata® and Riata® ST implantable cardioverter–defibrillator leads. International Journal of Cardiology, 2013, 167, 254-257.	0.8	39
88	Exotic Atrial Tachycardias. Cardiac Electrophysiology Clinics, 2013, 5, 237-251.	0.7	0
89	Validation of Novel 3-Dimensional Electrocardiographic Mapping of Atrial Tachycardias by Invasive Mapping and Ablation. Journal of the American College of Cardiology, 2013, 62, 889-897.	1.2	78
90	The optimal lead insertion depth for esophageal ECG recordings with respect to atrial signal quality. Journal of Electrocardiology, 2013, 46, 158-165.	0.4	10

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91	Inverse Relationship Between Fractionated Electrograms and Atrial Fibrosis in PersistentÂAtrial Fibrillation. Journal of the American College of Cardiology, 2013, 62, 802-812.	1.2	205
92	Typical Examples of Macroreentrant Atrial Tachycardia. Cardiac Electrophysiology Clinics, 2013, 5, 195-206.	0.7	0
93	Diagnosis of Macroreentrant Atrial Tachycardia. Cardiac Electrophysiology Clinics, 2013, 5, 189-194.	0.7	0
94	Differentiating Right from Left Atrial Tachycardias. Cardiac Electrophysiology Clinics, 2013, 5, 169-177.	0.7	0
95	Regional Myocardial Wall Thinning at Multidetector Computed Tomography Correlates to Arrhythmogenic Substrate in Postinfarction Ventricular Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 342-350.	2.1	108
96	Pattern and Timing of the Coronary Sinus Activation to Guide Rapid Diagnosis of Atrial Tachycardia After Atrial Fibrillation Ablation. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 481-490.	2.1	32
97	Integration of Merged Delayedâ€Enhanced Magnetic Resonance Imaging and Multidetector Computed Tomography for the Guidance of Ventricular Tachycardia Ablation: A Pilot Study. Journal of Cardiovascular Electrophysiology, 2013, 24, 419-426.	0.8	95
98	Endocardial Versus Epicardial Ventricular Radiofrequency Ablation. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 144-150.	2.1	66
99	Body Surface Electrocardiographic Mapping for Non-invasive Identification of Arrhythmic Sources. Arrhythmia and Electrophysiology Review, 2013, 2, 16.	1.3	36
100	Elimination of Local Abnormal Ventricular Activities. Circulation, 2012, 125, 2184-2196.	1.6	538
101	Catheter Ablation for Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 1224-1232.	2.1	18
102	Is 7-day event triggered ECG recording equivalent to 7-day Holter ECG recording for atrial fibrillation screening?. Heart, 2012, 98, 645-649.	1.2	37
103	Prevalence and Types of Pitfall in the Assessment of Mitral Isthmus Linear Conduction Block. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 957-967.	2.1	50
104	Current Hot Potatoes in Atrial Fibrillation Ablation. Current Cardiology Reviews, 2012, 8, 327-346.	0.6	17
105	What Next After Failed Septal Ventricular Tachycardia Ablation?. Indian Pacing and Electrophysiology Journal, 2012, 12, 180-185.	0.3	4
106	Ablation of Persistent Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2012, 4, 335-342.	0.7	3
107	Heterogeneous response of J-wave syndromes to beta-adrenergic stimulation. Heart Rhythm, 2012, 9, 1970-1976.	0.3	38
108	Ajmaline attenuates electrocardiogram characteristics of inferolateral early repolarization. Heart Rhythm, 2012, 9, 232-239.	0.3	51

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109	Disparate Activation of the Coronary Sinus and Inferior Left Atrium During Atrial Tachycardia After Persistent Atrial Fibrillation Ablation: Prevalence, Pitfalls, and Impact on Mapping. Journal of Cardiovascular Electrophysiology, 2012, 23, 697-707.	0.8	12
110	When Differential Pacing Is Not Enough to Assess Mitral Isthmus Block: Importance of the Pacing Threshold. Journal of Cardiovascular Electrophysiology, 2012, 23, 336-338.	0.8	0
111	Atrial Tachycardia After Atrial Fibrillation Ablation: What Is the Mechanism?. Journal of Cardiovascular Electrophysiology, 2012, 23, 791-793.	0.8	0
112	Mitral Isthmus Ablation with and Without Temporary Spot Occlusion of the Coronary Sinus: A Randomized Clinical Comparison of Acute Outcomes. Journal of Cardiovascular Electrophysiology, 2012, 23, 489-496.	0.8	20
113	Long-Term Cardiac Remodeling and Arrhythmias in Nonelite Marathon Runners. American Journal of Cardiology, 2012, 110, 129-135.	0.7	33
114	Noninvasive Electrocardiographic Mapping for Prediction of Tachycardia Mechanism and Origin of Atrial Tachycardia Following Bilateral Pulmonary Transplantation. Journal of Cardiovascular Electrophysiology, 2012, 23, 553-555.	0.8	13
115	Atrioventricular Conduction After Transcatheter Aortic Valve Implantation and Surgical Aortic Valve Replacement. Journal of Cardiovascular Electrophysiology, 2012, 23, 1115-1122.	0.8	44
116	Catheter Ablation of Ventricular Fibrillation Storms: Will this Replace Defibrillators?. Cardiac Electrophysiology Clinics, 2011, 3, 689-695.	0.7	0
117	Pathogenesis of AF: Impact on intracardiac signals. , 2011, 2011, 5523-6.		0
118	Catheter Ablation of Arrhythmias in Ebstein's Anomaly: A Multicenter Study. Journal of Cardiovascular Electrophysiology, 2011, 22, 1391-1396.	0.8	85
119	Atrial Remodeling, Autonomic Tone, and Lifetime Training Hours in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 580-585.	0.7	160
120	Gender Differences of Atrial and Ventricular Remodeling and Autonomic Tone in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 1489-1495.	0.7	60
121	Catheter ablation of atrial fibrillation as first-line therapy–a single-centre experience. Europace, 2011, 13, 646-653.	0.7	32
122	Incidence and Predictors of Atrioventricular Conduction Impairment After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2010, 106, 1473-1480.	0.7	158
123	Three-dimensional electroanatomic entrainment map in atypical atrial flutter late after heart transplantation. Europace, 2010, 12, 290-292.	0.7	2
124	Gender Differences in Patients Referred for Atrial Fibrillation Management to a Tertiary Center. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 622-626.	0.5	69
125	QRS alternans and cycle length oscillation during narrow QRS tachycardia. Europace, 2008, 10, 681-682.	0.7	8
126	Irregular tachycardia: what is the mechanism? Part I. Europace, 2008, 11, 115-116.	0.7	4

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127	Rhabdomyolysis in Association with Simvastatin and Amiodarone. Annals of Pharmacotherapy, 2004, 38, 978-981.	0.9	74