

Laurent Macle

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

10,324
citations

41
h-index

101
g-index

120
ext. papers

13,082
ext. citations

6.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
110	Approaches to catheter ablation for persistent atrial fibrillation. <i>New England Journal of Medicine</i> , 2015 , 372, 1812-22	59.2	1156
109	Comparison of antiarrhythmic drug therapy and radiofrequency catheter ablation in patients with paroxysmal atrial fibrillation: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 303, 333-40	27.4	789
108	Technique and results of linear ablation at the mitral isthmus. <i>Circulation</i> , 2004 , 110, 2996-3002	16.7	608
107	Catheter ablation versus antiarrhythmic drugs for atrial fibrillation: the A4 study. <i>Circulation</i> , 2008 , 118, 2498-505	16.7	586
106	Catheter ablation for atrial fibrillation: are results maintained at 5 years of follow-up?. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 160-6	15.1	567
105	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. <i>Europace</i> , 2018 , 20, e1-e160	3.9	461
104	Lower incidence of thrombus formation with cryoenergy versus radiofrequency catheter ablation. <i>Circulation</i> , 2003 , 107, 2045-50	16.7	383
103	2014 focused update of the Canadian Cardiovascular Society Guidelines for the management of atrial fibrillation. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1114-30	3.8	305
102	Efficacy and safety of cryoballoon ablation for atrial fibrillation: a systematic review of published studies. <i>Heart Rhythm</i> , 2011 , 8, 1444-51	6.7	259
101	Distinctive electrophysiological properties of pulmonary veins in patients with atrial fibrillation. <i>Circulation</i> , 2002 , 106, 2479-85	16.7	236
100	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. <i>Europace</i> , 2018 , 20, 157-208	3.9	227
99	2016 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 1170-1185	3.8	212
98	Substrate and Trigger Ablation for Reduction of Atrial Fibrillation (STAR AF): a randomized, multicentre, international trial. <i>European Heart Journal</i> , 2010 , 31, 1344-56	9.5	208
97	Cryoballoon or Radiofrequency Ablation for Atrial Fibrillation Assessed by Continuous Monitoring: A Randomized Clinical Trial. <i>Circulation</i> , 2019 , 140, 1779-1788	16.7	163
96	"Dormant" pulmonary vein conduction revealed by adenosine after ostial radiofrequency catheter ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 1041-7	2.7	163
95	A prospective, multicenter evaluation of ablating complex fractionated electrograms (CFEs) during atrial fibrillation (AF) identified by an automated mapping algorithm: acute effects on AF and efficacy as an adjuvant strategy. <i>Heart Rhythm</i> , 2008 , 5, 198-205	6.7	150
94	Reverse remodeling of sinus node function after catheter ablation of atrial fibrillation in patients with prolonged sinus pauses. <i>Circulation</i> , 2003 , 108, 1172-5	16.7	149

93	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. <i>Journal of Arrhythmia</i> , 2017 , 33, 369-409	1.5	148
92	Adenosine-guided pulmonary vein isolation for the treatment of paroxysmal atrial fibrillation: an international, multicentre, randomised superiority trial. <i>Lancet, The</i> , 2015 , 386, 672-9	4.0	146
91	Mechanisms by which adenosine restores conduction in dormant canine pulmonary veins. <i>Circulation</i> , 2010 , 121, 963-72	16.7	146
90	2018 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1371-1392	3.8	144
89	Cryoablation or Drug Therapy for Initial Treatment of Atrial Fibrillation. <i>New England Journal of Medicine</i> , 2021 , 384, 305-315	59.2	109
88	Incidence and significance of early recurrences of atrial fibrillation after cryoballoon ablation: insights from the multicenter Sustained Treatment of Paroxysmal Atrial Fibrillation (STOP AF) Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 69-75	6.4	88
87	Canadian Cardiovascular Society atrial fibrillation guidelines 2010: management of recent-onset atrial fibrillation and flutter in the emergency department. <i>Canadian Journal of Cardiology</i> , 2011 , 27, 38-46	3.8	88
86	The 2020 Canadian Cardiovascular Society/Canadian Heart Rhythm Society Comprehensive Guidelines for the Management of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 1847-1948	3.8	82
85	Early recurrence of atrial tachyarrhythmias following radiofrequency catheter ablation of atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012 , 35, 106-16	1.6	81
84	Clinical experience with a novel electromyographic approach to preventing phrenic nerve injury during cryoballoon ablation in atrial fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 605-11	6.4	74
83	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. <i>Heart Rhythm</i> , 2017 , 14, e445-e494	6.7	72
82	Canadian Cardiovascular Society atrial fibrillation guidelines 2010: catheter ablation for atrial fibrillation/atrial flutter. <i>Canadian Journal of Cardiology</i> , 2011 , 27, 60-6	3.8	72
81	Contemporary Atrial Fibrillation Management: A Comparison of the Current AHA/ACC/HRS, CCS, and ESC Guidelines. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 965-976	3.8	68
80	Pulmonary vein isolation using a second-generation cryoballoon catheter: a randomized comparison of ablation duration and method of deflation. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 692-8	2.7	66
79	Redefining the Blanking Period After Catheter Ablation for Paroxysmal Atrial Fibrillation: Insights From the ADVICE (Adenosine Following Pulmonary Vein Isolation to Target Dormant Conduction Elimination) Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9,	6.4	61
78	Dissociated pulmonary vein arrhythmia: incidence and characteristics. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 1173-9	2.7	60
77	Cryoablation outcomes for AV nodal reentrant tachycardia comparing 4-mm versus 6-mm electrode-tip catheters. <i>Heart Rhythm</i> , 2008 , 5, 230-4	6.7	59
76	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: executive summary. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2017 , 50, 1-55	2.4	58

75	Incidence and significance of early recurrences associated with different ablation strategies for AF: a STAR-AF substudy. <i>Journal of Cardiovascular Electrophysiology</i> , 2012 , 23, 1295-301	2.7	50
74	Histopathology of cryoballoon ablation-induced phrenic nerve injury. <i>Journal of Cardiovascular Electrophysiology</i> , 2014 , 25, 187-94	2.7	49
73	Cost analysis of catheter ablation for paroxysmal atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2003 , 26, 292-4	1.6	48
72	The biophysics and biomechanics of cryoballoon ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012 , 35, 1162-8	1.6	45
71	Adenosine following pulmonary vein isolation to target dormant conduction elimination (ADVICE): methods and rationale. <i>Canadian Journal of Cardiology</i> , 2012 , 28, 184-90	3.8	44
70	Relationship of quality of life with procedural success of atrial fibrillation (AF) ablation and postablation AF burden: substudy of the STAR AF randomized trial. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 1211-7	3.8	41
69	Effect of catheter ablation on quality of life of patients with paroxysmal atrial fibrillation. <i>Heart Rhythm</i> , 2005 , 2, 619-23	6.7	41
68	Morphometric ablation lesion characteristics comparing 4, 6, and 8 mm electrode-tip cryocatheters. <i>Journal of Cardiovascular Electrophysiology</i> , 2008 , 19, 1203-7	2.7	40
67	Differential effectiveness of pharmacological strategies to reveal dormant pulmonary vein conduction: a clinical-experimental correlation. <i>Heart Rhythm</i> , 2011 , 8, 1426-33	6.7	39
66	Cryothermal slow pathway modification for atrioventricular nodal reentrant tachycardia. <i>Europace</i> , 2007 , 9, 909-14	3.9	39
65	Contact force sensing for ablation of persistent atrial fibrillation: A randomized, multicenter trial. <i>Heart Rhythm</i> , 2018 , 15, 201-208	6.7	37
64	Selective complex fractionated atrial electrograms targeting for atrial fibrillation study (SELECT AF): a multicenter, randomized trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 55-62	6.4	37
63	The 2014 Atrial Fibrillation Guidelines Companion: A Practical Approach to the Use of the Canadian Cardiovascular Society Guidelines. <i>Canadian Journal of Cardiology</i> , 2015 , 31, 1207-18	3.8	36
62	Substrate and Trigger Ablation for Reduction of Atrial Fibrillation Trial-Part II (STAR AF II): design and rationale. <i>American Heart Journal</i> , 2012 , 164, 1-6.e6	4.9	34
61	Sex Differences in Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 429-436	3.8	33
60	Enlargement of catheter ablation lesions in infant hearts with cryothermal versus radiofrequency energy: an animal study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 211-7	6.4	32
59	Impact of acute atrial fibrillation termination and prolongation of atrial fibrillation cycle length on the outcome of ablation of persistent atrial fibrillation: A substudy of the STAR AF II trial. <i>Heart Rhythm</i> , 2017 , 14, 476-483	6.7	31
58	Anticoagulation management pre- and post atrial fibrillation ablation: a survey of canadian centres. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 219-23	3.8	31

57	Efficacy and safety of atrial fibrillation ablation with phased radiofrequency energy and multielectrode catheters. <i>Heart Rhythm</i> , 2012 , 9, 289-96	6.7	31
56	Electrophysiologically guided pulmonary vein isolation during sustained atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 255-60	2.7	29
55	Efficacy and Safety of Same-Day Discharge for Atrial Fibrillation Ablation. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 609-619	4.6	26
54	Electrical versus pharmacological cardioversion for emergency department patients with acute atrial fibrillation (RAFF2): a partial factorial randomised trial. <i>Lancet, The</i> , 2020 , 395, 339-349	4.0	23
53	Clinical effectiveness of a systematic "pill-in-the-pocket" approach for the management of paroxysmal atrial fibrillation. <i>Heart Rhythm</i> , 2018 , 15, 9-16	6.7	23
52	Variability in Non-Vitamin K Antagonist Oral Anticoagulants Dose Adjustment in Atrial Fibrillation Patients With Renal Dysfunction: The Influence of Renal Function Estimation Formulae. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1010-1018	3.8	23
51	Cryoballoon ablation for atrial fibrillation. <i>Indian Pacing and Electrophysiology Journal</i> , 2012 , 12, 39-53	1.5	23
50	Selective CFAE targeting for atrial fibrillation study (SELECT AF): clinical rationale, design, and implementation. <i>Journal of Cardiovascular Electrophysiology</i> , 2011 , 22, 541-7	2.7	21
49	The past, the present, and the future of cardiac arrhythmia ablation. <i>Canadian Journal of Cardiology</i> , 2014 , 30, S431-41	3.8	18
48	Adenosine testing in atrial flutter ablation: unmasking of dormant conduction across the cavotricuspid isthmus and risk of recurrence. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 995-1001	2.7	18
47	Blinded Randomized Trial of Anticoagulation to Prevent Ischemic Stroke and Neurocognitive Impairment in Atrial Fibrillation (BRAIN-AF): Methods and Design. <i>Canadian Journal of Cardiology</i> , 2019 , 35, 1069-1077	3.8	16
46	Heart rate and adverse outcomes in patients with atrial fibrillation: A combined AFFIRM and AF-CHF substudy. <i>Heart Rhythm</i> , 2016 , 13, 54-61	6.7	16
45	Persistent Atrial Fibrillation Ablation With Contact Force-Sensing Catheter: The Prospective Multicenter PRECEPT Trial. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 958-969	4.6	16
44	Catheter Ablation for Persistent Atrial Fibrillation. <i>New England Journal of Medicine</i> , 2015 , 373, 878-9	59.2	14
43	Association of Atrial Fibrillation Episode Duration With Arrhythmia Recurrence Following Ablation: A Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e208748	10.4	14
42	Quality of Life and Health Care Utilization in the CIRCA-DOSE Study. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 935-944	4.6	13
41	Atrial fibrillation in young patients. <i>Expert Review of Cardiovascular Therapy</i> , 2018 , 16, 489-500	2.5	12
40	Randomised clinical trial of cryoballoon versus irrigated radio frequency catheter ablation for atrial fibrillation-the effect of double short versus standard exposure cryoablation duration during pulmonary vein isolation (CIRCA-DOSE): methods and rationale. <i>BMJ Open</i> , 2017 , 7, e017970	3	12

39	Focal Transcatheter Cryoablation: Is a Four-Minute Application Still Required?. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 559-563	2.7	10
38	Spatial Relationships of Complex Fractionated Atrial Electrograms and Continuous Electrical Activity to Focal Electrical Sources: Implications for Substrate Ablation in Human Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 1220-1228	4.6	9
37	Management of Atrial Fibrillation in 2021: An Updated Comparison of the Current CCS/CHRS, ESC, and AHA/ACC/HRS Guidelines. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 1607-1618	3.8	9
36	Association of Atrial Fibrillation Burden With Health-Related Quality of Life After Atrial Fibrillation Ablation: Substudy of the Cryoballoon vs Contact-Force Atrial Fibrillation Ablation (CIRCA-DOSE) Randomized Clinical Trial. <i>JAMA Cardiology</i> , 2021 , 6, 1324-1328	16.2	8
35	Association Between Quality of Life and Procedural Outcome After Catheter Ablation for Atrial Fibrillation: A Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e2025473 ^{10.4}	10.4	8
34	Impact of Female Sex on Clinical Presentation and Ablation Outcomes in the CIRCA-DOSE Study. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 945-954	4.6	7
33	Effect of Mental Health Status on Arrhythmia Recurrence After Catheter Ablation of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2019 , 35, 831-839	3.8	7
32	Antithrombotic Therapy for Atrial Fibrillation and Coronary Disease Demystified. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1426-1436	3.8	6
31	Pharmacological Tests in Atrial Fibrillation Ablation. <i>Arrhythmia and Electrophysiology Review</i> , 2016 , 5, 170-176	3.2	6
30	Pulmonary Vein Stenosis After Atrial Fibrillation Ablation: Insights From the ADVICE Trial. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 1965-1974	3.8	5
29	Arrhythmias in 2015: Advances in drug, ablation, and device therapy for cardiac arrhythmias. <i>Nature Reviews Cardiology</i> , 2016 , 13, 67-8	14.8	5
28	Persistent Atrial Fibrillation Ablation: Where Do We Go From Here?. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1471-1481	3.8	5
27	The Influence of Monitoring Strategy on Assessment of Ablation Success and Post-ablation Atrial Fibrillation Burden Assessment: Implications for Practice and Clinical Trial Design. <i>Circulation</i> , 2021 ,	16.7	5
26	Autonomic Alterations After Pulmonary Vein Isolation in the CIRCA-DOSE (Cryoballoon vs Irrigated Radiofrequency Catheter Ablation) Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e018610 ⁶	6	5
25	Effect of Different Cutpoints for Defining Success Post-Catheter Ablation for Persistent Atrial Fibrillation: A Substudy of the STAR AF II Trial. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 522-523	4.6	4
24	Prevalence and clinical impact of spontaneous and adenosine-induced pulmonary vein reconnection in the Contact-Force vs. Cryoballoon Atrial Fibrillation Ablation (CIRCA-DOSE) study. <i>Heart Rhythm</i> , 2020 , 17, 897-904	6.7	4
23	Clinical assessment of AF pattern is poorly correlated with AF burden and post ablation outcomes: A CIRCA-DOSE sub-study. <i>Journal of Electrocardiology</i> , 2020 , 60, 159-164	1.4	4
22	Repeat Atrial Fibrillation Ablation Procedures in the CIRCA-DOSE Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020 , 13, e008480	6.4	4

21	Pulmonary vein isolation and left atrial catheter ablation using a three-dimensional navigation system for the treatment of atrial fibrillation. <i>Canadian Journal of Cardiology</i> , 2009 , 25, e169-72	3.8	3
20	Impact of Left Common Pulmonary Veins in the Contact-Force vs. Cryoballoon Atrial Fibrillation Ablation (CIRCA-DOSE) Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 2300	2.7	2
19	Pulmonary vein isolation for the treatment of atrial fibrillation: past, present and future. <i>Future Cardiology</i> , 2010 , 6, 51-66	1.3	2
18	Effect Of Catheter Ablation On Quality Of Life In Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2014 , 6, 1063	0.8	2
17	Effect of Postablation Monitoring Strategy on Long-Term Outcome for Catheter Ablation of Persistent Atrial Fibrillation: A Substudy of the STAR AF II Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020 , 13, e008682	6.4	2
16	Prevalence and outcome of early recurrence of atrial tachyarrhythmias in the Cryoballoon vs Irrigated Radiofrequency Catheter Ablation (CIRCA-DOSE) study. <i>Heart Rhythm</i> , 2021 , 18, 1463-1470	6.7	2
15	Adenosine-induced persistent recovery of accessory pathway conduction following mechanical block. <i>Indian Pacing and Electrophysiology Journal</i> , 2019 , 19, 81-82	1.5	1
14	Improving ablation strategies for the treatment of atrial fibrillation. <i>Expert Review of Medical Devices</i> , 2014 , 11, 77-88	3.5	1
13	Has conduction to the pulmonary vein recovered?. <i>Journal of Cardiovascular Electrophysiology</i> , 2009 , 20, 349-51	2.7	1
12	The Cryoballoon vs Irrigated Radiofrequency Catheter Ablation (CIRCA-DOSE) Study Results in Context. <i>Arrhythmia and Electrophysiology Review</i> , 2020 , 9, 34-39	3.2	1
11	The 2020 CCS atrial fibrillation guidelines for pharmacists: Top 10 takeaways.. <i>Canadian Pharmacists Journal</i> , 2022 , 155, 107-118	1.3	1
10	Positive Clinical Benefit on Patient Care, Quality of Life, and Symptoms After Contact Force-Guided Radiofrequency Ablation in Persistent Atrial Fibrillation: Analyses From the PRECEPT Prospective Multicenter Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021 , 14, e008867	6.4	1
9	A randomized, controlled comparison of electrical versus pharmacological cardioversion for emergency department patients with acute atrial flutter. <i>Canadian Journal of Emergency Medicine</i> , 2021 , 23, 314-324	0.6	1
8	Dormant pulmonary vein conduction unmasked by external electrical cardioversion. <i>Heart Rhythm</i> , 2010 , 7, 1706-7	6.7	0
7	Distance between the descending aorta and the left inferior pulmonary vein as a determinant of biophysical parameters during paroxysmal atrial fibrillation cryoablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2021 , 32, 2943-2952	2.7	0
6	Completeness of Linear or Fractionated Electrogram Ablation in Addition to Pulmonary Vein Isolation on Ablation Outcome: A Substudy of the STAR AF II Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021 , 14, e010146	6.4	0
5	Cryoablation or Drug Therapy for Initial Treatment of Atrial Fibrillation.. <i>European Cardiology Review</i> , 2022 , 17, e10	3.9	0
4	Comment on "The Canadian Cardiovascular Society 2018 guideline update for atrial fibrillation - A different perspective". <i>Canadian Journal of Emergency Medicine</i> , 2020 , 22, E3	0.6	

3 Interpretation of circular mapping catheter recordings **2015**, 119-130

2 Predicting Atrial Fibrillation Recurrence After Catheter Ablation: a Comparative Evaluation in the CIRCA-DOSE Trial. *Circulation: Arrhythmia and Electrophysiology*, **2021**, CIRCEP121010443

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1 Incidence of Concurrent Atrial Fibrillation in Patients Who Present With Atrial Tachycardia and Atrial Flutter Postablation for Persistent Atrial Fibrillation: Insights From the STAR AF II Trial. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e008683

6.4