

Geoffrey Lee

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,278
citations

279798

23
h-index

233421

45
g-index

75
all docs

75
docs citations

75
times ranked

2933
citing authors

#	ARTICLE	IF	CITATIONS
1	Catheter Ablation Versus Medical Rate Control in Atrial Fibrillation and Systolic Dysfunction. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1949-1961.	2.8	428
2	Epicardial wave mapping in human long-lasting persistent atrial fibrillation: transient rotational circuits, complex wavefronts, and disorganized activity. <i>European Heart Journal</i> , 2014, 35, 86-97.	2.2	159
3	Catheter ablation of atrial arrhythmias: state of the art. <i>Lancet, The</i> , 2012, 380, 1509-1519.	13.7	141
4	Epicardial Adipose Tissue Accumulation Confers Atrial Conduction Abnormality. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1197-1211.	2.8	103
5	Low Risk of Major Complications Associated With Pulmonary Vein Antral Isolation for Atrial Fibrillation: Results of 500 Consecutive Ablation Procedures in Patients With Low Prevalence of Structural Heart Disease From a Single Center. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 22, no-no.	1.7	93
6	Progression of atrial remodeling in patients with high-burden atrial fibrillation: Implications for early ablative intervention. <i>Heart Rhythm</i> , 2016, 13, 331-339.	0.7	87
7	Temporal distribution of arrhythmic events in chronic kidney disease: Highest incidence in the long interdialytic period. <i>Heart Rhythm</i> , 2015, 12, 2047-2055.	0.7	79
8	Differentiating Right- and Left-Sided Outflow Tract Ventricular Arrhythmias. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007392.	4.8	64
9	Acute Atrial Stretch Results in Conduction Slowing and Complex Signals at the Pulmonary Vein to Left Atrial Junction. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1189-1197.	4.8	51
10	Atrial fibrillation following lung transplantation: double but not single lung transplant is associated with long-term freedom from paroxysmal atrial fibrillation. <i>European Heart Journal</i> , 2010, 31, 2774-2782.	2.2	48
11	A minimal or maximal ablation strategy to achieve pulmonary vein isolation for paroxysmal atrial fibrillation: a prospective multi-centre randomized controlled trial (the Minimax study). <i>European Heart Journal</i> , 2015, 36, 1812-1821.	2.2	45
12	Magnetic resonance post-contrast T1 mapping in the human atrium: Validation and impact on clinical outcome after catheter ablation for atrial fibrillation. <i>Heart Rhythm</i> , 2014, 11, 1551-1559.	0.7	41
13	Use of a contact force-sensing ablation catheter with advanced catheter location significantly reduces fluoroscopy time and radiation dose in catheter ablation of atrial fibrillation. <i>Europace</i> , 2016, 18, 211-218.	1.7	41
14	Regression of Diffuse Ventricular Fibrosis Following Restoration of Sinus Rhythm With Catheter Ablation in Patients With Atrial Fibrillation and Systolic Dysfunction. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 999-1007.	3.2	39
15	Sex-Related Differences in Atrial Remodeling in Patients With Atrial Fibrillation: Relationship to Ablation Outcomes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121009925.	4.8	39
16	Entrainment and high-density three-dimensional mapping in right atrial macroreentry provide critical complementary information: Entrainment may unmask "visual reentry" as passive. <i>Heart Rhythm</i> , 2017, 14, 1541-1549.	0.7	38
17	Dynamic Atrial Substrate During High-Density Mapping of Paroxysmal and Persistent AF. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 1265-1277.	3.2	38
18	Relationship among complex signals, short cycle length activity, and dominant frequency in patients with long-lasting persistent AF: A high-density epicardial mapping study in humans. <i>Heart Rhythm</i> , 2011, 8, 1714-1719.	0.7	37

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19	Catheter Ablation of Ventricular Tachycardia in Patients With a Ventricular Assist Device. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 39-51.	3.2	37
20	Reduction in radiation dose for atrial fibrillation ablation over time: A 12-year single-center experience of 2344 patients. <i>Heart Rhythm</i> , 2017, 14, 810-816.	0.7	33
21	Clinical impact of rotor ablation in atrial fibrillation: a systematic review. <i>Europace</i> , 2018, 20, 1099-1106.	1.7	31
22	Epicardial-endocardial breakthrough during stable atrial macroreentry: Evidence from ultra-high-resolution 3-dimensional mapping. <i>Heart Rhythm</i> , 2017, 14, 1200-1207.	0.7	26
23	Low Rates of Major Complications for Radiofrequency Ablation of Atrial Fibrillation Maintained Over 14 Years: A Single Centre Experience of 2750 Consecutive Cases. <i>Heart Lung and Circulation</i> , 2018, 27, 976-983.	0.4	26
24	Arrhythmia recurrence is more common in females undergoing multiple catheter ablation procedures for persistent atrial fibrillation: Time to close the gender gap. <i>Heart Rhythm</i> , 2020, 17, 692-698.	0.7	26
25	High-density epicardial mapping of the pulmonary vein-left atrial junction in humans: Insights into mechanisms of pulmonary vein arrhythmogenesis. <i>Heart Rhythm</i> , 2012, 9, 258-264.	0.7	24
26	Dissociated pulmonary vein potentials following antral pulmonary vein isolation for atrial fibrillation: impact on long-term outcome. <i>Heart</i> , 2011, 97, 579-584.	2.9	23
27	High Incidence of Low Catheter-Tissue Contact Force at the Cavotricuspid Isthmus During Catheter Ablation of Atrial Flutter: Implications for Achieving Isthmus Block. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 826-831.	1.7	23
28	Temporal Stability of Rotors and Atrial Activation Patterns in Persistent Human Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 14-24.	3.2	23
29	Catheter ablation versus medical therapy for treatment of ventricular tachycardia associated with structural heart disease: Systematic review and meta-analysis of randomized controlled trials and comparison with observational studies. <i>Heart Rhythm</i> , 2019, 16, 1484-1491.	0.7	23
30	Catheter ablation of ventricular arrhythmia guided by a high-density grid catheter. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 474-484.	1.7	23
31	A comparison of the electrophysiologic and electroanatomic characteristics between the right and left atrium in persistent atrial fibrillation: Is the right atrium a window into the left?. <i>Journal of Cardiovascular Electrophysiology</i> , 2017, 28, 1109-1116.	1.7	22
32	Endocardial-Epicardial Phase Mapping of Prolonged Persistent Atrial Fibrillation Recordings. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008512.	4.8	22
33	Catheter ablation for persistent atrial fibrillation: A multicenter randomized trial of pulmonary vein isolation (PVI) versus PVI with posterior left atrial wall isolation (PWI) - The CAPLA study. <i>American Heart Journal</i> , 2022, 243, 210-220.	2.7	21
34	Absence of rotational activity detected using 2-dimensional phase mapping in the corresponding 3-dimensional phase maps in human persistent atrial fibrillation. <i>Heart Rhythm</i> , 2018, 15, 182-192.	0.7	20
35	Renal Denervation for the Management of Refractory Ventricular Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 100-108.	3.2	19
36	New Insights Into an Old Arrhythmia. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 971-986.	3.2	18

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37	Biatrial Electrical and Structural Atrial Changes in Heart Failure. JACC: Clinical Electrophysiology, 2018, 4, 87-96.	3.2	18
38	Focal Ventricular Tachycardias in Structural Heart Disease. JACC: Clinical Electrophysiology, 2020, 6, 56-69.	3.2	18
39	The effect of electrode density on the interpretation of atrial activation patterns in epicardial mapping of human persistent atrial fibrillation. Heart Rhythm, 2016, 13, 1215-1220.	0.7	17
40	Progression and reversibility of stretch induced atrial remodeling: Characterization and clinical implications. Progress in Biophysics and Molecular Biology, 2017, 130, 376-386.	2.9	17
41	Transient Rotor Activity During Prolonged 3-Dimensional Phase Mapping in Human Persistent Atrial Fibrillation. JACC: Clinical Electrophysiology, 2018, 4, 72-83.	3.2	15
42	Catheter Ablation of Ventricular Fibrillation. Heart Lung and Circulation, 2019, 28, 110-122.	0.4	15
43	Sleep apnoea has a dose-dependent effect on atrial remodelling in paroxysmal but not persistent atrial fibrillation: a high-density mapping study. Europace, 2021, 23, 691-700.	1.7	15
44	Pulmonary vein activity does not predict the outcome of catheter ablation for persistent atrial fibrillation: A long-term multicenter prospective study. Heart Rhythm, 2018, 15, 980-986.	0.7	14
45	Simultaneous epicardial-endocardial mapping of the sinus node in humans with structural heart disease: Impact of overdrive suppression on sinoatrial exits. Heart Rhythm, 2020, 17, 2154-2163.	0.7	13
46	P-Wave Morphology in Focal Atrial Tachycardia. JACC: Clinical Electrophysiology, 2021, 7, 1547-1556.	3.2	13
47	Multipolar mapping with the high-density grid catheter compared with conventional point-by-point mapping to guide catheter ablation for focal arrhythmias. Journal of Cardiovascular Electrophysiology, 2020, 31, 2288-2297.	1.7	11
48	Panoramic characterization of endocardial left atrial activation during human persistent AF: Insights from non-contact mapping. International Journal of Cardiology, 2017, 228, 406-411.	1.7	9
49	Site-Specific Epicardium-to-Endocardium Dissociation of Electrical Activation in a Swine Model of Atrial Fibrillation. JACC: Clinical Electrophysiology, 2020, 6, 830-845.	3.2	9
50	Towards Improved Care of Postural Tachycardia Syndrome, Inappropriate Sinus Tachycardia and Vasovagal Syncope Patients: A Call to Action in Australia. Heart Lung and Circulation, 2016, 25, 8-11.	0.4	8
51	Functional Atrial Endocardial-Epicardial Dissociation in Patients With Structural Heart Disease Undergoing Cardiac Surgery. JACC: Clinical Electrophysiology, 2020, 6, 34-44.	3.2	8
52	Genetic Susceptibility to Atrial Fibrillation Is Associated With Atrial Electrical Remodeling and Adverse Post-Ablation Outcome. JACC: Clinical Electrophysiology, 2020, 6, 1509-1521.	3.2	8
53	A Grave Case of Bradycardia. PACE - Pacing and Clinical Electrophysiology, 2006, 29, 788-790.	1.2	7
54	Determining the Optimal Dose of Adenosine for Unmasking Dormant Pulmonary Vein Conduction Following Atrial Fibrillation Ablation: Electrophysiological and Hemodynamic Assessment. DORMANT-AF Study. Journal of Cardiovascular Electrophysiology, 2017, 28, 13-22.	1.7	7

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55	Prone and Supine 12-Lead ECG Comparisons. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 1348-1357.	3.2	7
56	Functional Assessment of Ventricular Tachycardia Circuits and Their Underlying Substrate Using Automated Conduction Velocity Mapping. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 480-494.	3.2	6
57	Editorial: Recent Advances in Understanding the Basic Mechanisms of Atrial Fibrillation Using Novel Computational Approaches. <i>Frontiers in Physiology</i> , 2019, 10, 1065.	2.8	5
58	Ten-year trends in catheter ablation for ventricular tachycardia vs other interventional procedures in Australia. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 2353-2361.	1.7	5
59	Modified Precordial Lead R-Wave Deflection Interval Predicts Left- and Right-Sided Idiopathic Outflow Tract Ventricular Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 1405-1419.	3.2	5
60	Automatic 3D Surface Reconstruction of the Left Atrium From Clinically Mapped Point Clouds Using Convolutional Neural Networks. <i>Frontiers in Physiology</i> , 2022, 13, 880260.	2.8	5
61	Catheter ablation of idiopathic outflow tract ventricular arrhythmias with low intraprocedural burden guided by pace mapping. <i>Heart Rhythm O2</i> , 2021, 2, 355-364.	1.7	3
62	Coherent mapping: A step toward physiological mapping of complex arrhythmias?. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1448-1451.	1.7	2
63	A prospective evaluation of the impact of individual RF applications for slow pathway ablation for AVNRT: Markers of acute success. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1886-1893.	1.7	2
64	Incessant Idiopathic Ventricular Fibrillation Trigger Originating From an Unusual Intramyocardial (Non-Purkinje) Site Successfully Treated With Catheter Ablation. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 260-262.	3.2	1
65	Scar nonexcitability using simultaneous pacing for substrate ablation of ventricular tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 1219-1234.	1.2	1
66	Scratching beneath the surface: Revisiting the accuracy of ECG-based prediction algorithms. <i>Heart Rhythm</i> , 2021, 18, 1966-1967.	0.7	1
67	Ventricular Electrogram Duration Method (VEDUM): Is all that glitters gold?. <i>Heart Rhythm</i> , 2021, 18, 1261-1262.	0.7	1
68	Clinical, electroanatomic and electrophysiologic characterization and outcomes of catheter ablation for ventricular tachycardia following valvular intervention. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 589-604.	1.7	1
69	Reply to the Editor "On the deformation and interpolation of phase maps and concerns in multi-electrode and phase mapping of AF. <i>Heart Rhythm</i> , 2018, 15, e4.	0.7	0
70	Reducing inappropriate therapy in defibrillators-can we count on mathematical models?. <i>Indian Pacing and Electrophysiology Journal</i> , 2019, 19, 55-56.	0.6	0
71	Reply to the Editor "Investigating sinoatrial node activation during sinus rhythm using phase mapping. <i>Heart Rhythm</i> , 2021, 18, 331-332.	0.7	0
72	First-in-Man Rapid, Ultra-high-resolution Mapping of the Outflow Tracts Using the Advisor HD Grid Catheter. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2020, 12, 39-40.	0.5	0

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73	Insights From Simultaneous Left and Right Atrial Septal Mapping in Patients With Persistent Atrial Fibrillation. JACC: Clinical Electrophysiology, 2022, , .	3.2	0