

Tom Wong

List of Publications by Year in descending order

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112
papers

3,374
citations

147801

31
h-index

161849

54
g-index

120
all docs

120
docs citations

120
times ranked

4055
citing authors

#	ARTICLE	IF	CITATIONS
1	A Randomized Trial to Assess Catheter Ablation Versus Rate Control in the Management of Persistent Atrial Fibrillation in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1894-1903.	2.8	390
2	Evaluating Real-World Clinical Outcomes in Atrial Fibrillation Patients Receiving the WATCHMAN Left Atrial Appendage Closure Technology. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e006841.	4.8	199
3	Deep Learning for Diagnosis of Chronic Myocardial Infarction on Nonenhanced Cardiac Cine MRI. <i>Radiology</i> , 2019, 291, 606-617.	7.3	144
4	Efficacy of Catheter Ablation for Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 841-852.	4.8	132
5	Contact force sensing technology identifies sites of inadequate contact and reduces acute pulmonary vein reconnection: A prospective case control study. <i>International Journal of Cardiology</i> , 2013, 168, 1160-1166.	1.7	107
6	Catheter Ablation for Atrial Fibrillation in Heart Failure Patients. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 200-209.	3.2	86
7	Left Atrial Appendage Electrical Isolation and Concomitant Device Occlusion to Treat Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	79
8	Targeting Nonpulmonary Vein Sources in Persistent Atrial Fibrillation Identified by Noncontact Charge Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007233.	4.8	79
9	Spatiotemporal Behavior of High Dominant Frequency During Paroxysmal and Persistent Atrial Fibrillation in the Human Left Atrium. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 650-658.	4.8	77
10	Atrial tachyarrhythmias late after Fontan operation are related to increase in mortality and hospitalization. <i>International Journal of Cardiology</i> , 2012, 157, 221-226.	1.7	77
11	Systemic Right Ventricular Fibrosis Detected by Cardiovascular Magnetic Resonance Is Associated With Clinical Outcome, Mainly New-Onset Atrial Arrhythmia, in Patients After Atrial Redirection Surgery for Transposition of the Great Arteries. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	74
12	Simultaneous left atrium anatomy and scar segmentations via deep learning in multiview information with attention. <i>Future Generation Computer Systems</i> , 2020, 107, 215-228.	7.5	73
13	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006569.	4.8	72
14	Relationship Between Contact Force Sensing Technology and Medium-Term Outcome of Atrial Fibrillation Ablation: A Multicenter Study of 600 Patients. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 378-384.	1.7	63
15	Evaluation of a novel high-resolution mapping system for catheter ablation of ventricular arrhythmias. <i>Heart Rhythm</i> , 2017, 14, 176-183.	0.7	60
16	Utility of a Novel Rapid High-Resolution Mapping System in the Catheter Ablation of Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 411-420.	3.2	57
17	Mechano-Electrical Interaction Late After Fontan Operation. <i>Circulation</i> , 2004, 109, 2319-2325.	1.6	55
18	Atrial scar quantification via multi-scale CNN in the graph-cuts framework. <i>Medical Image Analysis</i> , 2020, 60, 101595.	11.6	55

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19	Catheter ablation vs. thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: CASA-AF randomized controlled trial. <i>European Heart Journal</i> , 2020, 41, 4471-4480.	2.2	54
20	Adversarial and Perceptual Refinement for Compressed Sensing MRI Reconstruction. <i>Lecture Notes in Computer Science</i> , 2018, , 232-240.	1.3	50
21	Biatrial linear ablation in sustained nonpermanent AF: Results of the substrate modification with ablation and antiarrhythmic drugs in nonpermanent atrial fibrillation (SMAN-PAF) trial. <i>Heart Rhythm</i> , 2016, 13, 399-406.	0.7	47
22	The burden of proof: The current state of atrial fibrillation prevention and treatment trials. <i>Heart Rhythm</i> , 2017, 14, 763-782.	0.7	47
23	Adverse impact of chronic subpulmonary left ventricular pacing on systemic right ventricular function in patients with congenitally corrected transposition of the great arteries. <i>International Journal of Cardiology</i> , 2014, 171, 184-191.	1.7	46
24	A low-dose, dual-phase cardiovascular CT protocol to assess left atrial appendage anatomy and exclude thrombus prior to left atrial intervention. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 347-354.	1.5	46
25	JAS-GAN: Generative Adversarial Network Based Joint Atrium and Scar Segmentations on Unbalanced Atrial Targets. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 103-114.	6.3	46
26	CT imaging for left atrial appendage closure: A review and pictorial essay. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 89-102.	1.3	42
27	Outcomes and costs of left atrial appendage closure from randomized controlled trial and real-world experience relative to oral anticoagulation. <i>European Heart Journal</i> , 2016, 37, 3470-3482.	2.2	40
28	Fully automatic segmentation and objective assessment of atrial scars for long-standing persistent atrial fibrillation patients using late gadolinium-enhanced <scp>MRI</scp>. <i>Medical Physics</i> , 2018, 45, 1562-1576.	3.0	39
29	Arrhythmias in adult patients with congenital heart disease and pulmonary arterial hypertension. <i>Heart</i> , 2018, 104, 1963-1969.	2.9	39
30	Primary safety results from the LEADLESS Observational Study. <i>Europace</i> , 2018, 20, 1491-1497.	1.7	36
31	Use of Novel Electrogram "Lumipoint" Algorithm to Detect Critical Isthmus and Abnormal Potentials for Ablation in Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 470-479.	3.2	34
32	Acceptance and psychological impact of implantable defibrillators amongst adults with congenital heart disease. <i>International Journal of Cardiology</i> , 2015, 181, 218-224.	1.7	33
33	Catheter ablation vs electrophysiologically guided thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: The CASA-AF Study. <i>Heart Rhythm</i> , 2017, 14, 1596-1603.	0.7	31
34	Percutaneous left atrial appendage occlusion using different technologies in the United Kingdom: A multicenter registry. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 89, 484-492.	1.7	31
35	Percutaneous Pulmonary Vein Cryablation to Treat Atrial Fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2004, 11, 117-126.	1.3	30
36	Organizational Index Mapping to Identify Focal Sources During Persistent Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 355-363.	1.7	29

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37	Comparison of Robotic and Manual Persistent AF Ablation Using Catheter Contact Force Sensing: An International Multicenter Registry Study. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 1427-1435.	1.2	27
38	Hemoglobin A1c is associated with severity of coronary artery stenosis but not with long term clinical outcomes in diabetic and nondiabetic patients with acute myocardial infarction undergoing primary angioplasty. <i>Cardiovascular Diabetology</i> , 2017, 16, 97.	6.8	26
39	Major adverse events and atrial tachycardia in Ebstein's anomaly predicted by cardiovascular magnetic resonance. <i>Heart</i> , 2018, 104, 37-44.	2.9	26
40	Left atrial appendage electrical isolation and concomitant device occlusion: A safety and feasibility study with histologic characterization. <i>Heart Rhythm</i> , 2015, 12, 202-210.	0.7	25
41	Three-Dimensional Late Gadolinium Enhancement Cardiovascular Magnetic Resonance Predicts Inducibility of Ventricular Tachycardia in Adults With Repaired Tetralogy of Fallot. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008321.	4.8	25
42	Alterations in retinal nerve fiber layer thickness in early stages of diabetic retinopathy and potential risk factors. <i>Current Eye Research</i> , 2018, 43, 244-253.	1.5	24
43	The left atrial appendage in humans: structure, physiology, and pathogenesis. <i>Europace</i> , 2020, 22, 5-18.	1.7	24
44	Validation of Dipole Density Mapping During Atrial Fibrillation and Sinus Rhythm in Human Left Atrium. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 171-181.	3.2	24
45	Adaptive Hierarchical Dual Consistency for Semi-Supervised Left Atrium Segmentation on Cross-Domain Data. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 420-433.	8.9	24
46	Multiview Two-Task Recursive Attention Model for Left Atrium and Atrial Scars Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 455-463.	1.3	23
47	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	4.8	21
48	A new score for life-threatening ventricular arrhythmias and sudden cardiac death in adults with transposition of the great arteries and a systemic right ventricle. <i>European Heart Journal</i> , 2022, 43, 2685-2694.	2.2	21
49	A multi-purpose spiral high-density mapping catheter: initial clinical experience in complex atrial arrhythmias. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2011, 31, 225-235.	1.3	20
50	Characterization of the Mechanism and Substrate of Atrial Tachycardia Using Ultra-High-Density Mapping in Adults With Congenital Heart Disease: Impact on Clinical Outcomes. <i>Journal of the American Heart Association</i> , 2019, 8, e010535.	3.7	20
51	Percutaneous Isolation of Multiple Pulmonary Veins Using an Expandable Circular Cryoablation Catheter. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2004, 27, 551-554.	1.2	18
52	Individualized ablation strategy guided by live simultaneous global mapping to treat persistent atrial fibrillation. <i>Future Cardiology</i> , 2018, 14, 237-249.	1.2	18
53	Resource use and clinical outcomes in patients with atrial fibrillation with ablation versus antiarrhythmic drug treatment. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 211.	1.7	18
54	Early and Late Effects of Cardiac Resynchronization Therapy in Adult Congenital Heart Disease. <i>Journal of the American Heart Association</i> , 2019, 8, e012744.	3.7	17

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55	Individualized ablation strategy to treat persistent atrial fibrillation: Core-to-boundary approach guided by charge-density mapping. <i>Heart Rhythm</i> , 2021, 18, 862-870.	0.7	17
56	Biomarkers as predictors of recurrence of atrial fibrillation post ablation: an updated and expanded systematic review and meta-analysis. <i>Clinical Research in Cardiology</i> , 2022, 111, 680-691.	3.3	17
57	Mfn2-mediated mitochondrial fusion alleviates doxorubicin-induced cardiotoxicity with enhancing its anticancer activity through metabolic switch. <i>Redox Biology</i> , 2022, 52, 102311.	9.0	17
58	Anatomic left atrial circumferential ablation to electrically isolate pulmonary veins using a novel focused ultrasound balloon catheter. <i>Heart Rhythm</i> , 2006, 3, 370-371.	0.7	15
59	Diverse activation patterns during persistent atrial fibrillation by noncontact charge-density mapping of human atrium. <i>Journal of Arrhythmia</i> , 2020, 36, 692-702.	1.2	14
60	Minimally Invasive Epicardial Surgical Ablation Alone Versus Hybrid Ablation for Atrial Fibrillation: A Systematic Review and Meta-Analysis. <i>Arrhythmia and Electrophysiology Review</i> , 2017, 6, 202.	2.4	14
61	Impact of Stepwise Ablation on the Biatrial Substrate in Patients With Persistent Atrial Fibrillation and Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 761-768.	4.8	13
62	Progressive modification of rotors in persistent atrial fibrillation by stepwise linear ablation. <i>HeartRhythm Case Reports</i> , 2015, 1, 22-26.	0.4	13
63	Mortality, stroke, and heart failure in atrial fibrillation cohorts after ablation versus propensity-matched cohorts. <i>Journal of Pragmatic and Observational Research</i> , 2017, Volume 8, 99-106.	1.5	12
64	Ventricular tachycardia ablation in structural heart disease: Impact of ablation strategy and non-inducibility as an end-point on long term outcome. <i>International Journal of Cardiology</i> , 2019, 277, 110-117.	1.7	12
65	Ablation of difficult right-sided accessory pathways aided by mapping of tricuspid annular activation using a Halo [®] catheter. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2006, 16, 175-182.	1.3	11
66	Rapid automatic segmentation of abnormal tissue in late gadolinium enhancement cardiovascular magnetic resonance images for improved management of long-standing persistent atrial fibrillation. <i>BioMedical Engineering OnLine</i> , 2015, 14, 88.	2.7	11
67	A collective European experience with left atrial appendage suture ligation using the LARIAT+ device. <i>Europace</i> , 2020, 22, 924-931.	1.7	11
68	Cryoablation of Focal Atrial Tachycardia Originating Close to the Atrioventricular Node. <i>Journal of Cardiovascular Electrophysiology</i> , 2004, 15, 838-838.	1.7	10
69	Cardiac CT assessment of tissue thickness at the ostium of the left atrial appendage predicts acute success of radiofrequency ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 1218-1226.	1.2	10
70	Characterization and consistency of interactions of triggers and substrate at the onset of paroxysmal atrial fibrillation. <i>Europace</i> , 2017, 19, 1454-1462.	1.7	9
71	A fully automatic deep learning method for atrial scarring segmentation from late gadolinium-enhanced MRI images. , 2017, , .		9
72	Discriminative Consistent Domain Generation for Semi-supervised Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 595-604.	1.3	9

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73	Position of Totally Thoracoscopic Surgical Ablation in the Treatment of Atrial Fibrillation: An Alternative Method of Conduction Testing. <i>Medical Science Monitor Basic Research</i> , 2015, 21, 76-80.	2.6	9
74	Pacing in congenital heart disease – A four-decade experience in a single tertiary centre. <i>International Journal of Cardiology</i> , 2017, 241, 177-181.	1.7	8
75	Stroke rates before and after ablation of atrial fibrillation and in propensity-matched controls in the UK. <i>Journal of Pragmatic and Observational Research</i> , 2017, Volume 8, 107-118.	1.5	8
76	Acute safety, effectiveness, and real-world clinical usage of ultra-high density mapping for ablation of cardiac arrhythmias: results of the TRUE HD study. <i>Europace</i> , 2019, 21, 655-661.	1.7	8
77	Segmenting Atrial Fibrosis from Late Gadolinium-Enhanced Cardiac MRI by Deep-Learned Features with Stacked Sparse Auto-Encoders. <i>Communications in Computer and Information Science</i> , 2017, , 195-206.	0.5	8
78	Use of Asymmetric Bidirectional Catheters with Different Curvature Radius for Catheter Ablation of Cardiac Arrhythmias. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, 757-763.	1.2	7
79	Safety and mid-term outcome of catheter ablation of ventricular tachycardia in octogenarians. <i>Europace</i> , 2017, 19, euw236.	1.7	7
80	Catheter Ablation versus Thoracoscopic Surgical Ablation in Long Standing Persistent Atrial Fibrillation (CASA-AF): study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 117.	1.6	7
81	Plasma miR-26a-5p is a biomarker for retinal neurodegeneration of early diabetic retinopathy. <i>Eye</i> , 2021, 35, 1587-1599.	2.1	7
82	Outcomes after catheter ablation of ventricular tachycardia without implantable cardioverter-defibrillator in selected patients with arrhythmogenic right ventricular cardiomyopathy. <i>Europace</i> , 2021, 23, 1428-1436.	1.7	7
83	Biomarkers in Persistent AF and Heart Failure: Impact of Catheter Ablation Compared with Rate Control. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016, 39, 926-934.	1.2	6
84	Characterising the difference in electrophysiological substrate and outcomes between heart failure and non-heart failure patients with persistent atrial fibrillation. <i>Europace</i> , 2018, 20, 451-458.	1.7	6
85	Specific electrogram characteristics impact substrate ablation target area in patients with scar-related ventricular tachycardia – insights from automated ultrahigh-density mapping. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 376-388.	1.7	6
86	Novel aggregated multiposition noncontact mapping of atrial tachycardia in humans: From computational modeling to clinical validation. <i>Heart Rhythm</i> , 2022, 19, 61-69.	0.7	5
87	Severe Mitral Annular Calcification: Insights from Multimodality Imaging. <i>Texas Heart Institute Journal</i> , 2014, 41, 245-247.	0.3	4
88	Epicardial Ventricular Tachycardia Ablation Guided by a Novel High-Resolution Contact Mapping System: A Multicenter Study. <i>Journal of the American Heart Association</i> , 2018, 7, e010549.	3.7	4
89	A multi-center experience of ablation index for evaluating lesion delivery in typical atrial flutter. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 1039-1046.	1.2	4
90	Multi-atlas propagation based left atrium segmentation coupled with super-voxel based pulmonary veins delineation in late gadolinium-enhanced cardiac MRI. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4

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91	The long-term outcomes of cardiac implantable electronic devices implanted via the femoral route. PACE - Pacing and Clinical Electrophysiology, 2022, , .	1.2	4
92	Intra-atrial block requiring dual-site atrial pacing through a femoral approach in a univentricular heart. HeartRhythm Case Reports, 2020, 6, 390-394.	0.4	3
93	Implantable cardiac electronic device therapy for patients with a systemic right ventricle. Heart, 2020, 106, 1052-1058.	2.9	3
94	Internationally validated score to predict the outcome of non-paroxysmal atrial fibrillation ablation: the "FLAME score". Open Heart, 2021, 8, e001653.	2.3	3
95	Atrial Scar Segmentation via Potential Learning in the Graph-Cut Framework. Lecture Notes in Computer Science, 2019, , 152-160.	1.3	3
96	64...ECG Abnormalities in Patients on Antipsychotic Medication: More to it than QT Prolongation: Abstract 64 Table 1. Heart, 2015, 101, A35.1-A35.	2.9	2
97	Relevance of electrical connectivity between the coronary sinus and the left atrial appendage for the intentional electrical isolation of the left atrial appendage in treating persistent atrial fibrillation: Insights from the LEIO-AF study. HeartRhythm Case Reports, 2018, 4, 420-424.	0.4	2
98	Stress Distribution and Fracture Resistance of repairing Cracked Tooth with Fiber-reinforced Composites and Onlay. Australian Endodontic Journal, 2022, 48, 458-464.	1.5	2
99	Thoracoscopic surgical ablation versus catheter ablation as first-line treatment for long-standing persistent atrial fibrillation: the CASA-AF RCT. Efficacy and Mechanism Evaluation, 2021, 8, 1-122.	0.7	2
100	Beyond pulmonary vein isolation for persistent atrial fibrillation: sequential high-resolution mapping to guide ablation. Journal of Interventional Cardiac Electrophysiology, 2022, 65, 53-62.	1.3	2
101	Left bundle pacing in transposition of the great arteries with previous atrial redirection operation. HeartRhythm Case Reports, 2021, 8, 176-179.	0.4	2
102	Conduction system pacing in adults with congenital heart disease. International Journal of Cardiology Congenital Heart Disease, 2021, 6, 100288.	0.4	2
103	Catheter ablation versus rate control for atrial fibrillation: what have we learnt from the ARC-HF trial?. Future Cardiology, 2013, 9, 599-602.	1.2	1
104	Spectral characterization and impact of stepwise ablation protocol including LAA electrical isolation on persistent AF. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 318-326.	1.2	1
105	Atrial Fibrillation, Obstructive Sleep Apnea, and Continuous Positive Airway Pressure: No Easy Fix. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 503-505.	5.6	1
106	Atrial Tachycardia after AF Ablation: An Alternate Mechanism?. PACE - Pacing and Clinical Electrophysiology, 2014, 37, 375-378.	1.2	0
107	YI...Mortality and VT in ebstein's anomaly of the tricuspid valve: A prospective cardiovascular magnetic resonance study. Heart, 2016, 102, A27.2-A27.	2.9	0
108	An unusual "rite of passage" for an ablation catheter during left ventricular tachycardia ablation " a case report. European Heart Journal - Case Reports, 2018, 2, yty006.	0.6	0

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109	Pacemakers and Internal Cardioverter Defibrillators in Adult Congenital Heart Disease. , 2018, , 232-252.		0
110	Cerebral protection device for transvenous lead extraction in a patient with an intracardiac shunt. International Journal of Cardiology Congenital Heart Disease, 2021, 4, 100138.	0.4	0
111	Differentiation of pre-ablation and post-ablation late gadolinium-enhanced cardiac MRI scans of longstanding persistent atrial fibrillation patients. , 2017, , .		0
112	The impact of ultra-high-density mapping on long-term outcome after catheter ablation of ventricular tachycardia. Scientific Reports, 2022, 12, .	3.3	0