

Tom Wong

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	Stress Distribution and Fracture Resistance of repairing Cracked Tooth with Fiber-reinforced Composites and Onlay. <i>Australian Endodontic Journal</i> , 2022, 48, 458-464.	1.5	2
5	Beyond pulmonary vein isolation for persistent atrial fibrillation: sequential high-resolution mapping to guide ablation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 65, 53-62.	1.3	2
6	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
7	The long-term outcomes of cardiac implantable electronic devices implanted via the femoral route. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2022, , .	1.2	4
8	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
9	The impact of ultra-high-density mapping on long-term outcome after catheter ablation of ventricular tachycardia. <i>Scientific Reports</i> , 2022, 12, .	3.3	0
10	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
11	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
12	Spectral characterization and impact of stepwise ablation protocol including LAA electrical isolation on persistent AF. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 318-326.	1.2	1
13	Plasma miR-26a-5p is a biomarker for retinal neurodegeneration of early diabetic retinopathy. <i>Eye</i> , 2021, 35, 1587-1599.	2.1	7
14	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
15	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
16	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
17	Internationally validated score to predict the outcome of non-paroxysmal atrial fibrillation ablation: the "FLAME score"™. <i>Open Heart</i> , 2021, 8, e001653.	2.3	3
18	Cerebral protection device for transvenous lead extraction in a patient with an intracardiac shunt. <i>International Journal of Cardiology Congenital Heart Disease</i> , 2021, 4, 100138.	0.4	0

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19	Atrial Fibrillation, Obstructive Sleep Apnea, and Continuous Positive Airway Pressure: No Easy Fix. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 503-505.	5.6	1
20	Thoracoscopic surgical ablation versus catheter ablation as first-line treatment for long-standing persistent atrial fibrillation: the CASA-AF RCT. <i>Efficacy and Mechanism Evaluation</i> , 2021, 8, 1-122.	0.7	2
21	Left bundle pacing in transposition of the great arteries with previous atrial redirection operation. <i>HeartRhythm Case Reports</i> , 2021, 8, 176-179.	0.4	2
22	Conduction system pacing in adults with congenital heart disease. <i>International Journal of Cardiology Congenital Heart Disease</i> , 2021, 6, 100288.	0.4	2
23	The left atrial appendage in humans: structure, physiology, and pathogenesis. <i>Europace</i> , 2020, 22, 5-18.	1.7	24
24	Atrial scar quantification via multi-scale CNN in the graph-cuts framework. <i>Medical Image Analysis</i> , 2020, 60, 101595.	11.6	55
25	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
26	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
27	Intra-atrial block requiring dual-site atrial pacing through a femoral approach in a univentricular heart. <i>HeartRhythm Case Reports</i> , 2020, 6, 390-394.	0.4	3
28	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
29	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
30	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
31	Implantable cardiac electronic device therapy for patients with a systemic right ventricle. <i>Heart</i> , 2020, 106, 1052-1058.	2.9	3
32	A collective European experience with left atrial appendage suture ligation using the LARIAT+ device. <i>Europace</i> , 2020, 22, 924-931.	1.7	11
33	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
34	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
35	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	4.8	21
36	Deep Learning for Diagnosis of Chronic Myocardial Infarction on Nonenhanced Cardiac Cine MRI. <i>Radiology</i> , 2019, 291, 606-617.	7.3	144

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37	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
38	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
39	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
40	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
41	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
42	Atrial Scar Segmentation via Potential Learning in the Graph-Cut Framework. <i>Lecture Notes in Computer Science</i> , 2019, , 152-160.	1.3	3
43	Discriminative Consistent Domain Generation for Semi-supervised Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 595-604.	1.3	9
44	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
45	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
46	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
47	Primary safety results from the LEADLESS Observational Study. <i>Europace</i> , 2018, 20, 1491-1497.	1.7	36
48	An unusual "rite of passage"™ for an ablation catheter during left ventricular tachycardia ablation " a case report. <i>European Heart Journal - Case Reports</i> , 2018, 2, yty006.	0.6	0
49	Pacemakers and Internal Cardioverter Defibrillators in Adult Congenital Heart Disease. , 2018, , 232-252.		0
50	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
51	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
52	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
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	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

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55	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006569.	4.8	72
56	Arrhythmias in adult patients with congenital heart disease and pulmonary arterial hypertension. Heart, 2018, 104, 1963-1969.	2.9	39
57	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
58	Adversarial and Perceptual Refinement for Compressed Sensing MRI Reconstruction. Lecture Notes in Computer Science, 2018, , 232-240.	1.3	50
59	Multiview Two-Task Recursive Attention Model for Left Atrium and Atrial Scars Segmentation. Lecture Notes in Computer Science, 2018, , 455-463.	1.3	23
60	Safety and mid-term outcome of catheter ablation of ventricular tachycardia in octogenarians. Europace, 2017, 19, euw236.	1.7	7
61	The burden of proof: The current state of atrial fibrillation prevention and treatment trials. Heart Rhythm, 2017, 14, 763-782.	0.7	47
62	Characterization and consistency of interactions of triggers and substrate at the onset of paroxysmal atrial fibrillation. Europace, 2017, 19, 1454-1462.	1.7	9
63	Pacing in congenital heart disease – A four-decade experience in a single tertiary centre. International Journal of Cardiology, 2017, 241, 177-181.	1.7	8
64	Cardiac CT assessment of tissue thickness at the ostium of the left atrial appendage predicts acute success of radiofrequency ablation. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 1218-1226.	1.2	10
65	Catheter ablation vs electrophysiologically guided thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: The CASA-AF Study. Heart Rhythm, 2017, 14, 1596-1603.	0.7	31
66	A fully automatic deep learning method for atrial scarring segmentation from late gadolinium-enhanced MRI images. , 2017, , .		9
67	Evaluation of a novel high-resolution mapping system for catheter ablation of ventricular arrhythmias. Heart Rhythm, 2017, 14, 176-183.	0.7	60
68	Percutaneous left atrial appendage occlusion using different technologies in the United Kingdom: A multicenter registry. Catheterization and Cardiovascular Interventions, 2017, 89, 484-492.	1.7	31
69	Mortality, stroke, and heart failure in atrial fibrillation cohorts after ablation versus propensity-matched cohorts. Journal of Pragmatic and Observational Research, 2017, Volume 8, 99-106.	1.5	12
70	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. Cardiovascular Diabetology, 2017, 16, 97.	6.8	26
71	Stroke rates before and after ablation of atrial fibrillation and in propensity-matched controls in the UK. Journal of Pragmatic and Observational Research, 2017, Volume 8, 107-118.	1.5	8
72	Segmenting Atrial Fibrosis from Late Gadolinium-Enhanced Cardiac MRI by Deep-Learned Features with Stacked Sparse Auto-Encoders. Communications in Computer and Information Science, 2017, , 195-206.	0.5	8

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73	Multi-atlas propagation based left atrium segmentation coupled with super-voxel based pulmonary veins delineation in late gadolinium-enhanced cardiac MRI. Proceedings of SPIE, 2017, , .	0.8	4
74	Minimally Invasive Epicardial Surgical Ablation Alone Versus Hybrid Ablation for Atrial Fibrillation: A Systematic Review and Meta-Analysis. Arrhythmia and Electrophysiology Review, 2017, 6, 202.	2.4	14
75	Differentiation of pre-ablation and post-ablation late gadolinium-enhanced cardiac MRI scans of longstanding persistent atrial fibrillation patients. , 2017, , .		0
76	Biomarkers in Persistent AF and Heart Failure: Impact of Catheter Ablation Compared with Rate Control. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 926-934.	1.2	6
77	Left Atrial Appendage Electrical Isolation and Concomitant Device Occlusion to Treat Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	4.8	79
78	YI-5â€œ...Mortality and VT in ebsteinâ€™s anomaly of the tricuspid valve: A prospective cardiovascular magnetic resonance study. Heart, 2016, 102, A27.2-A27.	2.9	0
79	A low-dose, dual-phase cardiovascular CT protocol to assess left atrial appendage anatomy and exclude thrombus prior to left atrial intervention. International Journal of Cardiovascular Imaging, 2016, 32, 347-354.	1.5	46
80	Biatrial linear ablation in sustained nonpermanent AF: Results of the substrate modification with ablation and antiarrhythmic drugs in nonpermanent atrial fibrillation (SMAN-PAF) trial. Heart Rhythm, 2016, 13, 399-406.	0.7	47
81	Outcomes and costs of left atrial appendage closure from randomized controlled trial and real-world experience relative to oral anticoagulation. European Heart Journal, 2016, 37, 3470-3482.	2.2	40
82	Progressive modification of rotors in persistent atrial fibrillation by stepwise linear ablation. HeartRhythm Case Reports, 2015, 1, 22-26.	0.4	13
83	Rapid automatic segmentation of abnormal tissue in late gadolinium enhancement cardiovascular magnetic resonance images for improved management of long-standing persistent atrial fibrillation. BioMedical Engineering OnLine, 2015, 14, 88.	2.7	11
84	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. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	74
85	Relationship Between Contact Force Sensing Technology and Mediumâ€™Term Outcome of Atrial Fibrillation Ablation: A Multicenter Study of 600 Patients. Journal of Cardiovascular Electrophysiology, 2015, 26, 378-384.	1.7	63
86	Left atrial appendage electrical isolation and concomitant device occlusion: A safety and feasibility study with histologic characterization. Heart Rhythm, 2015, 12, 202-210.	0.7	25
87	Catheter Ablation for Atrial Fibrillation inâ€™Heart Failure Patients. JACC: Clinical Electrophysiology, 2015, 1, 200-209.	3.2	86
88	CT imaging for left atrial appendage closure: A review and pictorial essay. Journal of Cardiovascular Computed Tomography, 2015, 9, 89-102.	1.3	42
89	64â€™...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
90	Utility of a Novel Rapid High-Resolution Mapping System in the Catheter Ablation of Arrhythmias. JACC: Clinical Electrophysiology, 2015, 1, 411-420.	3.2	57

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91	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
92	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
93	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
94	Severe Mitral Annular Calcification: Insights from Multimodality Imaging. <i>Texas Heart Institute Journal</i> , 2014, 41, 245-247.	0.3	4
95	Atrial Tachycardia after AF Ablation: An Alternate Mechanism?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 375-378.	1.2	0
96	Organizational Index Mapping to Identify Focal Sources During Persistent Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 355-363.	1.7	29
97	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
98	Efficacy of Catheter Ablation for Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 841-852.	4.8	132
99	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
100	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
101	Catheter ablation versus rate control for atrial fibrillation: what have we learnt from the ARC-HF trial?. <i>Future Cardiology</i> , 2013, 9, 599-602.	1.2	1
102	Impact of Stepwise Ablation on the Batrial Substrate in Patients With Persistent Atrial Fibrillation and Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 761-768.	4.8	13
103	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
104	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
105	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
106	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
107	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
108	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

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109	Mechano-Electrical Interaction Late After Fontan Operation. <i>Circulation</i> , 2004, 109, 2319-2325.	1.6	55
110	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
111	Percutaneous Pulmonary Vein Cryoablation to Treat Atrial Fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2004, 11, 117-126.	1.3	30
112	Cryoablation of Focal Atrial Tachycardia Originating Close to the Atrioventricular Node. <i>Journal of Cardiovascular Electrophysiology</i> , 2004, 15, 838-838.	1.7	10