Malcolm C Finlay

List of Publications by Year
in descending order

79 papers	1,641 citations	279798 23 h-index	330143 37 g-index
80 all docs	80 docs citations	80 times ranked	2829 citing authors

#	Article	IF	Citations
1	Maintenance of sinus rhythm with an ablation strategy in patients with atrial fibrillation is associated with a lower risk of stroke and death. Heart, 2012, 98, 48-53.	2.9	163
2	Electrophysiological abnormalities precede overt structural changes in arrhythmogenic right ventricular cardiomyopathy due to mutations in desmoplakin-A combined murine and human study. European Heart Journal, 2012, 33, 1942-1953.	2.2	155
3	Through-needle all-optical ultrasound imaging in vivo: a preclinical swine study. Light: Science and Applications, 2017, 6, e17103-e17103.	16.6	90
4	Pointâ€byâ€Point Radiofrequency Ablation Versus the Cryoballoon or a Novel Combined Approach: A Randomized Trial Comparing 3 Methods of Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation (The Cryo Versus RF Trial). Journal of Cardiovascular Electrophysiology, 2015, 26, 1307-1314.	1.7	79
5	Catheter ablation of atrial fibrillation in patients with heart failure: impact of maintaining sinus rhythm on heart failure status and long-term rates of stroke and death. Europace, 2016, 18, 679-686.	1.7	61
6	Anatomically realistic ultrasound phantoms using gel wax with 3D printed moulds. Physics in Medicine and Biology, 2018, 63, 015033.	3.0	52
7	Catheter Ablation for Atrial Fibrillation on Uninterrupted Warfarin: Can It Be Done Without Echo Guidance?. Journal of Cardiovascular Electrophysiology, 2011, 22, 265-270.	1.7	49
8	All-Optical Rotational Ultrasound Imaging. Scientific Reports, 2019, 9, 5576.	3.3	47
9	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. Europace, 2016, 18, 211-218.	1.7	41
10	Ablation Index and Surround Flow Catheter Irrigation. JACC: Clinical Electrophysiology, 2017, 3, 1080-1088.	3.2	37
11	The lung impedance monitoring in treatment of chronic heart failure (the LIMIT-CHF study). Europace, 2016, 18, 428-435.	1.7	36
12	Differentially expressed genes for atrial fibrillation identified by RNA sequencing from paired human left and right atrial appendages. Physiological Genomics, 2019, 51, 323-332.	2.3	35
13	Looking beyond the imaging plane: 3D needle tracking with a linear array ultrasound probe. Scientific Reports, 2017, 7, 3674.	3.3	33
14	A randomised comparison of Cartomerge vs. NavX fusion in the catheter ablation of atrial fibrillation: The CAVERN Trial. Journal of Interventional Cardiac Electrophysiology, 2012, 33, 161-169.	1.3	31
15	Comparison of a high throughput day case atrial fibrillation ablation service in a local hospital with standard regional tertiary cardiac centre care. Europace, 2019, 21, 440-444.	1.7	30
16	Impact of Type-2 Diabetes Mellitus on the Outcomes of Catheter Ablation of Atrial Fibrillation (European Observational Multicentre Study). American Journal of Cardiology, 2020, 125, 901-906.	1.6	30
17	Effect of mental stress on dynamic electrophysiological properties of the endocardium and epicardium in humans. Heart Rhythm, 2016, 13, 175-182.	0.7	29
18	Cryoablation for persistent and longstanding persistent atrial fibrillation: results from a multicentre European registry. Europace, 2020, 22, 375-381.	1.7	29

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19	First experience of POLARxâ„¢ versus Arctic Front Advanceâ„¢: An early technology comparison. Journal of Cardiovascular Electrophysiology, 2021, 32, 925-930.	1.7	29
20	Sameâ€day discharge following catheter ablation of atrial fibrillation: A safe and costâ€effective approach. Journal of Cardiovascular Electrophysiology, 2020, 31, 3097-3103.	1.7	27
21	Absence of the Regulator of G-protein Signaling, RGS4, Predisposes to Atrial Fibrillation and Is Associated with Abnormal Calcium Handling. Journal of Biological Chemistry, 2015, 290, 19233-19244.	3.4	26
22	All-optical dual photoacoustic and optical coherence tomography intravascular probe. Photoacoustics, 2018, 11, 65-70.	7.8	26
23	Evaluation of the reentry vulnerability index to predict ventricular tachycardia circuits using high-density contact mapping. Heart Rhythm, 2020, 17, 576-583.	0.7	25
24	Panoramic atrial mapping with basket catheters: A quantitative analysis to optimize practice, patient selection, and catheter choice. Journal of Cardiovascular Electrophysiology, 2017, 28, 1423-1432.	1.7	24
25	Obesity and diabetes are major risk factors for epicardial adipose tissue inflammation. JCI Insight, 2021, 6, .	5.0	24
26	ATP-sensitive potassium channels in the sinoatrial node contribute to heart rate control and adaptation to hypoxia. Journal of Biological Chemistry, 2018, 293, 8912-8921.	3.4	23
27	Inflammation and adiposity: new frontiers in atrial fibrillation. Europace, 2020, 22, 1609-1618.	1.7	23
28	Uninterrupted Warfarin for Periprocedural Anticoagulation in Catheter Ablation of Typical Atrial Flutter: A Safe and Costâ€Effective Strategy. Journal of Cardiovascular Electrophysiology, 2010, 21, 150-154.	1.7	19
29	Haemodynamic consequences of targeted single- and dual-site right ventricular pacing in adults with congenital heart disease undergoing surgical pulmonary valve replacement. Europace, 2015, 17, 274-280.	1.7	19
30	A nurseâ€led implantable loop recorder service is safe and cost effective. Journal of Cardiovascular Electrophysiology, 2019, 30, 2900-2906.	1.7	17
31	The control of cardiac ventricular excitability by autonomic pathways. , 2017, 174, 97-111.		16
32	Catheter ablation of atrial fibrillation in patients with hypertrophic cardiomyopathy: a European observational multicentre study. Europace, 2021, 23, 1409-1417.	1.7	16
33	Heart Rate Recovery in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2014, 113, 1011-1017.	1.6	15
34	Increased prothrombotic profile in the left atrial appendage of atrial fibrillation patients. International Journal of Cardiology, 2015, 185, 250-255.	1.7	15
35	Diagnosing coronary artery disease in diabetic patients. Diabetes/Metabolism Research and Reviews, 2002, 18, 201-208.	4.0	14
36	Ultrasonic Needle Tracking with a Fibre-Optic Ultrasound Transmitter for Guidance of Minimally Invasive Fetal Surgery. Lecture Notes in Computer Science, 2017, 10434, 637-645.	1.3	14

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37	Improved Electrogram Attenuation during Ablation of Paroxysmal Atrial Fibrillation with the Hansen Robotic System. PACE - Pacing and Clinical Electrophysiology, 2012, 35, 730-738.	1.2	12
38	The Hot and the Cold: Radiofrequency Versus Cryoballoon Ablation for Atrial Fibrillation. Current Cardiology Reports, 2015, 17, 631.	2.9	12
39	Medium-term outcomes of idiopathic ventricular fibrillation survivors and family screening: a multicentre experience. Europace, 2016, 19, euw251.	1.7	12
40	A novel technique for performing transseptal puncture guided by a nonâ€fluoroscopic 3D mapping system. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 4-12.	1.2	12
41	The Bypass Angioplasty Revascularization in Type 1 and Type 2 Diabetes study: 5-year follow-up of revascularization with percutaneous coronary intervention versus coronary artery bypass grafting in diabetic patients with multivessel disease. Journal of Cardiovascular Medicine, 2010, 11, 26-33.	1.5	11
42	The contribution of pathways initiated via the Gq G-protein family to atrial fibrillation. Pharmacological Research, 2016, 105, 54-61.	7.1	11
43	The impact of virtual arrhythmia clinics following catheter ablation for atrial fibrillation. European Heart Journal Quality of Care & Clinical Outcomes, 2019, 5, 272-273.	4.0	11
44	Precision-Microfabricated Fiber-Optic Probe for Intravascular Pressure and Temperature Sensing. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	2.9	11
45	Dynamic Conduction and Repolarisation Changes in Early Arrhythmogenic Right Ventricular Cardiomyopathy versus Benign Outflow Tract Ectopy Demonstrated by High Density Mapping & Paced Surface ECG Analysis. PLoS ONE, 2014, 9, e99125.	2.5	11
46	A randomized-controlled trial comparing conventional with minimal catheter approaches for the mapping and ablation of regular supraventricular tachycardias. Europace, 2009, 11, 1057-1064.	1.7	10
47	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. Wellcome Open Research, 2020, 5, 179.	1.8	10
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	Catheter ablation for fascicular ventricular tachycardia: A systematic review. International Journal of Cardiology, 2019, 276, 136-148.	1.7	9
50	Bridging the gap between computation and clinical biology: validation of cable theory in humans. Frontiers in Physiology, 2013, 4, 213.	2.8	8
51	Impact of pulmonary vein isolation on mechanisms sustaining persistent atrial fibrillation: Predicting the acute response. Journal of Cardiovascular Electrophysiology, 2020, 31, 903-912.	1.7	8
52	Wall-less vascular poly(vinyl) alcohol gel ultrasound imaging phantoms using 3D printed vessels. , 2019, , .		8
53	Do Traditional VT Zones Improve Outcome in Primary Prevention ICD Patients?. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 1353-1358.	1.2	7
54	Non-vitamin K oral anticoagulants at the time of cardiac rhythm device surgery: A systematic review and meta-analysis. Thrombosis Research, 2020, 188, 90-96.	1.7	7

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55	PolarX Cryoballoon metrics predicting successful pulmonary vein isolation: targets for ablation of atrial fibrillation. Europace, 2022, 24, 1420-1429.	1.7	7
56	Autonomic modulation of the electrical substrate in mice haploinsufficient for cardiac sodium channels: a model of the Brugada syndrome. American Journal of Physiology - Cell Physiology, 2019, 317, C576-C583.	4.6	6
57	Nonâ€“vitamin K oral anticoagulants in hypertrophic cardiomyopathy patients undergoing catheter ablation of atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2020, 31, 2626-2631.	1.7	6
58	Optically Generated Ultrasound for Intracoronary Imaging. Frontiers in Cardiovascular Medicine, 2020, 7, 525530.	2.4	5
59	Transseptal puncture for left atrial ablation: Risk factors for cardiac tamponade and a proposed causative classification system. Journal of Cardiovascular Electrophysiology, 2022, 33, 1747-1755.	1.7	5
60	Finally getting closure?. International Journal of Clinical Practice, 2007, 61, 355-356.	1.7	4
61	Real-Time, Video-Rate and Depth-Resolved Imaging of Radio-Frequency Ablation Using All-Optical Ultrasound. , 2018, , .		4
62	Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver. Journal of Visualized Experiments, 2018, , .	0.3	4
63	Full blood count as potential predictor of outcomes in patients undergoing cardiac resynchronization therapy. Scientific Reports, 2019, 9, 13016.	3.3	4
64	Ethanol ablation for ventricular arrhythmias: A systematic review and metaâ€analysis. Journal of Cardiovascular Electrophysiology, 2022, 33, 510-526.	1.7	4
65	Optical interferometric temperature sensors for intravascular blood flow measurements. , 2019, , .		3
66	Contemporary Practice and Optimising Referral Pathways for Implantable Cardiac Monitoring for Atrial Fibrillation after Cryptogenic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106474.	1.6	3
67	OUP accepted manuscript. European Heart Journal Quality of Care & Clinical Outcomes, 2021, , .	4.0	2
68	Myocardial function may improve equally in diabetic patients following both multivessel percutaneous coronary intervention and coronary artery bypass grafting: results from a CARDia trial substudy. European Journal of Echocardiography, 2011, 12, 904-909.	2.3	1
69	A dolus of i.v. amiodarone. European Heart Journal, 2016, 38, ehw327.	2.2	1
70	Procedural and quality assessment data on catheter ablation for fascicular ventricular tachycardia. Data in Brief, 2018, 21, 2376-2378.	1.0	1
71	Percutaneous left ventricular endocardial leads: adverse outcomes and a percutaneous extraction case series. European Heart Journal - Case Reports, 2020, 4, 1-5.	0.6	1
72	Real-time all-optical ultrasound imaging of a dynamic heart valve phantom. , 2021, , .		1

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73	Coronary sinus electrogram characteristics predicts termination of AF with ablation and longâ€term clinical outcome.. Journal of Cardiovascular Electrophysiology, 0, , .	1.7	1
74	A broad complex tachycardia with conflicting information from pacing manoeuvres. Europace, 2009, 11, 1392-1395.	1.7	0
75	Attempting to cure atrial fibrillation during mitral valve surgery: can we measure a benefit?. European Heart Journal Quality of Care & Clinical Outcomes, 2016, 2, 235-236.	4.0	0
76	Endocardial biventricular defibrillator implantation in a patient with superior vena cava obstruction. Europace, 2016, 18, 500-500.	1.7	0
77	Fluoroscopy guided axillary vein access versus cephalic vein access in pacemaker and defibrillator implantation: Randomized clinical trial of efficacy and safety. Journal of Cardiovascular Electrophysiology, 2019, 30, 2183-2183.	1.7	0
78	Left atrial appendage occlusion: a niche procedure for a niche cohort?. European Heart Journal Quality of Care & Clinical Outcomes, 2021, 7, 429-430.	4.0	0
79	Risk factors for developing pacing induced LV dysfunction: Experience from a tertiary center in the UK. PACE - Pacing and Clinical Electrophysiology, 2022, , .	1.2	0