

# Malcolm C Finlay

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

1,641  
citations

279487

23  
h-index

329751

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. <i>Heart</i> , 2012, 98, 48-53.	1.2	163
2	Electrophysiological abnormalities precede overt structural changes in arrhythmogenic right ventricular cardiomyopathy due to mutations in desmoplakin-A combined murine and human study. <i>European Heart Journal</i> , 2012, 33, 1942-1953.	1.0	155
3	Through-needle all-optical ultrasound imaging in vivo: a preclinical swine study. <i>Light: Science and Applications</i> , 2017, 6, e17103-e17103.	7.7	90
4	Point-by-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). <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 1307-1314.	0.8	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. <i>Europace</i> , 2016, 18, 679-686.	0.7	61
6	Anatomically realistic ultrasound phantoms using gel wax with 3D printed moulds. <i>Physics in Medicine and Biology</i> , 2018, 63, 015033.	1.6	52
7	Catheter Ablation for Atrial Fibrillation on Uninterrupted Warfarin: Can It Be Done Without Echo Guidance?. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 265-270.	0.8	49
8	All-Optical Rotational Ultrasound Imaging. <i>Scientific Reports</i> , 2019, 9, 5576.	1.6	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. <i>Europace</i> , 2016, 18, 211-218.	0.7	41
10	Ablation Index and Surround Flow Catheter Irrigation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1080-1088.	1.3	37
11	The lung impedance monitoring in treatment of chronic heart failure (the LIMIT-CHF study). <i>Europace</i> , 2016, 18, 428-435.	0.7	36
12	Differentially expressed genes for atrial fibrillation identified by RNA sequencing from paired human left and right atrial appendages. <i>Physiological Genomics</i> , 2019, 51, 323-332.	1.0	35
13	Looking beyond the imaging plane: 3D needle tracking with a linear array ultrasound probe. <i>Scientific Reports</i> , 2017, 7, 3674.	1.6	33
14	A randomised comparison of Cartomerge vs. NavX fusion in the catheter ablation of atrial fibrillation: The CAVERN Trial. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2012, 33, 161-169.	0.6	31
15	Comparison of a high throughput day case atrial fibrillation ablation service in a local hospital with standard regional tertiary cardiac centre care. <i>Europace</i> , 2019, 21, 440-444.	0.7	30
16	Impact of Type-2 Diabetes Mellitus on the Outcomes of Catheter Ablation of Atrial Fibrillation (European Observational Multicentre Study). <i>American Journal of Cardiology</i> , 2020, 125, 901-906.	0.7	30
17	Effect of mental stress on dynamic electrophysiological properties of the endocardium and epicardium in humans. <i>Heart Rhythm</i> , 2016, 13, 175-182.	0.3	29
18	Cryoablation for persistent and longstanding persistent atrial fibrillation: results from a multicentre European registry. <i>Europace</i> , 2020, 22, 375-381.	0.7	29

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19	First experience of POLARx <sup>®</sup> versus Arctic Front Advance <sup>®</sup> : An early technology comparison. Journal of Cardiovascular Electrophysiology, 2021, 32, 925-930.	0.8	29
20	Same-day discharge following catheter ablation of atrial fibrillation: A safe and cost-effective approach. Journal of Cardiovascular Electrophysiology, 2020, 31, 3097-3103.	0.8	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.	1.6	26
22	All-optical dual photoacoustic and optical coherence tomography intravascular probe. Photoacoustics, 2018, 11, 65-70.	4.4	26
23	Evaluation of the reentry vulnerability index to predict ventricular tachycardia circuits using high-density contact mapping. Heart Rhythm, 2020, 17, 576-583.	0.3	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.	0.8	24
25	Obesity and diabetes are major risk factors for epicardial adipose tissue inflammation. JCI Insight, 2021, 6, .	2.3	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.	1.6	23
27	Inflammation and adiposity: new frontiers in atrial fibrillation. Europace, 2020, 22, 1609-1618.	0.7	23
28	Uninterrupted Warfarin for Periprocedural Anticoagulation in Catheter Ablation of Typical Atrial Flutter: A Safe and Cost-Effective Strategy. Journal of Cardiovascular Electrophysiology, 2010, 21, 150-154.	0.8	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.	0.7	19
30	A nurse-led implantable loop recorder service is safe and cost effective. Journal of Cardiovascular Electrophysiology, 2019, 30, 2900-2906.	0.8	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.	0.7	16
33	Heart Rate Recovery in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2014, 113, 1011-1017.	0.7	15
34	Increased prothrombotic profile in the left atrial appendage of atrial fibrillation patients. International Journal of Cardiology, 2015, 185, 250-255.	0.8	15
35	Diagnosing coronary artery disease in diabetic patients. Diabetes/Metabolism Research and Reviews, 2002, 18, 201-208.	1.7	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.	1.0	14

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37	Improved Electrogram Attenuation during Ablation of Paroxysmal Atrial Fibrillation with the Hansen Robotic System. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012, 35, 730-738.	0.5	12
38	The Hot and the Cold: Radiofrequency Versus Cryoballoon Ablation for Atrial Fibrillation. <i>Current Cardiology Reports</i> , 2015, 17, 631.	1.3	12
39	Medium-term outcomes of idiopathic ventricular fibrillation survivors and family screening: a multicentre experience. <i>Europace</i> , 2016, 19, euw251.	0.7	12
40	A novel technique for performing transseptal puncture guided by a non-fluoroscopic 3D mapping system. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 4-12.	0.5	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. <i>Journal of Cardiovascular Medicine</i> , 2010, 11, 26-33.	0.6	11
42	The contribution of pathways initiated via the Gq G-protein family to atrial fibrillation. <i>Pharmacological Research</i> , 2016, 105, 54-61.	3.1	11
43	The impact of virtual arrhythmia clinics following catheter ablation for atrial fibrillation. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2019, 5, 272-273.	1.8	11
44	Precision-Microfabricated Fiber-Optic Probe for Intravascular Pressure and Temperature Sensing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-12.	1.9	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. <i>PLoS ONE</i> , 2014, 9, e99125.	1.1	11
46	A randomized-controlled trial comparing conventional with minimal catheter approaches for the mapping and ablation of regular supraventricular tachycardias. <i>Europace</i> , 2009, 11, 1057-1064.	0.7	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. <i>Wellcome Open Research</i> , 2020, 5, 179.	0.9	10
48	Panoramic characterization of endocardial left atrial activation during human persistent AF: Insights from non-contact mapping. <i>International Journal of Cardiology</i> , 2017, 228, 406-411.	0.8	9
49	Catheter ablation for fascicular ventricular tachycardia: A systematic review. <i>International Journal of Cardiology</i> , 2019, 276, 136-148.	0.8	9
50	Bridging the gap between computation and clinical biology: validation of cable theory in humans. <i>Frontiers in Physiology</i> , 2013, 4, 213.	1.3	8
51	Impact of pulmonary vein isolation on mechanisms sustaining persistent atrial fibrillation: Predicting the acute response. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 903-912.	0.8	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?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 1353-1358.	0.5	7
54	Non-vitamin K oral anticoagulants at the time of cardiac rhythm device surgery: A systematic review and meta-analysis. <i>Thrombosis Research</i> , 2020, 188, 90-96.	0.8	7

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55	PolarX Cryoballoon metrics predicting successful pulmonary vein isolation: targets for ablation of atrial fibrillation. <i>Europace</i> , 2022, 24, 1420-1429.	0.7	7
56	Autonomic modulation of the electrical substrate in mice haploinsufficient for cardiac sodium channels: a model of the Brugada syndrome. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C576-C583.	2.1	6
57	Non-vitamin K oral anticoagulants in hypertrophic cardiomyopathy patients undergoing catheter ablation of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2626-2631.	0.8	6
58	Optically Generated Ultrasound for Intracoronary Imaging. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 525530.	1.1	5
59	Transseptal puncture for left atrial ablation: Risk factors for cardiac tamponade and a proposed causative classification system. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 1747-1755.	0.8	5
60	Finally getting closure?. <i>International Journal of Clinical Practice</i> , 2007, 61, 355-356.	0.8	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. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	4
63	Full blood count as potential predictor of outcomes in patients undergoing cardiac resynchronization therapy. <i>Scientific Reports</i> , 2019, 9, 13016.	1.6	4
64	Ethanol ablation for ventricular arrhythmias: A systematic review and meta-analysis. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 510-526.	0.8	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. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106474.	0.7	3
67	OUP accepted manuscript. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2021, , .	1.8	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. <i>European Journal of Echocardiography</i> , 2011, 12, 904-909.	2.3	1
69	A dolus of i.v. amiodarone. <i>European Heart Journal</i> , 2016, 38, ehw327.	1.0	1
70	Procedural and quality assessment data on catheter ablation for fascicular ventricular tachycardia. <i>Data in Brief</i> , 2018, 21, 2376-2378.	0.5	1
71	Percutaneous left ventricular endocardial leads: adverse outcomes and a percutaneous extraction case series. <i>European Heart Journal - Case Reports</i> , 2020, 4, 1-5.	0.3	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 long-term clinical outcome.. Journal of Cardiovascular Electrophysiology, 0, , .	0.8	1
74	A broad complex tachycardia with conflicting information from pacing manoeuvres. Europace, 2009, 11, 1392-1395.	0.7	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.	1.8	0
76	Endocardial biventricular defibrillator implantation in a patient with superior vena cava obstruction. Europace, 2016, 18, 500-500.	0.7	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.	0.8	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.	1.8	0
79	Risk factors for developing pacing induced LV dysfunction: Experience from a tertiary center in the UK. PACE - Pacing and Clinical Electrophysiology, 2022, , .	0.5	0