

Anand Ganesan

List of Publications by Year in descending order

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83
papers

4,027
citations

218381

26
h-index

123241

61
g-index

87
all docs

87
docs citations

87
times ranked

5818
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term Outcomes of Catheter Ablation of Atrial Fibrillation: A Systematic Review and Meta-analysis. <i>Journal of the American Heart Association</i> , 2013, 2, e004549.	1.6	622
2	Elevated Cytosolic Na ⁺ Decreases Mitochondrial Ca ²⁺ Uptake During Excitation-Contraction Coupling and Impairs Energetic Adaptation in Cardiac Myocytes. <i>Circulation Research</i> , 2006, 99, 172-182.	2.0	335
3	The impact of atrial fibrillation type on the risk of thromboembolism, mortality, and bleeding: a systematic review and meta-analysis. <i>European Heart Journal</i> , 2016, 37, 1591-1602.	1.0	296
4	Complications of Catheter Ablation of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 1082-1088.	2.1	236
5	Remote Monitoring of Implantable Cardioverter-Defibrillators. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2591-2600.	1.2	202
6	Obesity and the Risk of Incident, Post-Operative, and Post-Ablation Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 139-152.	1.3	191
7	Role of AV Nodal Ablation in Cardiac Resynchronization in Patients With Coexistent Atrial Fibrillation and Heart Failure. <i>Journal of the American College of Cardiology</i> , 2012, 59, 719-726.	1.2	189
8	Epicardial fat and atrial fibrillation: current evidence, potential mechanisms, clinical implications, and future directions. <i>European Heart Journal</i> , 2017, 38, ehw045.	1.0	188
9	Reconstruction of Instantaneous Phase of Unipolar Atrial Contact Electrogram Using a Concept of Sinusoidal Recomposition and Hilbert Transform. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 296-302.	2.5	144
10	Importance of the underlying substrate in determining thrombus location in atrial fibrillation: implications for left atrial appendage closure. <i>Heart</i> , 2012, 98, 1120-1126.	1.2	110
11	Bipolar Electrogram Shannon Entropy at Sites of Rotational Activation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 48-57.	2.1	107
12	Troponin-positive chest pain with unobstructed coronary arteries: incremental diagnostic value of cardiovascular magnetic resonance imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1146-1152.	0.5	102
13	Ca ²⁺ -Adrenergic Stimulation of L-type Ca ²⁺ Channels in Cardiac Myocytes Requires the Distal Carboxyl Terminus of α_1C but Not Serine 1928. <i>Circulation Research</i> , 2006, 98, e11-8.	2.0	95
14	Venturing into ventricular arrhythmia storm: a systematic review and meta-analysis. <i>European Heart Journal</i> , 2013, 34, 560-571.	1.0	84
15	International Mobile-Health Intervention on Physical Activity, Sitting, and Weight. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2453-2463.	1.2	81
16	Impact of Late Gadolinium Enhancement on mortality, sudden death and major adverse cardiovascular events in ischemic and nonischemic cardiomyopathy: A systematic review and meta-analysis. <i>International Journal of Cardiology</i> , 2018, 254, 230-237.	0.8	69
17	The Role of Cardiac Imaging in the Diagnosis and Management of Anderson-Fabry Disease. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1230-1242.	2.3	64
18	Catheter Ablation of Atrial Fibrillation in Patients with Concomitant Left Ventricular Impairment: a Systematic Review of Efficacy and Effect on Ejection Fraction. <i>Heart Lung and Circulation</i> , 2015, 24, 270-280.	0.2	60

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19	High-Density Mapping of Ventricular Scar. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 90-98.	2.1	56
20	Cardiac Sodium-Calcium Exchanger Is Regulated by Allosteric Calcium and Exchanger Inhibitory Peptide at Distinct Sites. <i>Circulation Research</i> , 2005, 96, 91-99.	2.0	52
21	Human renal fibroblasts modulate proximal tubule cell growth and transport via the IGF-I axis. <i>Kidney International</i> , 1997, 52, 1486-1496.	2.6	51
22	Aortic Stiffness in Lone Atrial Fibrillation: A Novel Risk Factor for Arrhythmia Recurrence. <i>PLoS ONE</i> , 2013, 8, e76776.	1.1	47
23	Effectiveness of Wearable Trackers on Physical Activity in Healthy Adults: Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>JMIR MHealth and UHealth</i> , 2020, 8, e15576.	1.8	46
24	Renewal Theory as a Universal Quantitative Framework to Characterize Phase Singularity Regeneration in Mammalian Cardiac Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007569.	2.1	35
25	Institutional Variation in Quality of Cardiovascular Implantable Electronic Device Implantation. <i>Annals of Internal Medicine</i> , 2019, 171, 309.	2.0	32
26	Sex Differences in Acute Complications of Cardiac Implantable Electronic Devices: Implications for Patient Safety. <i>Journal of the American Heart Association</i> , 2019, 8, e010869.	1.6	31
27	Examining adherence to activity monitoring devices to improve physical activity in adults with cardiovascular disease: A systematic review. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 382-397.	0.8	27
28	Quantitative-Electrogram-Based Methods for Guiding Catheter Ablation in Atrial Fibrillation. <i>Proceedings of the IEEE</i> , 2016, 104, 416-431.	16.4	26
29	A Randomised Controlled Trial on the Effect of Nurse-Led Educational Intervention at the Time of Catheter Ablation for Atrial Fibrillation on Quality of Life, Symptom Severity and Rehospitalisation. <i>Heart Lung and Circulation</i> , 2017, 26, 73-81.	0.2	25
30	Information Theory and Atrial Fibrillation (AF): A Review. <i>Frontiers in Physiology</i> , 2018, 9, 957.	1.3	23
31	Advanced Echocardiographic Imaging for Prediction of SCD in Moderate and Severe LV Systolic Function. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 604-612.	2.3	21
32	Entropy Analysis of RR and QT Interval Variability during Orthostatic and Mental Stress in Healthy Subjects. <i>Entropy</i> , 2014, 16, 6384-6393.	1.1	20
33	Underuse and overuse of anticoagulation for atrial fibrillation: A study in Indigenous and non-Indigenous Australians. <i>International Journal of Cardiology</i> , 2015, 191, 20-24.	0.8	20
34	Mapping and Ablation of the Pulmonary Veins and Cavo-Tricuspid Isthmus With a Magnetic Resonance Imaging-compatible Externally Irrigated Ablation Catheter and Integrated Electrophysiology System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1136-1142.	2.1	19
35	Atrial fibrillation burden: an update—the need for a CHA2DS2-VASc-AFBurden score. <i>Europace</i> , 2021, 23, 665-673.	0.7	16
36	Comparison of Left Ventricular Ejection Fraction and Inducible Ventricular Tachycardia in ST-Elevation Myocardial Infarction Treated by Primary Angioplasty Versus Thrombolysis. <i>American Journal of Cardiology</i> , 2008, 101, 153-157.	0.7	15

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37	The effect of adenotonsillectomy for childhood sleep apnoea on cardiorespiratory control. <i>ERJ Open Research</i> , 2016, 2, 00003-2016.	1.1	15
38	Mobile health: an emerging technology with implications for global internal medicine. <i>Internal Medicine Journal</i> , 2017, 47, 616-619.	0.5	15
39	High-density mapping of atrial fibrillation in a chronic substrate: Evidence for distinct modes of repetitive wavefront propagation. <i>International Journal of Cardiology</i> , 2015, 199, 407-414.	0.8	14
40	M/M/Infinity Birth-Death Processes – A Quantitative Representational Framework to Summarize and Explain Phase Singularity and Wavelet Dynamics in Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2020, 11, 616866.	1.3	14
41	Characteristics of ectopic triggers associated with paroxysmal and persistent atrial fibrillation: Evidence for a changing role. <i>Heart Rhythm</i> , 2012, 9, 1367-1374.	0.3	13
42	Development of Time- and Voltage-Domain Mapping (V-T-Mapping) to Localize Ventricular Tachycardia Channels During Sinus Rhythm. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	13
43	Origin and Characteristics of High Shannon Entropy at the Pivot of Locally Stable Rotors: Insights from Computational Simulation. <i>PLoS ONE</i> , 2014, 9, e110662.	1.1	12
44	Effectiveness of discharge education strategies versus usual care on clinical outcomes in acute coronary syndrome patients: a systematic review. <i>JBIC Evidence Synthesis</i> , 2020, 18, 309-331.	0.6	12
45	Is Atrial Fibrillation a Stroke Risk Factor or Risk Marker? An Appraisal Using the Bradford Hill Framework for Causality. <i>Heart Lung and Circulation</i> , 2020, 29, 86-93.	0.2	11
46	Atrial fibrosis and substrate based characterization in atrial fibrillation: Time to move forwards. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1147-1160.	0.8	11
47	A governing equation for rotor and wavelet number in human clinical ventricular fibrillation: Implications for sudden cardiac death. <i>Heart Rhythm</i> , 2021, . .	0.3	11
48	Reverse engineering the L-type Ca ²⁺ channel α_1c subunit in adult cardiac myocytes using novel adenoviral vectors. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 749-754.	1.0	10
49	Ten-year trends in mortality and complications following catheter ablation of atrial fibrillation. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2022, 8, 398-408.	1.8	10
50	Local Electrical Dyssynchrony during Atrial Fibrillation: Theoretical Considerations and Initial Catheter Ablation Results. <i>PLoS ONE</i> , 2016, 11, e0164236.	1.1	9
51	Electrophysiologic features of protected channels in late postinfarction patients with and without spontaneous ventricular tachycardia. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2018, 51, 13-24.	0.6	9
52	Gender differences in complications following catheter ablation of atrial fibrillation. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2021, 7, 458-467.	1.8	9
53	Electrophysiological and Structural Remodeling of the Atria in a Mouse Model of Troponin-I Mutation Linked Hypertrophic Cardiomyopathy: Implications for Atrial Fibrillation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6941.	1.8	9
54	Complications of cardiac implantable electronic device placement in public and private hospitals. <i>Internal Medicine Journal</i> , 2020, 50, 1207-1216.	0.5	8

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55	Vomiting, electrolyte disturbance, and medications; the perfect storm for acquired long QT syndrome and cardiac arrest: a case report. <i>Journal of Medical Case Reports</i> , 2022, 16, 9.	0.4	8
56	Institutional Variation in 30-Day Complications Following Catheter Ablation of Atrial Fibrillation. <i>Journal of the American Heart Association</i> , 2022, 11, e022009.	1.6	8
57	The Keeping on Track Study: Exploring the Activity Levels and Utilization of Healthcare Services of Acute Coronary Syndrome (ACS) Patients in the First 30-Days after Discharge from Hospital. <i>Medical Sciences (Basel, Switzerland)</i> , 2019, 7, 61.	1.3	6
58	Temporal stability and specificity of high bipolar electrogram entropy regions in sustained atrial fibrillation: Implications for mapping. <i>Journal of Electrocardiology</i> , 2019, 53, 18-27.	0.4	6
59	Quantitative description of the 3D regional mechanics of the left atrium using cardiac magnetic resonance imaging. <i>Physiological Measurement</i> , 2014, 35, 763-775.	1.2	5
60	Prospective cross-sectional study using Poisson renewal theory to study phase singularity formation and destruction rates in atrial fibrillation (RENEWAL-AF): Study design. <i>Journal of Arrhythmia</i> , 2020, 36, 660-667.	0.5	5
61	Reconceptualising Atrial Fibrillation Using Renewal Theory: A Novel Approach to the Assessment of Atrial Fibrillation Dynamics. <i>Arrhythmia and Electrophysiology Review</i> , 2021, 10, 77-84.	1.3	5
62	Utilisation and safety of catheter ablation of atrial fibrillation in public and private sector hospitals. <i>BMC Health Services Research</i> , 2021, 21, 883.	0.9	5
63	Characteristics that Predict Response After Cardiac Resynchronization Therapy. <i>Current Cardiovascular Risk Reports</i> , 2020, 14, 1.	0.8	5
64	Slowed atrial and atrioventricular conduction and depressed $\langle \text{HRV} \rangle$ in a murine model of hypertrophic cardiomyopathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 95-101.	0.9	4
65	Comparative spatial resolution of 12-lead electrocardiography and an automated algorithm. <i>Heart Rhythm</i> , 2020, 17, 324-331.	0.3	4
66	Adherence to activity monitoring devices or smartphone applications for improving physical activity in adults with cardiovascular disease: a systematic review protocol. <i>JBHI Database of Systematic Reviews and Implementation Reports</i> , 2018, 16, 1634-1642.	1.7	4
67	Institutional Variation in Quality of Cardiovascular Implantable Electronic Device Implantation. <i>Annals of Internal Medicine</i> , 2020, 172, 166.	2.0	3
68	Spatial concentration and distribution of phase singularities in human atrial fibrillation: Insights for the AF mechanism. <i>Journal of Arrhythmia</i> , 2021, 37, 922-930.	0.5	3
69	Understanding the origins of the basic equations of statistical fibrillatory dynamics. <i>Chaos</i> , 2022, 32, 032101.	1.0	3
70	Electrical remodelling post cardiac resynchronization therapy in patients with ischemic and non-ischemic heart failure. <i>Journal of Electrocardiology</i> , 2019, 53, 44-51.	0.4	2
71	Determining the Influence of Psychiatric Comorbidity on Hospital Admissions in Cardiac Patients Through Multilevel Modelling of a Large Hospital Activity Data Set. <i>Heart Lung and Circulation</i> , 2020, 29, 211-215.	0.2	2
72	Role of interatrial conduction in atrial fibrillation. Mechanistic insights from renewal theory-based fibrillatory dynamic analysis.. <i>Heart Rhythm O2</i> , 2022, , .	0.6	2

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73	Letter by Ganesan et al Regarding Article, "Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation", Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007930.	2.1	1
74	Evaluation of Noncontact Mapping by Comparison With Simultaneous Multisite Contact Recordings in Acute Ischemic Ventricular Fibrillation. Journal of Cardiovascular Electrophysiology, 2011, 22, 334-339.	0.8	0
75	Localising re-entry in atrial fibrillation: Anatomical clues to the substrate of rotors. Journal of Arrhythmia, 2013, 29, 308-309.	0.5	0
76	Standard model - a deductive strategy from multiple deflection mapping in sinus rhythm for field localization of ventricular tachycardia supporting channels in ischemic cardiomyopathy. European Heart Journal, 2013, 34, P4938-P4938.	1.0	0
77	High density mapping of ventricular scar- a comparison of ventricular tachycardia supporting channels with channels that do not support VT. European Heart Journal, 2013, 34, P4972-P4972.	1.0	0
78	Long QT Syndrome Type 1 in an Australian Indigenous Patient. Circulation Genomic and Precision Medicine, 2020, 13, e002813.	1.6	0
79	N95 or P2 respirator fit testing policy in Australia: implementation issues to consider. Medical Journal of Australia, 2021, 214, 387.	0.8	0
80	Reality is Far From the Guidelines, When It Comes to Stroke Prevention in Atrial Fibrillation. Heart Lung and Circulation, 2021, 30, 935-936.	0.2	0
81	Quantitative respirator fit tests for P2/N95 in Australian general practice. Australian Journal of General Practice, 2022, 51, .	0.3	0
82	Abstract 11846: Excess Healthcare Costs and Bed Days Associated With Complications Following Catheter Ablation of Atrial Fibrillation. Circulation, 2021, 144, .	1.6	0
83	Impact of racial differences on the epidemiology and clinical outcomes of atrial fibrillation. Current Cardiology Reviews, 2021, 17, .	0.6	0