

# Aravindan Kolandaivelu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12175414/publications.pdf>

Version: 2024-02-01

29  
papers

1,045  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of Real-Time Magnetic Resonance Imaging for Catheter Guidance in Electrophysiology Studies. <i>Circulation</i> , 2008, 118, 223-229.	1.6	186
2	Computationally guided personalized targeted ablation of persistent atrial fibrillation. <i>Nature Biomedical Engineering</i> , 2019, 3, 870-879.	22.5	170
3	Intra-aortic Cardiopulmonary Resuscitation Hypothermia With and Without Volume Loading in an Ischemic Model of Cardiac Arrest. <i>Circulation</i> , 2009, 120, 1426-1435.	1.6	123
4	Quantitative Assessment of Artifacts on Cardiac Magnetic Resonance Imaging of Patients With Pacemakers and Implantable Cardioverter-Defibrillators. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 662-670.	2.6	116
5	Noninvasive Assessment of Tissue Heating During Cardiac Radiofrequency Ablation Using MRI Thermography. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010, 3, 521-529.	4.8	70
6	Myocardial Structural Associations With Local Electrograms. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1081-1090.	4.8	68
7	Impact of Nonischemic Scar Features on Local Ventricular Electrograms and Scar-Related Ventricular Tachycardia Circuits in Patients With Nonischemic Cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 1139-1147.	4.8	58
8	Current management and clinical outcomes for catheter ablation of atrioventricular nodal re-entrant tachycardia. <i>Europace</i> , 2018, 20, e51-e59.	1.7	40
9	Cardiovascular magnetic resonance guided electrophysiology studies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 21.	3.3	39
10	Non-contrast-enhanced T <sub>1</sub> -weighted MRI of myocardial radiofrequency ablation lesions. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 879-889.	3.0	34
11	Initial validation of a novel ECGI system for localization of premature ventricular contractions and ventricular tachycardia in structurally normal and abnormal hearts. <i>Journal of Electrocardiology</i> , 2018, 51, 801-808.	0.9	33
12	Rapid Induction of Therapeutic Hypothermia Using Transnasal High Flow Dry Air. <i>Therapeutic Hypothermia and Temperature Management</i> , 2017, 7, 50-56.	0.9	23
13	MRI Conditional Actively Tracked Metallic Electrophysiology Catheters and Guidewires With Miniature Tethered Radio-Frequency Traps: Theory, Design, and Validation. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1616-1627.	4.2	18
14	Acute enhancement of necrotic radiofrequency ablation lesions in left atrium and pulmonary vein ostia in swine model with non-contrast-enhanced T <sub>1</sub> -weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1368-1379.	3.0	16
15	Efficacy and Safety of Transnasal CoolStat Cooling Device to Induce and Maintain Hypothermia. <i>Therapeutic Hypothermia and Temperature Management</i> , 2019, 9, 108-117.	0.9	10
16	MRI-Guided Electrophysiology Intervention. <i>Rambam Maimonides Medical Journal</i> , 2010, 1, e0015.	1.0	8
17	Segmented radial cardiac MRI during arrhythmia using retrospective electrocardiogram and respiratory gating. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1726-1738.	3.0	7
18	Towards MRI-guided cardiac ablation procedures with no contrast agent: safety and efficacy considerations. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P213.	3.3	6

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19	Effect of high flow transnasal dry air on core body temperature in intubated human subjects. Resuscitation, 2019, 134, 49-54.	3.0	6
20	Native contrast visualization and tissue characterization of myocardial radiofrequency ablation and acetic acid chemoablation lesions at 0.55ÅT. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 50.	3.3	6
21	Intracardiac MR imaging (ICMRI) guidingâ€sheat with amplified expandableâ€tip imaging and MRâ€tracking for navigation and arrhythmia ablation monitoring: Swine testing at 1.5 and 3T. Magnetic Resonance in Medicine, 2022, 87, 2885-2900.	3.0	5
22	Switchable Faraday Shielding With Application to Reducing the Pain of Internal Cardiac Defibrillation While Permitting External Defibrillation. IEEE Transactions on Biomedical Engineering, 2012, 59, 409-416.	4.2	1
23	Facilitation of transvenous lead extraction using site-specific delivery of electrosurgical energy. International Journal of Cardiology Heart & Vessels, 2014, 3, 75-77.	0.5	1
24	Role of Cardiac Imaging (CT/MR) Before and After RF Catheter Ablation in Patients with Atrial Fibrillation. Journal of Atrial Fibrillation, 2012, 5, 523.	0.5	1
25	Chest Pain in a Young Basketball Player. Journal of General Internal Medicine, 2006, 21, 666-666.	2.6	0
26	MRI for electrophysiology. Current Cardiovascular Imaging Reports, 2009, 2, 106-115.	0.6	0
27	Closing the door to ventricular tachycardia: Are we there yet?. Heart Rhythm, 2017, 14, 1129-1130.	0.7	0
28	Emerging Interventional MR Applications. , 2012, , 395-401.		0
29	CT and MRI for Electrophysiology. , 2014, , 595-603.		0