

Rishi Arora

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,545
citations

236925

25
h-index

197818

49
g-index

63
all docs

63
docs citations

63
times ranked

3302
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Arrhythmogenic Substrate of the Pulmonary Veins Assessed by High-Resolution Optical Mapping. <i>Circulation</i> , 2003, 107, 1816-1821. | 1.6 | 332 |
| 2 | Evaluating the Atrial Myopathy Underlying Atrial Fibrillation. <i>Circulation</i> , 2015, 132, 278-291. | 1.6 | 196 |
| 3 | Fully implantable and bioresorbable cardiac pacemakers without leads or batteries. <i>Nature Biotechnology</i> , 2021, 39, 1228-1238. | 17.5 | 163 |
| 4 | Autonomic Nervous System Dysfunction. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1189-1206. | 2.8 | 159 |
| 5 | I-123 MIBG imaging and heart rate variability analysis to predict the need for an implantable cardioverter defibrillator. <i>Journal of Nuclear Cardiology</i> , 2003, 10, 121-131. | 2.1 | 156 |
| 6 | Atrial Myopathy. <i>JACC Basic To Translational Science</i> , 2019, 4, 640-654. | 4.1 | 134 |
| 7 | Recent Insights Into the Role of the Autonomic Nervous System in the Creation of Substrate for Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 850-859. | 4.8 | 101 |
| 8 | Use of an electrocardiographic screening tool to determine candidacy for a subcutaneous implantable cardioverter-defibrillator. <i>Heart Rhythm</i> , 2014, 11, 1361-1366. | 0.7 | 99 |
| 9 | The ligament of Marshall as a parasympathetic conduit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1629-H1635. | 3.2 | 98 |
| 10 | Autonomic Remodeling in the Left Atrium and Pulmonary Veins in Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 388-396. | 4.8 | 98 |
| 11 | Variability in Timing of Spontaneous Calcium Release in the Intact Rat Heart Is Determined by the Time Course of Sarcoplasmic Reticulum Calcium Load. <i>Circulation Research</i> , 2010, 107, 1117-1126. | 4.5 | 79 |
| 12 | Neural substrate for atrial fibrillation: implications for targeted parasympathetic blockade in the posterior left atrium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H134-H144. | 3.2 | 76 |
| 13 | Cryoballoon versus Radiofrequency Catheter Ablation for Paroxysmal Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2015, 38, 483-489. | 1.2 | 65 |
| 14 | Unique Autonomic Profile of the Pulmonary Veins and Posterior Left Atrium. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1340-1348. | 2.8 | 61 |
| 15 | Electrogram morphology recurrence patterns during atrial fibrillation. <i>Heart Rhythm</i> , 2014, 11, 2027-2034. | 0.7 | 59 |
| 16 | Targeted nonviral gene-based inhibition of G β i/o-mediated vagal signaling in the posterior left atrium decreases vagal-induced atrial fibrillation. <i>Heart Rhythm</i> , 2011, 8, 1722-1729. | 0.7 | 56 |
| 17 | Oxidative stress creates a unique, CaMKII-mediated substrate for atrial fibrillation in heart failure. <i>JCI Insight</i> , 2018, 3, . | 5.0 | 50 |
| 18 | Spatiotemporal characterization of atrial activation in persistent human atrial fibrillation: Multisite electrogram analysis and surface electrocardiographic correlationsâ€”A pilot study. <i>Heart Rhythm</i> , 2008, 5, 686-693. | 0.7 | 49 |

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|----|--|-----|-----------|
| 19 | Constitutive Expression of a Dominant-Negative TGF- β 2 Type II Receptor in the Posterior Left Atrium Leads to Beneficial Remodeling of Atrial Fibrillation Substrate. <i>Circulation Research</i> , 2016, 119, 69-82. | 4.5 | 44 |
| 20 | Contribution of Fibrosis and the Autonomic Nervous System to Atrial Fibrillation Electrograms in Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 640-649. | 4.8 | 40 |
| 21 | The Safety of Cardiac and Thoracic Magnetic Resonance Imaging in Patients with Cardiac Implantable Electronic Devices. <i>Academic Radiology</i> , 2016, 23, 1498-1505. | 2.5 | 35 |
| 22 | Targeted G-protein inhibition as a novel approach to decrease vagal atrial fibrillation by selective parasympathetic attenuation. <i>Cardiovascular Research</i> , 2009, 83, 481-492. | 3.8 | 32 |
| 23 | Regional distribution of T-tubule density in left and right atria in dogs. <i>Heart Rhythm</i> , 2017, 14, 273-281. | 0.7 | 32 |
| 24 | Bronchial effects of cryoballoon ablation for atrial fibrillation. <i>Heart Rhythm</i> , 2017, 14, 12-16. | 0.7 | 31 |
| 25 | Early development of intracellular calcium cycling defects in intact hearts of spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1843-H1853. | 3.2 | 30 |
| 26 | Patient characteristics as predictors of recurrence of atrial fibrillation following cryoballoon ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 694-704. | 1.2 | 24 |
| 27 | Moderate Sedation Reduces Lab Time Compared to General Anesthesia during Cryoballoon Ablation for AF Without Compromising Safety or Long-Term Efficacy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016, 39, 1359-1365. | 1.2 | 22 |
| 28 | Attenuation of Oxidative Injury With Targeted Expression of NADPH Oxidase 2 Short Hairpin RNA Prevents Onset and Maintenance of Electrical Remodeling in the Canine Atrium. <i>Circulation</i> , 2020, 142, 1261-1278. | 1.6 | 21 |
| 29 | Region-specific parasympathetic nerve remodeling in the left atrium contributes to creation of a vulnerable substrate for atrial fibrillation. <i>JCI Insight</i> , 2019, 4, . | 5.0 | 18 |
| 30 | Triggered intracellular calcium waves in dog and human left atrial myocytes from normal and failing hearts. <i>Cardiovascular Research</i> , 2017, 113, 1688-1699. | 3.8 | 17 |
| 31 | Loss of p21-activated kinase 1 (Pak1) promotes atrial arrhythmic activity. <i>Heart Rhythm</i> , 2018, 15, 1233-1241. | 0.7 | 17 |
| 32 | Gene therapy for atrial fibrillation - How close to clinical implementation?. <i>International Journal of Cardiology</i> , 2019, 296, 177-183. | 1.7 | 13 |
| 33 | A novel risk model for very late return of atrial fibrillation beyond 1 year after cryoballoon ablation: the SCALE-CryoAF score. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 58, 209-217. | 1.3 | 13 |
| 34 | Searching for order in atrial fibrillation using electrogram morphology recurrence plots. <i>Computers in Biology and Medicine</i> , 2015, 65, 220-228. | 7.0 | 12 |
| 35 | Patient-reported outcomes after cryoballoon ablation are equivalent between moderate sedation and general anesthesia. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1579-1584. | 1.7 | 10 |
| 36 | Impact of pre-ablation weight loss on the success of catheter ablation for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2097-2104. | 1.7 | 10 |

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|----|--|-----|-----------|
| 37 | Use of a novel 4D intracardiac echocardiography catheter to guide interventional electrophysiology procedures. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 3117-3124. | 1.7 | 10 |
| 38 | Optical mapping of cardiac arrhythmias. <i>Indian Pacing and Electrophysiology Journal</i> , 2003, 3, 187-96. | 0.6 | 10 |
| 39 | Repeat pulmonary vein isolation with or without FIRMâ€gguided ablation for recurrent atrial fibrillation with pulmonary vein reconnection. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1031-1037. | 1.7 | 9 |
| 40 | Triggered Ca ²⁺ Waves Induce Depolarization of Maximum Diastolic Potential and Action Potential Prolongation in Dog Atrial Myocytes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008179. | 4.8 | 8 |
| 41 | Autonomic Dysfunction and Neurohormonal Disorders in Atrial Fibrillation. <i>Cardiac Electrophysiology Clinics</i> , 2021, 13, 183-190. | 1.7 | 8 |
| 42 | Identification of severe right ventricular dysfunction and pressure overload by stress radionuclide myocardial perfusion SPECT imaging with gating. <i>Journal of Nuclear Cardiology</i> , 1999, 6, 375-376. | 2.1 | 7 |
| 43 | Modulation of Cardiac Potassium Current by Neural Tone and Ischemia. <i>Cardiac Electrophysiology Clinics</i> , 2016, 8, 349-360. | 1.7 | 6 |
| 44 | Outcomes With Novel Oral Anticoagulants in Obese Patients who Underwent Electrical Cardioversion for Atrial Tachyarrhythmias. <i>American Journal of Cardiology</i> , 2018, 122, 1175-1178. | 1.6 | 6 |
| 45 | Role of t-tubule remodeling on mechanisms of abnormal calcium release during heart failure development in canine ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1658-H1669. | 3.2 | 6 |
| 46 | Sympathetic Imaging with 123-I-MIBG-A New Way to Predict Recurrences After AF Ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 1305-1308. | 1.7 | 4 |
| 47 | Epigenetics in atrial fibrillation: A reappraisal. <i>Heart Rhythm</i> , 2021, 18, 824-832. | 0.7 | 4 |
| 48 | Epicardial atrial fat: Not quite as idle as it looks. <i>Heart Rhythm</i> , 2015, 12, 266-267. | 0.7 | 3 |
| 49 | Improvement in renal function following cryoballoon ablation for atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2021, 60, 513-520. | 1.3 | 3 |
| 50 | Recent advances in gene therapy for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2854-2864. | 1.7 | 3 |
| 51 | How the pulmonary veins 'talk' to the sinoatrial node: new insights into an old mystery. <i>Cardiovascular Research</i> , 2013, 99, 380-381. | 3.8 | 2 |
| 52 | Gene Therapy for the Treatment of Cardiac Arrhythmias: Current and Emerging Applications. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2018, 9, 3440-3445. | 0.5 | 2 |
| 53 | Nucleoplasmic Ca ²⁺ . <i>Circulation Research</i> , 2021, 128, 636-638. | 4.5 | 1 |
| 54 | Reconnection Rate and Long-Term Outcome with Adenosine Provocation During Cryoballoon Ablation for Pulmonary Vein Isolation. <i>Journal of Atrial Fibrillation</i> , 2017, 9, 1510. | 0.5 | 1 |

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|----|---|-----|-----------|
| 55 | Response to Letter Regarding Article, "Evaluating the Atrial Myopathy Underlying Atrial Fibrillation: Identifying the Arrhythmogenic and Thrombogenic Substrate"; Circulation, 2016, 133, e431. | 1.6 | 0 |
| 56 | Charge balanced direct current carousel "A gentler yet targeted approach to modulate sympathetic signaling in the heart. Heart Rhythm, 2017, 14, 1673-1674. | 0.7 | 0 |
| 57 | Arrhythmogenic cardiomyopathy: in search of unifying genetic theory. Cardiovascular Research, 2019, 115, 691-692. | 3.8 | 0 |
| 58 | Cardiac regulation by the autonomic nervous system: A fine balance. Journal of Cardiovascular Electrophysiology, 2019, 30, 747-748. | 1.7 | 0 |
| 59 | Gene and cell based therapies for the prevention and treatment of supraventricular arrhythmias. , 2020, , 761-780. | | 0 |
| 60 | Role of the Autonomic Nerves system in the Creation of Substrate for Atrial Fibrillation. Journal of Atrial Fibrillation, 2008, 1, 122. | 0.5 | 0 |