

Olujimi A Ajijola

List of Publications by Year in descending order

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120
papers

3,678
citations

136740

32
h-index

149479

56
g-index

132
all docs

132
docs citations

132
times ranked

3372
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac sympathetic denervation in patients with refractory ventricular arrhythmias or electrical storm: Intermediate and long-term follow-up. <i>Heart Rhythm</i> , 2014, 11, 360-366.	0.3	311
2	Clinical neurocardiology defining the value of neuroscience-based cardiovascular therapeutics. <i>Journal of Physiology</i> , 2016, 594, 3911-3954.	1.3	222
3	Permanent His-bundle pacing for cardiac resynchronization therapy: Initial feasibility study in lieu of left ventricular lead. <i>Heart Rhythm</i> , 2017, 14, 1353-1361.	0.3	179
4	Bilateral Cardiac Sympathetic Denervation for the Management of Electrical Storm. <i>Journal of the American College of Cardiology</i> , 2012, 59, 91-92.	1.2	151
5	Relationship Between Sinus Rhythm Late Activation Zones and Critical Sites for Scar-Related Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 390-399.	2.1	131
6	Incidence of abnormal positron emission tomography in patients with unexplained cardiomyopathy and ventricular arrhythmias: The potential role of occult inflammation in arrhythmogenesis. <i>Heart Rhythm</i> , 2015, 12, 2488-2498.	0.3	130
7	Myocardial infarction induces structural and functional remodelling of the intrinsic cardiac nervous system. <i>Journal of Physiology</i> , 2016, 594, 321-341.	1.3	121
8	Remodeling of stellate ganglion neurons after spatially targeted myocardial infarction: Neuropeptide and morphologic changes. <i>Heart Rhythm</i> , 2015, 12, 1027-1035.	0.3	117
9	Efficacy of Stellate Ganglion Blockade in Managing Electrical Storm. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 942-949.	1.3	106
10	Sympathetic innervation of the anterior left ventricular wall by the right and left stellate ganglia. <i>Heart Rhythm</i> , 2012, 9, 1303-1309.	0.3	98
11	Sympathetic Nerve Stimulation, Not Circulating Norepinephrine, Modulates T-Peak to T-End Interval by Increasing Global Dispersion of Repolarization. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 174-185.	2.1	87
12	Focal myocardial infarction induces global remodeling of cardiac sympathetic innervation: neural remodeling in a spatial context. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1031-H1040.	1.5	79
13	Modulation of regional dispersion of repolarization and T-peak to T-end interval by the right and left stellate ganglia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1020-H1030.	1.5	74
14	Extracardiac Neural Remodeling in Humans With Cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1010-1116.	2.1	73
15	Inflammation, oxidative stress, and glial cell activation characterize stellate ganglia from humans with electrical storm. <i>JCI Insight</i> , 2017, 2, .	2.3	69
16	Thoracic Epidural Anesthesia Can Be Effective for the Short-Term Management of Ventricular Tachycardia Storm. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	58
17	Sympathetic modulation of electrical activation in normal and infarcted myocardium: implications for arrhythmogenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H608-H621.	1.5	55
18	The cardiac sympathetic co-transmitter neuropeptide Y is pro-arrhythmic following ST-elevation myocardial infarction despite beta-blockade. <i>European Heart Journal</i> , 2020, 41, 2168-2179.	1.0	53

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19	Estrogen-sensitive medial preoptic area neurons coordinate torpor in mice. <i>Nature Communications</i> , 2020, 11, 6378.	5.8	49
20	Cardiac TRPV1 afferent signaling promotes arrhythmogenic ventricular remodeling after myocardial infarction. <i>JCI Insight</i> , 2020, 5, .	2.3	49
21	Cardioprotection of electroacupuncture against myocardial ischemia-reperfusion injury by modulation of cardiac norepinephrine release. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1818-H1825.	1.5	48
22	Simulation Methods and Validation Criteria for Modeling Cardiac Ventricular Electrophysiology. <i>PLoS ONE</i> , 2014, 9, e114494.	1.1	48
23	Non-invasive stereotactic body radiation therapy for refractory ventricular arrhythmias: an institutional experience. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2021, 61, 535-543.	0.6	47
24	Bilateral cardiac sympathetic denervation: why, who and when?. <i>Expert Review of Cardiovascular Therapy</i> , 2012, 10, 947-949.	0.6	46
25	Coronary sinus biomarker sampling compared to peripheral venous blood for predicting outcomes in patients with severe heart failure undergoing cardiac resynchronization therapy: The BIOCRT study. <i>Heart Rhythm</i> , 2014, 11, 2167-2175.	0.3	46
26	Cardiac neuroanatomy - Imaging nerves to define functional control. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 207, 48-58.	1.4	44
27	Premature Ventricular Contraction Coupling Interval Variability Destabilizes Cardiac Neuronal and Electrophysiological Control. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	43
28	Usefulness of His Bundle Pacing to Achieve Electrical Resynchronization in Patients With Complete Left Bundle Branch Block and the Relation Between Native QRS Axis, Duration, and Normalization. <i>American Journal of Cardiology</i> , 2016, 118, 527-534.	0.7	42
29	Coronary Sinus Neuropeptide Y Levels and Adverse Outcomes in Patients With Stable Chronic Heart Failure. <i>JAMA Cardiology</i> , 2020, 5, 318.	3.0	42
30	Mechanisms and management of refractory ventricular arrhythmias in the age of autonomic modulation. <i>Heart Rhythm</i> , 2018, 15, 1252-1260.	0.3	40
31	Ageing, the autonomic nervous system and arrhythmia: From brain to heart. <i>Ageing Research Reviews</i> , 2018, 48, 40-50.	5.0	40
32	Scar voltage threshold determination using ex vivo magnetic resonance imaging integration in a porcine infarct model: Influence of interelectrode distances and three-dimensional spatial effects of scar. <i>Heart Rhythm</i> , 2016, 13, 1993-2002.	0.3	39
33	Renal denervation as adjunctive therapy to cardiac sympathetic denervation for ablation refractory ventricular tachycardia. <i>Heart Rhythm</i> , 2020, 17, 220-227.	0.3	38
34	Pathological effects of chronic myocardial infarction on peripheral neurons mediating cardiac neurotransmission. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016, 197, 34-40.	1.4	36
35	Training the physician-scientist: views from program directors and aspiring young investigators. <i>JCI Insight</i> , 2018, 3, .	2.3	32
36	Heart Failure Therapies for End-Stage Chemotherapy-Induced Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2016, 22, 439-448.	0.7	31

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37	Functional differences between junctional and extrajunctional adrenergic receptor activation in mammalian ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H579-H588.	1.5	30
38	Physiological mechanisms of QRS narrowing in bundle branch block patients undergoing permanent His bundle pacing. <i>Journal of Electrocardiology</i> , 2016, 49, 644-648.	0.4	30
39	Association of Generalized Anxiety Disorder With Autonomic Hypersensitivity and Blunted Ventromedial Prefrontal Cortex Activity During Peripheral Adrenergic Stimulation. <i>JAMA Psychiatry</i> , 2022, 79, 323.	6.0	30
40	Hybrid surgical vs percutaneous access epicardial ventricular tachycardia ablation. <i>Heart Rhythm</i> , 2018, 15, 512-519.	0.3	29
41	Role of Bilateral Sympathectomy in the Treatment of Refractory Ventricular Arrhythmias in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e003713.	2.1	27
42	Voluntary Running Suppresses Proinflammatory Cytokines and Bone Marrow Endothelial Progenitor Cell Levels in Apolipoprotein-Eâ€“Deficient Mice. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 15-23.	2.5	26
43	Usefulness of Cardiac Resynchronization Therapy in the Management of Doxorubicin-Induced Cardiomyopathy. <i>American Journal of Cardiology</i> , 2008, 101, 1371-1372.	0.7	25
44	A new electrocardiographic marker for sympathetic nerve stimulation: modulation of repolarization by stimulation of stellate ganglia. <i>Journal of Electrocardiology</i> , 2011, 44, 694-699.	0.4	25
45	Autonomic Regulation and Ventricular Arrhythmias. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2018, 20, 38.	0.4	24
46	Neural Remodeling and Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 962-964.	1.2	22
47	Effect of stellate ganglia stimulation on global and regional left ventricular function as assessed by speckle tracking echocardiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H840-H847.	1.5	20
48	Phosphodiesterase 2A as a therapeutic target to restore cardiac neurotransmission during sympathetic hyperactivity. <i>JCI Insight</i> , 2018, 3, .	2.3	19
49	Ventricular tachycardia in ischemic heart disease substrates. <i>Indian Heart Journal</i> , 2014, 66, S24-S34.	0.2	18
50	Cardiac vanilloid receptor-1 afferent depletion enhances stellate ganglion neuronal activity and efferent sympathetic response to cardiac stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H954-H966.	1.5	18
51	Arrhythmic Risk Profile and Outcomes of Patients Undergoing Cardiac Sympathetic Denervation for Recurrent Monomorphic Ventricular Tachycardia After Ablation. <i>Journal of the American Heart Association</i> , 2021, 10, e018371.	1.6	18
52	Singleâ€“cell transcriptomic profiling of satellite glial cells in stellate ganglia reveals developmental and functional axial dynamics. <i>Glia</i> , 2021, 69, 1281-1291.	2.5	18
53	A Systematic Review of the Spectrum of Cardiac Arrhythmias in Sub-Saharan Africa. <i>Global Heart</i> , 2020, 15, 37.	0.9	18
54	Genetic and Clinical Correlates of Early-Outgrowth Colony-Forming Units. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 296-304.	5.1	17

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55	Research Opportunities in Autonomic Neural Mechanisms of Cardiopulmonary Regulation. <i>JACC Basic To Translational Science</i> , 2022, 7, 265-293.	1.9	17
56	Chemotherapy and Radiation-Associated Cardiac Autonomic Dysfunction. <i>Current Oncology Reports</i> , 2021, 23, 14.	1.8	16
57	Central vs. peripheral neuraxial sympathetic control of porcine ventricular electrophysiology. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R414-R421.	0.9	15
58	Augmentation of cardiac sympathetic tone by percutaneous low-level stellate ganglion stimulation in humans: a feasibility study. <i>Physiological Reports</i> , 2015, 3, e12328.	0.7	14
59	Cardiac arrhythmias in low- and middle-income countries. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 350-360.	0.7	14
60	Cardiac arrhythmia services in Africa from 2011 to 2018: the second report from the Pan African Society of Cardiology working group on cardiac arrhythmias and pacing. <i>Europace</i> , 2020, 22, 420-433.	0.7	13
61	Electrical Homogenization of Ventricular Scar by Application of Collagenase. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 776-783.	2.1	12
62	Detecting and monitoring arrhythmia recurrence following catheter ablation of atrial fibrillation. <i>Frontiers in Physiology</i> , 2015, 6, 90.	1.3	12
63	RNA Sequencing Reveals Novel Transcripts from Sympathetic Stellate Ganglia During Cardiac Sympathetic Hyperactivity. <i>Scientific Reports</i> , 2018, 8, 8633.	1.6	12
64	Neuromodulation Approaches for Cardiac Arrhythmias: Recent Advances. <i>Current Cardiology Reports</i> , 2019, 21, 32.	1.3	12
65	Quantitative assessment of cardiovascular autonomic impairment in cancer survivors: a single center case series. <i>Cardio-Oncology</i> , 2020, 6, 11.	0.8	11
66	Electrophysiology and Arrhythmogenesis in the Human Right Ventricular Outflow Tract. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010630.	2.1	11
67	Prolonged high-power endocardial ablation of epicardial microreentrant VT from the LV summit in a patient with nonischemic cardiomyopathy. <i>HeartRhythm Case Reports</i> , 2015, 1, 464-468.	0.2	10
68	Prognostic impact of atrial rhythm and dimension in patients with structural heart disease undergoing cardiac sympathetic denervation for ventricular arrhythmias. <i>Heart Rhythm</i> , 2020, 17, 714-720.	0.3	10
69	Inpatient vs. elective outpatient cardiac resynchronization therapy device implantation and long-term clinical outcome. <i>Europace</i> , 2010, 12, 1745-1749.	0.7	9
70	Hyper-response to cardiac resynchronization with permanent His bundle pacing: Is parahisian pacing sufficient?. <i>HeartRhythm Case Reports</i> , 2015, 1, 429-433.	0.2	9
71	Cardiac Pacing Training in Africa. <i>Journal of the American College of Cardiology</i> , 2020, 76, 465-472.	1.2	9
72	Did giraffe cardiovascular evolution solve the problem of heart failure with preserved ejection fraction?. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 248-255.	1.1	9

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73	Autonomic modulation of ventricular electrical activity: recent developments and clinical implications. <i>Clinical Autonomic Research</i> , 2021, 31, 659-676.	1.4	9
74	Synergistic application of cardiac sympathetic decentralization and comprehensive psychiatric treatment in the management of anxiety and electrical storm. <i>Frontiers in Integrative Neuroscience</i> , 2014, 7, 98.	1.0	8
75	Characterization of Aortic Valve Closure Artifact During Outflow Tract Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	8
76	Using reconditioned pacemakers to treat bradycardia in Africa. <i>Nature Reviews Cardiology</i> , 2018, 15, 725-726.	6.1	8
77	Ferumoxytol-Enhanced CMR for Vasodilator Stress Testing: Feasibility Study. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1582-1584.	2.3	8
78	Ferumoxytol-enhanced magnetic resonance T1 reactivity for depiction of myocardial hypoperfusion. <i>NMR in Biomedicine</i> , 2021, 34, e4518.	1.6	8
79	Morphological Spectra of Adult Human Stellate Ganglia: Implications for Thoracic Sympathetic Denervation. <i>Anatomical Record</i> , 2018, 301, 1244-1250.	0.8	7
80	Circulating Neuropeptide Y as a Biomarker for Neuromodulation in Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 1575-1576.	1.3	7
81	Minimally Invasive Bilateral Stellate Ganglionectomy for Refractory Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 533-535.	1.3	7
82	Combination Biomarkers for Risk Stratification in Patients with Chronic Heart Failure Biomarkers Prognostication in HF. <i>Journal of Cardiac Failure</i> , 2021, 27, 1321-1327.	0.7	7
83	A novel metric linking stellate ganglion neuronal population dynamics to cardiopulmonary physiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H369-H381.	1.5	7
84	Recurrent ventricular tachycardia after cardiac sympathetic denervation: Prolonged cycle length with improved hemodynamic tolerance and ablation outcomes. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2382-2392.	0.8	6
85	Cardiac afferent signaling partially underlies premature ventricular contraction-induced cardiomyopathy. <i>Heart Rhythm</i> , 2021, 18, 1586-1595.	0.3	6
86	Aorticorenal ganglion as a novel target for renal neuromodulation. <i>Heart Rhythm</i> , 2021, 18, 1745-1757.	0.3	6
87	Neuromodulation Therapy in Heart Failure: Combined Use of Drugs and Devices. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2020, 11, 4151-4159.	0.2	6
88	Studying Cardiac Neural Network Dynamics: Challenges and Opportunities for Scientific Computing. <i>Frontiers in Physiology</i> , 2022, 13, 835761.	1.3	6
89	Pearls of wisdom for aspiring physician-scientist residency applicants and program directors. <i>JCI Insight</i> , 2022, 7, .	2.3	5
90	CD40 Ligand. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1088-1090.	1.1	4

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91	Permanent His Bundle Pacing for Cardiac Resynchronization. Current Treatment Options in Cardiovascular Medicine, 2018, 20, 23.	0.4	4
92	Cardiovascular autonomic reflex function after bilateral cardiac sympathetic denervation for ventricular arrhythmias. Heart Rhythm, 2020, 17, 1320-1327.	0.3	4
93	COVID Highlights Another Crisis: Lack of Black Physicians and Scientists. Med, 2021, 2, 2-3.	2.2	4
94	Sympathetic Innervation, Denervation, and Cardiac Arrhythmias. , 2014, , 409-417.		3
95	Neural Control of Cardiac Function in Health and Disease. , 2017, , 13-35.		3
96	Incidence of recreational sports-related sudden cardiac arrest in participants over age 12 in a general African population. BMJ Open Sport and Exercise Medicine, 2020, 6, e000706.	1.4	3
97	3D-Printed Coronary Implants Are Effective for Percutaneous Creation of Swine Models with Focal Coronary Stenosis. Journal of Cardiovascular Translational Research, 2020, 13, 1033-1043.	1.1	3
98	A Case of Ventricular Tachycardia Caused by a Rare Cardiac Mesenchymal Hamartoma. JACC: Case Reports, 2020, 2, 1049-1055.	0.3	3
99	Key dimensions of post-traumatic stress disorder and endothelial dysfunction: a protocol for a mechanism-focused cohort study. BMJ Open, 2021, 11, e043060.	0.8	3
100	Cardiac pacing in sub-Saharan Africa. Cardiovascular Journal of Africa, 2020, 31, 3-4.	0.2	3
101	The genetics of the J wave patterns. Journal of Electrocardiology, 2013, 46, 395-398.	0.4	2
102	Natriuretic peptides and peripheral autonomic neurotransmission: back to the A, B, and C TM s.. Cardiovascular Research, 2016, 112, 619-621.	1.8	2
103	Cardiopulmonary Performance After Left Cardiac Sympathetic Denervation for Long QT Syndromes. JACC: Clinical Electrophysiology, 2019, 5, 1091-1092.	1.3	2
104	Surgical ablation after stereotactic body radiation therapy for ventricular arrhythmias. Heart Rhythm Case Reports, 2022, 8, 73-76.	0.2	2
105	Sudden cardiac death: We are not there yet. Trends in Cardiovascular Medicine, 2016, 26, 34-35.	2.3	1
106	Integrated electrophysiology care for patients with heart failure: An envisioned future. Heart Rhythm, 2021, 18, e51-e63.	0.3	1
107	Minimally Invasive Bilateral Stellate Ganglionectomy for Refractory Ventricular Tachycardia. Annals of Thoracic Surgery, 2021, 111, e295-e296.	0.7	1
108	Cardiac sympathetic denervation and mental health. Autonomic Neuroscience: Basic and Clinical, 2021, 232, 102787.	1.4	1

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109	Afferents Nerves in Atrial Fibrillation. JACC: Clinical Electrophysiology, 2022, 8, 165-167.	1.3	1
110	CORONARY SINUS LEVEL OF GALECTIN-3 IS A BETTER PREDICTOR THAN PERIPHERAL VENOUS LEVEL OF MAJOR ADVERSE CARDIAC EVENTS IN PATIENTS WITH CARDIAC RESYNCHRONIZATION THERAPY. Journal of the American College of Cardiology, 2013, 61, E248.	1.2	0
111	Noninvasive Neuromodulation Via Tragal Stimulation. JACC: Clinical Electrophysiology, 2016, 2, 340-342.	1.3	0
112	Overview of Electrophysiological and Echocardiographic Findings and Outcomes with His Bundle Pacing for Cardiac Resynchronization. Current Cardiovascular Risk Reports, 2018, 12, 1.	0.8	0
113	Managing ventricular arrhythmias after failed catheter ablation: Interrupting the reentrant loop of repeat ablation. Heart Rhythm, 2018, 15, 63-64.	0.3	0
114	Estimating Cardiac Sympathetic Activity From Subcutaneous Nerve Recordings. JACC: Clinical Electrophysiology, 2018, 4, 696-698.	1.3	0
115	Stylet-directed His bundle lead placement: Early days of an emerging contender. Heart Rhythm, 2019, 16, 1832-1833.	0.3	0
116	Editorial commentary: Atrial fibrillation: The road to sinus starts at the ear. Trends in Cardiovascular Medicine, 2020, 30, 440-441.	2.3	0
117	Combined Imaging and In Silico Simulations to Predict Ventricular Arrhythmia Risk in Nonischemic Cardiomyopathy. JACC: Clinical Electrophysiology, 2021, 7, 250-252.	1.3	0
118	Neuraxial Modulation for Electrical Storm. Journal of Arrhythmia, 2011, 27, SY07_2.	0.5	0
119	Chronic Kidney Disease: A Nerve-Racking Situation for the Heart. Circulation Research, 2022, 130, 829-830.	2.0	0
120	Atrial fibrillation and stroke: The journey continues. Trends in Cardiovascular Medicine, 2021, , .	2.3	0