Neil Herring

List of Publications by Year
in descending order

78	2,622	159358	197535
papers	citations	30 h-index	49 g-index

83	83	83	3037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ECG diagnosis of acute ischaemia and infarction: past, present and future. QJM - Monthly Journal of the Association of Physicians, 2006, 99, 219-230.	0.2	145
2	Translational neurocardiology: preclinical models and cardioneural integrative aspects. Journal of Physiology, 2016, 594, 3877-3909.	1.3	133
3	The autonomic nervous system and cardiac arrhythmias: current concepts and emerging therapies. Nature Reviews Cardiology, 2019, 16, 707-726.	6.1	130
4	The Role of Neuropeptide Y in Cardiovascular Health and Disease. Frontiers in Physiology, 2018, 9, 1281.	1.3	129
5	Hydroxychloroquine reduces heart rate by modulating the hyperpolarization-activated current If: Novel electrophysiological insights and therapeutic potential. Heart Rhythm, 2015, 12, 2186-2194.	0.3	124
6	Nitric oxideâ€cGMP pathway facilitates acetylcholine release and bradycardia during vagal nerve stimulation in the guineaâ€pig in vitro. Journal of Physiology, 2001, 535, 507-518.	1.3	119
7	Valvular heart disease and the use of cabergoline for the treatment of prolactinoma. Clinical Endocrinology, 2009, 70, 104-108.	1.2	108
8	Cardiac Resynchronization Therapy Delivered Via a Multipolar Left Ventricular Lead is Associated with Reduced Mortality and Elimination of Phrenic Nerve Stimulation: Longâ€Term Followâ€Up from a Multicenter Registry. Journal of Cardiovascular Electrophysiology, 2015, 26, 540-546.	0.8	93
9	Molecular and cellular neurocardiology: development, and cellular and molecular adaptations to heart disease. Journal of Physiology, 2016, 594, 3853-3875.	1.3	85
10	The cardiac sympathetic co-transmitter galanin reduces acetylcholine release and vagal bradycardia: Implications for neural control of cardiac excitability. Journal of Molecular and Cellular Cardiology, 2012, 52, 667-676.	0.9	81
11	Neuropeptide Y reduces acetylcholine release and vagal bradycardia via a Y2 receptor-mediated, protein kinase C-dependent pathway. Journal of Molecular and Cellular Cardiology, 2008, 44, 477-485.	0.9	75
12	Neuromodulators of peripheral cardiac sympathoâ€vagal balance. Experimental Physiology, 2009, 94, 46-53.	0.9	72
13	Pre-synaptic NO-cGMP Pathway Modulates Vagal Control of Heart Rate in Isolated Adult Guinea Pig Atria. Journal of Molecular and Cellular Cardiology, 2000, 32, 1795-1804.	0.9	60
14	Autonomic control of the heart: going beyond the classical neurotransmitters. Experimental Physiology, 2015, 100, 354-358.	0.9	58
15	Neuropeptide-Y causes coronary microvascular constriction and is associated with reduced ejection fraction following ST-elevation myocardial infarction. European Heart Journal, 2019, 40, 1920-1929.	1.0	58
16	Natriuretic peptides like NO facilitate cardiac vagal neurotransmission and bradycardia via a cGMP pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2318-H2327.	1.5	57
17	Peripheral cardiac sympathetic hyperactivity in cardiovascular disease: role of neuropeptides. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1411-R1420.	0.9	57
18	Prioritizing echocardiography in Staphylococcus aureus bacteraemia. Journal of Antimicrobial Chemotherapy, 2013, 68, 444-449.	1.3	56

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19	Procedural Success of Left Ventricular Lead Placement for Cardiac Resynchronization Therapy. JACC: Clinical Electrophysiology, 2016, 2, 69-77.	1.3	54
20	Cardiac sympathetic dysfunction in the prehypertensive spontaneously hypertensive rat. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H980-H986.	1.5	53
21	Cardiac sympatho-vagal balance and ventricular arrhythmia. Autonomic Neuroscience: Basic and Clinical, 2016, 199, 29-37.	1.4	53
22	The cardiac sympathetic co-transmitter neuropeptide Y is pro-arrhythmic following ST-elevation myocardial infarction despite beta-blockade. European Heart Journal, 2020, 41, 2168-2179.	1.0	53
23	Abnormal Intracellular Calcium Homeostasis in Sympathetic Neurons From Young Prehypertensive Rats. Hypertension, 2012, 59, 642-649.	1.3	47
24	Endocardial left ventricular pacing for cardiac resynchronization: systematic review and meta-analysis. Europace, 2018, 20, 73-81.	0.7	44
25	Mammalian Î³2 AMPK regulates intrinsic heart rate. Nature Communications, 2017, 8, 1258.	5.8	43
26	Relationship of plasma neuropeptide Y with angiographic, electrocardiographic and coronary physiology indices of reperfusion during ST elevation myocardial infarction. Heart, 2013, 99, 1198-1203.	1.2	42
27	Coronary Sinus Neuropeptide Y Levels and Adverse Outcomes in Patients With Stable Chronic Heart Failure. JAMA Cardiology, 2020, 5, 318.	3.0	42
28	Cholinergic Control of Heart Rate by Nitric Oxide is Site Specific. Physiology, 2002, 17, 202-206.	1.6	34
29	Efficacy of B-Type Natriuretic Peptide Is Coupled to Phosphodiesterase 2A in Cardiac Sympathetic Neurons. Hypertension, 2015, 66, 190-198.	1.3	34
30	Pravastatin normalises peripheral cardiac sympathetic hyperactivity in the spontaneously hypertensive rat. Journal of Molecular and Cellular Cardiology, 2011, 50, 99-106.	0.9	33
31	Neutrophils incite and macrophages avert electrical storm after myocardial infarction. , 2022, 1, 649-664.		33
32	Cost-Effectiveness Analysis of QuadripolarÂVersus Bipolar Left Ventricular Leads for Cardiac Resynchronization Defibrillator TherapyÂinÂa Large, Multicenter UKÂRegistry. JACC: Clinical Electrophysiology, 2017, 3, 107-116.	1.3	28
33	NO-cGMP pathway increases the hyperpolarisation-activated current, If, and heart rate during adrenergic stimulation. Cardiovascular Research, 2001, 52, 446-453.	1.8	27
34	C-type natriuretic peptide and natriuretic peptide receptor B signalling inhibits cardiac sympathetic neurotransmission and autonomic function. Cardiovascular Research, 2016, 112, 637-644.	1.8	27
35	Peripheral pre-synaptic pathway reduces the heart rate response to sympathetic activation following exercise training: role of NO. Cardiovascular Research, 2000, 47, 90-98.	1.8	26
36	Protection against ventricular fibrillation via cholinergic receptor stimulation and the generation of nitric oxide. Journal of Physiology, 2016, 594, 3981-3992.	1.3	25

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37	Î²-Adrenergic Receptor Stimulation and Alternans in the Border Zone of a Healed Infarct: An ex vivo Study and Computational Investigation of Arrhythmogenesis. Frontiers in Physiology, 2019, 10, 350.	1.3	24
38	CAPON Modulates Neuronal Calcium Handling and Cardiac Sympathetic Neurotransmission During Dysautonomia in Hypertension. Hypertension, 2015, 65, 1288-1297.	1.3	21
39	Myocardial Infarction With Intracardiac Thrombosis as the Presentation of Acute Promyelocytic Leukemia. Circulation, 2011, 123, e370-2.	1.6	20
40	COSMAS: a lightweight toolbox for cardiac optical mapping analysis. Scientific Reports, 2021, 11, 9147.	1.6	20
41	Endocardial left ventricular pacing across the interventricular septum for cardiac resynchronization therapy: Clinical results of a pilot study. Heart Rhythm, 2018, 15, 1017-1022.	0.3	19
42	Downregulation of M Current Is Coupled to Membrane Excitability in Sympathetic Neurons Before the Onset of Hypertension. Hypertension, 2020, 76, 1915-1923.	1.3	18
43	Regulation of Î²-adrenergic control of heart rate by GTP-cyclohydrolase 1 (GCH1) and tetrahydrobiopterin. Cardiovascular Research, 2012, 93, 694-701.	1.8	16
44	Regulation of hippocampal synaptic plasticity thresholds and changes in exploratory and learning behavior in dominant negative NPR-B mutant rats. Frontiers in Molecular Neuroscience, 2014, 7, 95.	1.4	16
45	Periprocedural Stroke Risk in Patients Undergoing Catheter Ablation for Atrial Fibrillation on Uninterrupted Warfarin. Journal of Cardiovascular Electrophysiology, 2014, 25, 585-590.	0.8	13
46	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. IScience, 2020, 23, 101334.	1.9	13
47	Cardiac TdP risk stratification modelling of anti-infective compounds including chloroquine and hydroxychloroquine. Royal Society Open Science, 2021, 8, 210235.	1.1	13
48	Blockade of sodiumâ€‘calcium exchanger via ORM-10962 attenuates cardiac alternans. Journal of Molecular and Cellular Cardiology, 2021, 153, 111-122.	0.9	9
49	Overexpression of Sarcoendoplasmic Reticulum Calcium ATPase 2a Promotes Cardiac Sympathetic Neurotransmission via Abnormal Endoplasmic Reticulum and Mitochondria Ca ²⁺ Regulation. Hypertension, 2017, 69, 625-632.	1.3	7
50	The Heartâ€™s Little Brain. Circulation Research, 2021, 128, 1297-1299.	2.0	7
51	NeuropeptideâY Levels in STâSegmentâ€“Elevation Myocardial Infarction: Relationship With Coronary Microvascular Function, Heart Failure, and Mortality. Journal of the American Heart Association, 2022, 11, .	1.6	7
52	Electrophysiological and Proarrhythmic Effects of Hydroxychloroquine Challenge in Guinea-Pig Hearts. ACS Pharmacology and Translational Science, 2021, 4, 1639-1653.	2.5	6
53	The Prevalence of Low Left Atrial Appendage Emptying Velocity and Thrombus in Patients Undergoing Catheter Ablation for Atrial Fibrillation on Uninterrupted Peri-procedural Warfarin Therapy. Journal of Atrial Fibrillation, 2013, 5, 761.	0.5	6
54	An active fixation quadripolar left ventricular lead for cardiac resynchronization therapy with reduced postoperative complication rates. Journal of Cardiovascular Electrophysiology, 2022, 33, 458-463.	0.8	6

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55	Pneumopericardium and Pneumomediastinum After Implantation of a Cardiac Resynchronization Pacemaker. JACC: Case Reports, 2019, 1, 381-384.	0.3	4
56	Physiology of shock and volume resuscitation. Surgery, 2013, 31, 545-551.	0.1	3
57	Myocardial Energy Response to Glyceryl Trinitrate: Physiology Revisited. Frontiers in Physiology, 2021, 12, 790525.	1.3	3
58	What Have We Learned in the Last 20ÂYears About CRT Non-Responders?. Cardiac Electrophysiology Clinics, 2022, 14, 283-296.	0.7	3
59	Letter by Herring and Paterson Regarding Article, â€œCommon NOS1AP Variants Are Associated With a Prolonged QTc Interval in the Rotterdam Studyâ€. Circulation, 2007, 116, e564; author reply e565.	1.6	2
60	The kidneyâ€“heart connection during electrical storm: from bedside back to bench. Experimental Physiology, 2014, 99, 1451-1452.	0.9	2
61	Endothelial Nitric Oxide Synthase and Heart Rate. Circulation, 2002, 106, e5; author reply e5.	1.6	1
62	A call for national monitoring of antibiotic prophylaxis. BMJ: British Medical Journal, 2008, 336, 976.2-976.	2.4	1
63	Adaption and Responses. , 2012, , 275-284.		1
64	Physiology of shock and volume resuscitation. Surgery, 2016, 34, 543-549.	0.1	1
65	Peripheral Cardiac Sympathetic dysfunction in the prehypertensive Spontaneously Hypertensive Rat. FASEB Journal, 2012, 26, 1091.21.	0.2	1
66	Particulate guanylyl cyclase and cholinergic control of cardiac excitability is site specific. Cardiovascular Research, 2002, 54, 697-698.	1.8	0
67	Cardiovascular Proteomics. , 2012, , 261-271.		0
68	A case of difficult RV lead placement. Heart, 2014, 100, 434-435.	1.2	0
69	56â€…Endocardial Left Ventricular Pacing Across the Inter-ventricular Septum for Cardiac Resynchronisation Therapy â€“ Clinical Results. Heart, 2016, 102, A41.1-A41.	1.2	0
70	Physiology of shock and volume resuscitation. Surgery, 2019, 37, 541-548.	0.1	0
71	Pravastatin normalizes peripheral sympathetic hyperactivity in the Spontaneously Hypertensive Rat by reducing cardiac angiotensin 2 levels. FASEB Journal, 2010, 24, 1049.3.	0.2	0
72	Galanin reduces cardiac vagal acetylcholine release and bradycardia via a GalR1, protein kinase C dependent pathway. FASEB Journal, 2010, 24, 625.11.	0.2	0

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73	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. SSRN Electronic Journal, 0, , .	0.4	0
74	17â€...Participants with diabetes mellitus have preserved metabolic flexibility. , 2021, , .		0
75	Rationale and study design of the MINERVA study: Multicentre Investigation of Novel Electrocardiogram Risk markers in Ventricular Arrhythmia predictionâ€"UK multicentre collaboration. BMJ Open, 2022, 12, e059527.	0.8	0
76	Cosmas: a new toolbox for analysis of analysis of cardiac optical mapping data. Biophysical Journal, 2022, 121, 136a.	0.2	0
77	Abstract 9649: Challenging The Dogma: Increasing Cardiac Fatty Acid Rather Than Glucose Utilisation Improves Cardiac Function in Severe Non-Ischaemic Heart Failure With Reduced Ejection Fraction (HFrEF). Circulation, 2021, 144, .	1.6	0
78	Post-Ganglionic Sympathetic Neurons can Directly Sense Raised Extracellular Na+ via SCN7a/Nax. Frontiers in Physiology, 0, 13, .	1.3	0