Kamalan Jeevaratnam

List of Publications by Year
in descending order

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90 papers	1,632 citations	361413 20 h-index	414414 32 g-index
103 all docs	103 docs citations	103 times ranked	1525 citing authors

#	Article	IF	Citations
1	Comparison of Sodium-Glucose Cotransporter-2 Inhibitor and Dipeptidyl Peptidase-4 Inhibitor on the Risks of New-Onset Atrial Fibrillation, Stroke and Mortality in Diabetic Patients: A Propensity Score-Matched Study in Hong Kong. Cardiovascular Drugs and Therapy, 2023, 37, 561-569.	2.6	28
2	Fundamentals of arrhythmogenic mechanisms and treatment strategies for equine atrial fibrillation. Equine Veterinary Journal, 2022, 54, 262-282.	1.7	3
3	Systematic review of renal denervation for the management of cardiac arrhythmias. Clinical Research in Cardiology, 2022, 111, 971-993.	3.3	4
4	Detecting paroxysmal atrial fibrillation from normal sinus rhythm in equine athletes using Symmetric Projection Attractor Reconstruction and machine learning. Cardiovascular Digital Health Journal, 2022, 3, 96-106.	1.3	5
5	Long COVID-19 and Postural Orthostatic Tachycardia Syndrome- Is Dysautonomia to Be Blamed?. Frontiers in Cardiovascular Medicine, 2022, 9, 860198.	2.4	47
6	Using Learning Theories to Develop a Veterinary Student Preparedness Toolkit for Workplace Clinical Training. Frontiers in Veterinary Science, 2022, 9, 833034.	2.2	3
7	Editorial: Risk Stratification Strategies for Cardiac Rhythm Abnormalities. Frontiers in Cardiovascular Medicine, 2022, 9, 887461.	2.4	1
8	A remote mentorship model for empowering students to undertake electrocardiology research: Effects on gender equity. Journal of Electrocardiology, 2022, 72, 128-130.	0.9	1
9	Thapsigargin blocks electromagnetic fieldâ€elicited intracellular Ca²⁺ increase in HEK 293 cells. Physiological Reports, 2022, 10, e15189.	1.7	7
10	Electrical stimulation through conductive scaffolds for cardiomyocyte tissue engineering: Systematic review and narrative synthesis. Annals of the New York Academy of Sciences, 2022, 1515, 105-119.	3.8	3
11	Territory-Wide Chinese Cohort of Long QT Syndrome: Random Survival Forest and Cox Analyses. Frontiers in Cardiovascular Medicine, 2021, 8, 608592.	2.4	23
12	Predictive scores for identifying patients with type 2 diabetes mellitus at risk of acute myocardial infarction and sudden cardiac death. Endocrinology, Diabetes and Metabolism, 2021, 4, e00240.	2.4	27
13	Arrhythmogenic Mechanisms in Hypokalaemia: Insights From Pre-clinical Models. Frontiers in Cardiovascular Medicine, 2021, 8, 620539.	2.4	14
14	Territory-wide cohort study of Brugada syndrome in Hong Kong: predictors of long-term outcomes using random survival forests and non-negative matrix factorisation. Open Heart, 2021, 8, e001505.	2.3	33
15	Use of Online Resources to Study Cardiology by Clinical Veterinary Students in the United Kingdom. Journal of Veterinary Medical Education, 2021, , e20200075.	0.6	1
16	To what extent do preclinical veterinary students in the UK utilize online resources to study physiology. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 160-171.	1.6	13
17	Student perspectives of preparedness characteristics for clinical learning within a fully distributed veterinary teaching model. PLoS ONE, 2021, 16, e0249669.	2.5	6
18	Effects of electromagnetic fields on neuronal ion channels: a systematic review. Annals of the New York Academy of Sciences, 2021, 1499, 82-103.	3.8	19

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19	Veterinary Education during Covid-19 and Beyondâ€"Challenges and Mitigating Approaches. Animals, 2021, 11, 1818.	2.3	19
20	Carbon Nanotube-Based Scaffolds for Cardiac Tissue Engineeringâ€"Systematic Review and Narrative Synthesis. Bioengineering, 2021, 8, 80.	3.5	11
21	Development of a predictive risk model for all-cause mortality in patients with diabetes in Hong Kong. BMJ Open Diabetes Research and Care, 2021, 9, e001950.	2.8	17
22	Molecular basis of ventricular arrhythmogenicity in a Pgc-1Î± deficient murine model. Molecular Genetics and Metabolism Reports, 2021, 27, 100753.	1.1	3
23	Derivation of an electronic frailty index for predicting shortâ€term mortality in heart failure: a machine learning approach. ESC Heart Failure, 2021, 8, 2837-2845.	3.1	21
24	Risk stratification of cardiac arrhythmias and sudden cardiac death in type 2 diabetes mellitus patients receiving insulin therapy: A populationâ€based cohort study. Clinical Cardiology, 2021, 44, 1602-1612.	1.8	20
25	Reply to: â€œTechnology should work for the educatorsâ€. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 466-466.	1.6	0
26	Paediatric/young versus adult patients with long QT syndrome. Open Heart, 2021, 8, e001671.	2.3	19
27	Quantum Biology: An Update and Perspective. Quantum Reports, 2021, 3, 80-126.	1.3	74
28	Transcriptional profiles of genes related to electrophysiological function in Scn5a^{+/â^'} murine hearts. Physiological Reports, 2021, 9, e15043.	1.7	2
29	Fragmented QRS Is Independently Predictive of Long-Term Adverse Clinical Outcomes in Asian Patients Hospitalized for Heart Failure: A Retrospective Cohort Study. Frontiers in Cardiovascular Medicine, 2021, 8, 738417.	2.4	9
30	Is the sigma-1 receptor a potential pharmacological target for cardiac pathologies? A systematic review. IJC Heart and Vasculature, 2020, 26, 100449.	1.1	12
31	Computational approaches for detection of cardiac rhythm abnormalities: Are we there yet?. Journal of Electrocardiology, 2020, 59, 28-34.	0.9	6
32	Restitution metrics in Brugada syndrome: a systematic review and meta-analysis. Journal of Interventional Cardiac Electrophysiology, 2020, 57, 319-327.	1.3	2
33	Circulating microRNA as a Biomarker for Coronary Artery Disease. Biomolecules, 2020, 10, 1354.	4.0	20
34	Targeting the Î²â€adrenergic receptor in the clinical management of congenital long QT syndrome. Annals of the New York Academy of Sciences, 2020, 1474, 27-46.	3.8	12
35	Chloroquine, hydroxychloroquine, and COVID-19: Systematic review and narrative synthesis of efficacy and safety. Saudi Pharmaceutical Journal, 2020, 28, 1760-1776.	2.7	18
36	Protein expression profiles in murine ventricles modeling catecholaminergic polymorphic ventricular tachycardia: effects of genotype and sex. Annals of the New York Academy of Sciences, 2020, 1478, 63-74.	3.8	10

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37	Symmetric Projection Attractor Reconstruction analysis of murine electrocardiograms: Retrospective prediction of Scn5a+/- genetic mutation attributable to Brugada syndrome. Heart Rhythm O2, 2020, 1, 368-375.	1.7	5
38	The complexity of clinically-normal sinus-rhythm ECGs is decreased in equine athletes with a diagnosis of paroxysmal atrial fibrillation. Scientific Reports, 2020, 10, 6822.	3.3	10
39	Association of antimicrobial resistance and gut microbiota composition in human and non-human primates at an urban ecotourism site. Gut Pathogens, 2020, 12, 14.	3.4	8
40	Bisphosphonates and atrial fibrillation: revisiting the controversy. Annals of the New York Academy of Sciences, 2020, 1474, 15-26.	3.8	11
41	Update on antiarrhythmic drug pharmacology. Journal of Cardiovascular Electrophysiology, 2020, 31, 579-592.	1.7	12
42	The cardiac CaMKII-Nav1.5 relationship: From physiology to pathology. Journal of Molecular and Cellular Cardiology, 2020, 139, 190-200.	1.9	14
43	Chloroquine and hydroxychloroquine for COVID-19: implications for cardiac safety. European Heart Journal - Cardiovascular Pharmacotherapy, 2020, 6, 256-257.	3.0	24
44	ECG Restitution Analysis and Machine Learning to Detect Paroxysmal Atrial Fibrillation: Insight from the Equine Athlete as a Model for Human Athletes. Function, 2020, 2, zqaa031.	2.3	10
45	Reduced cardiomyocyte Na⁺ current in the ageâ€dependent murine Pgcâ€1Î²^{â^'/â^'} model of ventricular arrhythmia. Journal of Cellular Physiology, 2019, 234, 3921-3932.	4.1	10
46	Atrial Transcriptional Profiles of Molecular Targets Mediating Electrophysiological Function in Aging and Pgc-1Î² Deficient Murine Hearts. Frontiers in Physiology, 2019, 10, 497.	2.8	3
47	Ageing in Pgc-1Î²â^'/â^' mice modelling mitochondrial dysfunction induces differential expression of a range of genes regulating ventricular electrophysiology. Bioscience Reports, 2019, 39, .	2.4	5
48	Spontaneous cerebrospinal fluid rhinorrhoea and its association with body mass index (BMI). Bangladesh Journal of Medical Science, 2019, 18, 322-328.	0.2	2
49	The application of Lempel-Ziv and Titchener complexity analysis for equine telemetric electrocardiographic recordings. Scientific Reports, 2019, 9, 2619.	3.3	6
50	Sodium current inhibition following stimulation of exchange protein directly activated by cyclic-3â€²,5â€²-adenosine monophosphate (Epac) in murine skeletal muscle. Scientific Reports, 2019, 9, 1927.	3.3	9
51	Molecular basis of arrhythmic substrate in ageing murine peroxisome proliferator-activated receptor Î³ co-activator deficient hearts modelling mitochondrial dysfunction. Bioscience Reports, 2019, 39, .	2.4	10
52	Personal domains assessed in multiple mini interviews (MMIs) for healthcare student selection: A narrative synthesis systematic review. Nurse Education Today, 2018, 64, 56-64.	3.3	15
53	Cardiomyocyte ionic currents in intact young and aged murine Pgc-1Î² atrial preparations. Mechanisms of Ageing and Development, 2018, 169, 1-9.	4.6	12
54	Multiple targets for flecainide action: implications for cardiac arrhythmogenesis. British Journal of Pharmacology, 2018, 175, 1260-1278.	5.4	48

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55	Ageâ€dependent electrocardiographic changes in Pgcâ€1Î² deficient murine hearts. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 174-186.	1.9	12
56	Epacâ€induced ryanodine receptor type 2 activation inhibits sodium currents in atrial and ventricular murine cardiomyocytes. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 278-292.	1.9	21
57	Cardiac Potassium Channels: Physiological Insights for Targeted Therapy. Journal of Cardiovascular Pharmacology and Therapeutics, 2018, 23, 119-129.	2.0	54
58	Gene and Protein Expression Profile of Selected Molecular Targets Mediating Electrophysiological Function in Pgc-1Î± Deficient Murine Atria. International Journal of Molecular Sciences, 2018, 19, 3450.	4.1	4
59	Ageing, the autonomic nervous system and arrhythmia: From brain to heart. Ageing Research Reviews, 2018, 48, 40-50.	10.9	40
60	Ventricular pro-arrhythmic phenotype, arrhythmic substrate, ageing and mitochondrial dysfunction in peroxisome proliferator activated receptor-Î³ coactivator-1Î² deficient (Pgc-1Î²) murine hearts. Mechanisms of Ageing and Development, 2018, 173, 92-103.	4.6	13
61	Regulatory actions of 3â€²,5â€²â€cyclic adenosine monophosphate on osteoclast function: possible roles of Epacâ€mediated signaling. Annals of the New York Academy of Sciences, 2018, 1433, 18-28.	3.8	7
62	Arrhythmogenic mechanisms of obstructive sleep apnea in heart failure patients. Sleep, 2018, 41, .	1.1	14
63	Cardiac electrophysiological adaptations in the equine athleteâ€"Restitution analysis of electrocardiographic features. PLoS ONE, 2018, 13, e0194008.	2.5	8
64	Sodium channel biophysics, late sodium current and genetic arrhythmic syndromes. Pflugers Archiv European Journal of Physiology, 2017, 469, 629-641.	2.8	53
65	Arrhythmic effects of Epacâ€mediated ryanodine receptor activation in Langendorffâ€perfused murine hearts are associated with reduced conduction velocity. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 686-692.	1.9	18
66	Ion channels, long <scp>QT</scp> syndrome and arrhythmogenesis inÂageing. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 38-45.	1.9	13
67	Proâ€arrhythmic atrial phenotypes in incrementally paced murine Pgc1Î²^{â^'/â^'} hearts: effects of age. Experimental Physiology, 2017, 102, 1619-1634.	2.0	13
68	The effects of ageing and adrenergic challenge on electrocardiographic phenotypes in a murine model of long QT syndrome type 3. Scientific Reports, 2017, 7, 11070.	3.3	11
69	Effects of ageing on pro-arrhythmic ventricular phenotypes in incrementally paced murine Pgc-1Î² â^'/â^' hearts. Pflugers Archiv European Journal of Physiology, 2017, 469, 1579-1590.	2.8	11
70	Age-dependent atrial arrhythmic phenotype secondary to mitochondrial dysfunction in Pgc-1Î² deficient murine hearts. Mechanisms of Ageing and Development, 2017, 167, 30-45.	4.6	21
71	Student preparedness characteristics important for clinical learning: perspectives of supervisors from medicine, pharmacy and nursing. BMC Medical Education, 2017, 17, 130.	2.4	21
72	Antibiotic profiling of Methicillin Resistant Staphylococcus aureus (MRSA) isolates in stray canines and felines. Cogent Biology, 2017, 3, 1412280.	1.7	5

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73	Response to: Depolarization vs. repolarization: what is the mechanism of ventricular arrhythmogenesis underlying sodium channel haploinsufficiency in mouse hearts?. Acta Physiologica, 2016, 218, 236-238.	3.8	1
74	Sodium channel haploinsufficiency and structural change in ventricular arrhythmogenesis. Acta Physiologica, 2016, 216, 186-202.	3.8	34
75	The pharmacological potential of Phyllanthus niruri. Journal of Pharmacy and Pharmacology, 2016, 68, 953-969.	2.4	52
76	The RyR2-P2328S mutation downregulates Nav1.5 producing arrhythmic substrate in murine ventricles. Pflugers Archiv European Journal of Physiology, 2016, 468, 655-665.	2.8	31
77	Endocrine. , 2016, , 89-93.		0
78	Arrhythmic substrate, slowed propagation and increased dispersion in conduction direction in the right ventricular outflow tract of murine Scn5a+/ â^' hearts. Acta Physiologica, 2014, 211, 559-573.	3.8	21
79	Conduction Slowing Contributes to Spontaneous Ventricular Arrhythmias in Intrinsically Active Murine RyR2â€P2328S Hearts. Journal of Cardiovascular Electrophysiology, 2013, 24, 210-218.	1.7	43
80	Loss of Nav1.5 expression and function in murine atria containing the RyR2-P2328S gain-of-function mutation. Cardiovascular Research, 2013, 99, 751-759.	3.8	47
81	The Multiple Mini-Interview (MMI) for student selection in health professions training â€“ A systematic review. Medical Teacher, 2013, 35, 1027-1041.	1.8	149
82	Frequency distribution analysis of activation times and regional fibrosis in murine Scn5a hearts: The effects of ageing and sex. Mechanisms of Ageing and Development, 2012, 133, 591-599.	4.6	30
83	Altered reâ€excitation thresholds and conduction of extrasystolic action potentials contribute to arrhythmogenicity in murine models of long <scp>QT</scp> syndrome. Acta Physiologica, 2012, 206, 164-177.	3.8	5
84	The Ageâ€dependence of atrial arrhythmogenicity in <scp>Scn5a</scp>^{+/â^'}murine hearts reflects alterations in action potential propagation and recovery. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 518-527.	1.9	12
85	Acute atrial arrhythmogenicity and altered Ca2+ homeostasis in murine RyR2-P2328S hearts. Cardiovascular Research, 2011, 89, 794-804.	3.8	39
86	Delayed conduction and its implications in murine Scn5a+/â^' hearts: independent and interacting effects of genotype, age, and sex. Pflugers Archiv European Journal of Physiology, 2011, 461, 29-44.	2.8	35
87	Atrial arrhythmogenicity in aged Scn5a+/â^†KPQ mice modeling long QT type 3 syndrome and its relationship to Na+ channel expression and cardiac conduction. Pflugers Archiv European Journal of Physiology, 2010, 460, 593-601.	2.8	23
88	Periodic assessment of plasma sFlt-1 and PlGF concentrations and its association with placental morphometry in gestational hypertension (GH) - a prospective follow-up study. BMC Pregnancy and Childbirth, 2010, 10, 58.	2.4	4
89	Differences in sinoâ€atrial and atrioâ€ventricular function with age and sex attributable to the Scn5a^{+/â^'} mutation in a murine cardiac model. Acta Physiologica, 2010, 200, 23-33.	3.8	22
90	Deep Learning Applied to Attractor Images Derived from ECG Signals for Detection of Genetic Mutation. , 0, , .		4