Kamalan Jeevaratnam

List of Publications by Citations

87	846	16	25
papers	citations	h-index	g-index
102	1,199	4.2	4.72
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
87	The Multiple Mini-Interview (MMI) for student selection in health professions training - a systematic review. *Medical Teacher*, **2013**, 35, 1027-41	3	121
86	Loss of Nav1.5 expression and function in murine atria containing the RyR2-P2328S gain-of-function mutation. *Cardiovascular Research*, **2013**, 99, 751-9	9.9	39
85	Sodium channel biophysics, late sodium current and genetic arrhythmic syndromes. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 629-641	4.6	36
84	Cardiac Potassium Channels: Physiological Insights for Targeted Therapy. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2018**, 23, 119-129	2.6	36
83	Multiple targets for flecainide action: implications for cardiac arrhythmogenesis. *British Journal of Pharmacology*, **2018**, 175, 1260-1278	8.6	30
82	Conduction slowing contributes to spontaneous ventricular arrhythmias in intrinsically active murine RyR2-P2328S hearts. *Journal of Cardiovascular Electrophysiology*, **2013**, 24, 210-8	2.7	29
81	The pharmacological potential of Phyllanthus niruri. *Journal of Pharmacy and Pharmacology*, **2016**, 68, 953-69	4.8	29
80	Acute atrial arrhythmogenicity and altered Ca(2+) homeostasis in murine RyR2-P2328S hearts. *Cardiovascular Research*, **2011**, 89, 794-804	9.9	28
79	Delayed conduction and its implications in murine Scn5a(+/-) hearts: independent and interacting effects of genotype, age, and sex. *Pflugers Archiv European Journal of Physiology*, **2011**, 461, 29-44	4.6	28
78	Quantum Biology: An Update and Perspective. *Quantum Reports*, **2021**, 3, 80-126	2.1	26
77	Sodium channel haploinsufficiency and structural change in ventricular arrhythmogenesis. *Acta Physiologica*, **2016**, 216, 186-202	5.6	25
76	The RyR2-P2328S mutation downregulates Nav1.5 producing arrhythmic substrate in murine ventricles. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 655-65	4.6	24
75	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, 591-9	5.6	24
74	Chloroquine and hydroxychloroquine for COVID-19: implications for cardiac safety. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2020**, 6, 256-257	6.4	19
73	Atrial arrhythmogenicity in aged Scn5a+/DeltaKPQ 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	4.6	19
72	Ageing, the autonomic nervous system and arrhythmia: From brain to heart. *Ageing Research Reviews*, **2018**, 48, 40-50	12	18
71	Arrhythmic substrate, slowed propagation and increased dispersion in conduction direction in the right ventricular outflow tract of murine Scn5a+/- hearts. *Acta Physiologica*, **2014**, 211, 559-73	5.6	14

70	Chloroquine, hydroxychloroquine, and COVID-19: Systematic review and narrative synthesis of efficacy and safety. *Saudi Pharmaceutical Journal*, **2020**, 28, 1760-1776	4.4	14
69	Epac-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	3	13
68	Arrhythmic effects of Epac-mediated ryanodine receptor activation in Langendorff-perfused murine hearts are associated with reduced conduction velocity. *Clinical and Experimental Pharmacology and Physiology*, **2017**, 44, 686-692	3	12
67	Age-dependent atrial arrhythmic phenotype secondary to mitochondrial dysfunction in Pgc-1 deficient murine hearts. *Mechanisms of Ageing and Development*, **2017**, 167, 30-45	5.6	12
66	Differences in sino-atrial and atrio-ventricular function with age and sex attributable to the Scn5a+/- mutation in a murine cardiac model. *Acta Physiologica*, **2010**, 200, 23-33	5.6	11
65	Ion channels, long QT syndrome and arrhythmogenesis in ageing. *Clinical and Experimental Pharmacology and Physiology*, **2017**, 44 Suppl 1, 38-45	3	10
64	Age-dependent electrocardiographic changes in Pgc-1 deficient murine hearts. *Clinical and Experimental Pharmacology and Physiology*, **2018**, 45, 174-186	3	10
63	Arrhythmogenic mechanisms of obstructive sleep apnea in heart failure patients. *Sleep*, **2018**, 41,	1.1	9
62	The age-dependence of atrial arrhythmogenicity in Scn5a+/- murine hearts reflects alterations in action potential propagation and recovery. *Clinical and Experimental Pharmacology and Physiology*, **2012**, 39, 518-27	3	9
61	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	2.7	9
60	Pro-arrhythmic atrial phenotypes in incrementally paced murine Pgc1 hearts: effects of age. *Experimental Physiology*, **2017**, 102, 1619-1634	2.4	8
59	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	4.9	8
58	Student preparedness characteristics important for clinical learning: perspectives of supervisors from medicine, pharmacy and nursing. *BMC Medical Education*, **2017**, 17, 130	3.3	8
57	Personal domains assessed in multiple mini interviews (MMIs) for healthcare student selection: A narrative synthesis systematic review. *Nurse Education Today*, **2018**, 64, 56-64	3.7	8
56	Ventricular pro-arrhythmic phenotype, arrhythmic substrate, ageing and mitochondrial dysfunction in peroxisome proliferator activated receptor- coactivator-1 deficient (Pgc-1) murine hearts. *Mechanisms of Ageing and Development*, **2018**, 173, 92-103	5.6	8
55	Is the sigma-1 receptor a potential pharmacological target for cardiac pathologies? A systematic review. *IJC Heart and Vasculature*, **2020**, 26, 100449	2.4	7
54	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	4.9	6
53	Cardiomyocyte ionic currents in intact young and aged murine Pgc-1 atrial preparations. *Mechanisms of Ageing and Development*, **2018**, 169, 1-9	5.6	6

52	Effects of ageing on pro-arrhythmic ventricular phenotypes in incrementally paced murine Pgc-1 hearts. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 1579-1590	4.6	6
51	Territory-Wide Chinese Cohort of Long QT Syndrome: Random Survival Forest and Cox Analyses. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 608592	5.4	6
50	The application of Lempel-Ziv and Titchener complexity analysis for equine telemetric electrocardiographic recordings. *Scientific Reports*, **2019**, 9, 2619	4.9	5
49	Circulating microRNA as a Biomarker for Coronary Artery Disease. *Biomolecules*, **2020**, 10,	5.9	5
48	Targeting the adrenergic receptor in the clinical management of congenital long QT syndrome. *Annals of the New York Academy of Sciences*, **2020**, 1474, 27-46	6.5	5
47	Derivation of an electronic frailty index for predicting short-term mortality in heart failure: a machine learning approach. *ESC Heart Failure*, **2021**, 8, 2837-2845	3.7	5
46	Arrhythmogenic Mechanisms in Hypokalaemia: Insights From Pre-clinical Models. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 620539	5.4	5
45	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,	3	5
44	Regulatory actions of 3R,5Rcyclic adenosine monophosphate on osteoclast function: possible roles of Epac-mediated signaling. *Annals of the New York Academy of Sciences*, **2018**, 1433, 18-28	6.5	5
43	Antibiotic profiling of Methicillin Resistant Staphylococcus aureus (MRSA) isolates in stray canines and felines. *Cogent Biology*, **2017**, 3, 1412280	1.6	4
42	Cardiac electrophysiological adaptations in the equine athlete-Restitution analysis of electrocardiographic features. *PLoS ONE*, **2018**, 13, e0194008	3.7	4
41	Reduced cardiomyocyte Na current in the age-dependent murine Pgc-1model of ventricular arrhythmia. *Journal of Cellular Physiology*, **2019**, 234, 3921-3932	7	4
40	Altered re-excitation thresholds and conduction of extrasystolic action potentials contribute to arrhythmogenicity in murine models of long QT syndrome. *Acta Physiologica*, **2012**, 206, 164-77	5.6	4
39	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	3.2	4
38	Molecular basis of arrhythmic substrate in ageing murine peroxisome proliferator-activated receptor co-activator deficient hearts modelling mitochondrial dysfunction. *Bioscience Reports*, **2019**, 39,	4.1	4
37	ECG Restitution Analysis and Machine Learning to Detect Paroxysmal Atrial Fibrillation: Insight from the Equine Athlete as a Model for Human Athletes.. *Function*, **2021**, 2, zqaa031	6.1	4
36	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	1.9	4
35	Sodium current inhibition following stimulation of exchange protein directly activated by cyclic-3R,5Radenosine monophosphate (Epac) in murine skeletal muscle. *Scientific Reports*, **2019**, 9, 1927	4.9	4

34	Ageing in mice modelling mitochondrial dysfunction induces differential expression of a range of genes regulating ventricular electrophysiology. *Bioscience Reports*, **2019**, 39,	4.1	3
33	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	1.5	3
32	Association of antimicrobial resistance and gut microbiota composition in human and non-human primates at an urban ecotourism site. *Gut Pathogens*, **2020**, 12, 14	5.4	3
31	Update on antiarrhythmic drug pharmacology. *Journal of Cardiovascular Electrophysiology*, **2020**, 31, 579-592	2.7	3
30	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	6.5	3
29	Veterinary Education during Covid-19 and Beyond-Challenges and Mitigating Approaches. *Animals*, **2021**, 11,	3.1	3
28	Carbon Nanotube-Based Scaffolds for Cardiac Tissue Engineering-Systematic Review and Narrative Synthesis. *Bioengineering*, **2021**, 8,	5.3	3
27	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,	4.5	3
26	Gene and Protein Expression Profile of Selected Molecular Targets Mediating Electrophysiological Function in Deficient Murine Atria. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	3
25	Atrial Transcriptional Profiles of Molecular Targets Mediating Electrophysiological Function in Aging and Deficient Murine Hearts. *Frontiers in Physiology*, **2019**, 10, 497	4.6	2
24	Spontaneous cerebrospinal fluid rhinorrhoea and its association with body mass index (BMI). *Bangladesh Journal of Medical Science*, **2019**, 18, 322-328	0.4	2
23	Bisphosphonates and atrial fibrillation: revisiting the controversy. *Annals of the New York Academy of Sciences*, **2020**, 1474, 15-26	6.5	2
22	Deep Learning Applied to Attractor Images Derived from ECG Signals for Detection of Genetic Mutation		2
21	Risk stratification of cardiac arrhythmias and sudden cardiac death in type 2 diabetes mellitus patients receiving insulin therapy: A population-based cohort study. *Clinical Cardiology*, **2021**, 44, 1602-1612	2.3	2
20	Long COVID-19 and Postural Orthostatic Tachycardia Syndrome- Is Dysautonomia to Be Blamed?. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 860198	5.4	2
19	The cardiac CaMKII-Na1.5 relationship: From physiology to pathology. *Journal of Molecular and Cellular Cardiology*, **2020**, 139, 190-200	5.8	1
18	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*, **2022**, 1	3.9	1
17	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	5.4	1

16	Chloroquine, hydroxychloroquine, and COVID-19: systematic review and narrative synthesis of efficacy and safety: Systematic review of (hydroxy)chloroquine efficacy and safety		1
15	Computational approaches for detection of cardiac rhythm abnormalities: Are we there yet?. *Journal of Electrocardiology*, **2020**, 59, 28-34	1.4	1
14	Restitution metrics in Brugada syndrome: a systematic review and meta-analysis. *Journal of Interventional Cardiac Electrophysiology*, **2020**, 57, 319-327	2.4	1
13	Effects of electromagnetic fields on neuronal ion channels: a systematic review. *Annals of the New York Academy of Sciences*, **2021**, 1499, 82-103	6.5	1
12	Development of Predictive Risk Models for All-cause Mortality in Pulmonary Hypertension using Machine Learning		1
11	Paediatric/young versus adult patients with long QT syndrome. *Open Heart*, **2021**, 8,	3	1
10	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	2	1
9	Thapsigargin blocks electromagnetic field-elicited intracellular Ca increase in HEK 293 cells.. *Physiological Reports*, **2022**, 10, e15189	2.6	1
8	Systematic review of renal denervation for the management of cardiac arrhythmias. *Clinical Research in Cardiology*, **2021**, 1	6.1	0
7	Transcriptional profiles of genes related to electrophysiological function in Scn5a murine hearts. *Physiological Reports*, **2021**, 9, e15043	2.6	0
6	Student perspectives of preparedness characteristics for clinical learning within a fully distributed veterinary teaching model. *PLoS ONE*, **2021**, 16, e0249669	3.7	0
5	Molecular basis of ventricular arrhythmogenicity in a Pgc-1□deficient murine model. *Molecular Genetics and Metabolism Reports*, **2021**, 27, 100753	1.8	0
4	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	5.6	0
3	Using Learning Theories to Develop a Veterinary Student Preparedness Toolkit for Workplace Clinical Training.. *Frontiers in Veterinary Science*, **2022**, 9, 833034	3.1	0
2	Reply to: "Technology should work for the educators". *American Journal of Physiology - Advances in Physiology Education*, **2021**, 45, 466	1.9	
1	A remote mentorship model for empowering students to undertake electrocardiology research: Effects on gender equity.. *Journal of Electrocardiology*, **2022**, 72, 128-130	1.4	