

# Francis L Burton

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

556  
citations

1307594

7  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Initiation of ventricular arrhythmia in the acquired long QT syndrome. <i>Cardiovascular Research</i> , 2023, 119, 465-476.	3.8	8
2	Conventional rigid 2D substrates cause complex contractile signals in monolayers of human induced pluripotent stem cell-derived cardiomyocytes. <i>Journal of Physiology</i> , 2022, 600, 483-507.	2.9	8
3	Electrophysiological heterogeneity in large populations of rabbit ventricular cardiomyocytes. <i>Cardiovascular Research</i> , 2022, 118, 3112-3125.	3.8	13
4	The Use of Voltage Sensitive Dye di-4-ANEPPS and Video-Based Contractility Measurements to Assess Drug Effects on Excitation-Contraction Coupling in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 77, 280-290.	1.9	6
5	Electrophysiology of hiPSC-Cardiomyocytes Co-Cultured with HEK Cells Expressing the Inward Rectifier Channel. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6621.	4.1	3
6	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 529-551.	9.4	28
7	Repolarization studies using human stem cell-derived cardiomyocytes: Validation studies and best practice recommendations. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 117, 104756.	2.7	24
8	Moderate but not severe hypothermia causes pro-arrhythmic changes in cardiac electrophysiology. <i>Cardiovascular Research</i> , 2020, 116, 2081-2090.	3.8	27
9	MUSCLEMOTION. <i>Circulation Research</i> , 2018, 122, e5-e16.	4.5	235
10	Quantification of Muscle Contraction <i>In Vitro</i> and <i>In Vivo</i> Using MUSCLEMOTION Software: From Stem Cell-Derived Cardiomyocytes to Zebrafish and Human Hearts. <i>Current Protocols in Human Genetics</i> , 2018, 99, e67.	3.5	14
11	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-79.	0.0	0
12	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, YIA-3.	0.0	0
13	Artery Tertiary Lymphoid Organs Control Aorta Immunity and Protect against Atherosclerosis via Vascular Smooth Muscle Cell Lymphotoxin $\beta^2$ Receptors. <i>Immunity</i> , 2015, 42, 1100-1115.	14.3	179
14	Acidosis slows electrical conduction through the atrio-ventricular node. <i>Frontiers in Physiology</i> , 2014, 5, 233.	2.8	11