

Stefan A Mann

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,623
citations

361045

20
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of mathematical models of cardiomyocyte electrophysiology. <i>Mathematical Biosciences</i> , 2021, 334, 108567.	0.9	16
2	Assessment of proarrhythmogenic risk for chloroquine and hydroxychloroquine using the CiPA concept. <i>European Journal of Pharmacology</i> , 2021, 913, 174632.	1.7	12
3	Recording of multiple ion current components and action potentials in human induced pluripotent stem cell-derived cardiomyocytes via automated patch-clamp. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 100, 106599.	0.3	17
4	Natural products modulating the hERG channel: heartaches and hope. <i>Natural Product Reports</i> , 2017, 34, 957-980.	5.2	51
5	Rescue of protein expression defects may not be enough to abolish the proarrhythmic phenotype of long QT type 2 mutations. <i>Journal of Physiology</i> , 2016, 594, 4031-4049.	1.3	28
6	Convergence of models of human ventricular myocyte electrophysiology after global optimization to recapitulate clinical long QT phenotypes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 100, 25-34.	0.9	46
7	Temperature Effects on Kinetics of $K_{v11.1}$ Drug Block Have Important Consequences for In Silico Proarrhythmic Risk Prediction. <i>Molecular Pharmacology</i> , 2016, 90, 1-11.	1.0	17
8	In silico assessment of kinetics and state dependent binding properties of drugs causing acquired LQTS. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 120, 89-99.	1.4	32
9	Differential Response to Risperidone in Schizophrenia Patients by <i>KCNH2</i> Genotype and Drug Metabolizer Status. <i>American Journal of Psychiatry</i> , 2016, 173, 53-59.	4.0	24
10	Getting to the heart of hERG $K_{v11.1}$ channel gating. <i>Journal of Physiology</i> , 2015, 593, 2575-2585.	1.3	26
11	Multiscale cardiac modelling reveals the origins of notched T waves in long QT syndrome type 2. <i>Nature Communications</i> , 2014, 5, 5069.	5.8	45
12	Kinetics of Drug Interaction with the $Kv11.1$ Potassium Channel. <i>Molecular Pharmacology</i> , 2014, 85, 769-776.	1.0	26
13	Genetic variation in the two-pore domain potassium channel, TASK-1, may contribute to an atrial substrate for arrhythmogenesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 67, 69-76.	0.9	66
14	Quantifying the origins of population variability in cardiac electrical activity through sensitivity analysis of the electrocardiogram. <i>Journal of Physiology</i> , 2013, 591, 4207-4222.	1.3	22
15	A transgenic zebrafish model of a human cardiac sodium channel mutation exhibits bradycardia, conduction-system abnormalities and early death. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 61, 123-132.	0.9	52
16	Trafficking defects in PAS domain mutant $Kv11.1$ channels: roles of reduced domain stability and altered domain-domain interactions. <i>Biochemical Journal</i> , 2013, 454, 69-77.	1.7	36
17	hERG $K_{v11.1}$ Channels: Structure, Function, and Clinical Significance. <i>Physiological Reviews</i> , 2012, 92, 1393-1478.	13.1	581
18	Epistatic Effects of Potassium Channel Variation on Cardiac Repolarization and Atrial Fibrillation Risk. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1017-1025.	1.2	58

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19	R222Q SCN5A Mutation Is Associated With Reversible Ventricular Ectopy and Dilated Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1566-1573.	1.2	119
20	The Schizophrenia-Associated Kv11.1-3.1 Isoform Results in Reduced Current Accumulation during Repetitive Brief Depolarizations. <i>PLoS ONE</i> , 2012, 7, e45624.	1.1	24
21	Mapping the sequence of conformational changes underlying selectivity filter gating in the Kv11.1 potassium channel. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 35-41.	3.6	49
22	Corticosteroids reverse cytokine-induced block of survival and differentiation of oligodendrocyte progenitor cells from rats. <i>Journal of Neuroinflammation</i> , 2008, 5, 39.	3.1	40
23	Enhancement of dopaminergic properties and protection mediated by neuronal activation of Ras in mouse ventral mesencephalic neurones. <i>European Journal of Neuroscience</i> , 2007, 25, 1971-1981.	1.2	19
24	Integration of a scanning ion conductance microscope into phase contrast optics and its application to the quantification of morphological parameters of selected cells. <i>Journal of Microscopy</i> , 2006, 224, 152-157.	0.8	9
25	Constant-Distance Mode Scanning Potentiometry. 1. Visualization of Calcium Carbonate Dissolution in Aqueous Solution. <i>Analytical Chemistry</i> , 2004, 76, 3682-3688.	3.2	53
26	Monitoring cell movements and volume changes with pulse-mode scanning ion conductance microscopy. <i>Journal of Microscopy</i> , 2003, 212, 144-151.	0.8	77
27	Pulse-mode scanning ion conductance microscopy—a method to investigate cultured hippocampal cells. <i>Journal of Neuroscience Methods</i> , 2002, 116, 113-117.	1.3	78