Hua Rong Lu

List of Publications by Year
in descending order

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28	1,224	471509 17	501196 28
papers	citations	h-index	g-index

29	29	29	1408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identifying Acute Cardiac Hazard in Early Drug Discovery Using a Calcium Transient High-Throughput Assay in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Physiology, 2022, 13, 838435.	2.8	3
2	Utility of Normalized TdP Score System in Drug Proarrhythmic Potential Assessment: A Blinded in vitro Study of CiPA Drugs. Clinical Pharmacology and Therapeutics, 2021, 109, 1606-1617.	4.7	11
3	Comparison of the Simulated Response of Three in Silico Human Stem Cell-Derived Cardiomyocytes Models and in Vitro Data Under 15 Drug Actions. Frontiers in Pharmacology, 2021, 12, 604713.	3.5	15
4	Repolarization studies using human stem cell-derived cardiomyocytes: Validation studies and best practice recommendations. Regulatory Toxicology and Pharmacology, 2020, 117, 104756.	2.7	24
5	Assessing Drug-Induced Long QT and Proarrhythmic Risk Using Human Stem-Cell-Derived Cardiomyocytes in a Ca2+ Imaging Assay: Evaluation of 28 CiPA Compounds at Three Test Sites. Toxicological Sciences, 2019, 170, 345-356.	3.1	21
6	Impact of calcium-sensitive dyes on the beating properties and pharmacological responses of human iPS-derived cardiomyocytes using the calcium transient assay. Journal of Pharmacological and Toxicological Methods, 2018, 91, 80-86.	0.7	13
7	Development of a Human iPSC Cardiomyocyte-Based Scoring System for Cardiac Hazard Identification in Early Drug Safety De-risking. Stem Cell Reports, 2018, 11, 1365-1377.	4.8	42
8	Prognostic value of electrocardiographic time intervals and QT rate dependence in hypertrophic cardiomyopathy. Journal of Electrocardiology, 2018, 51, 1077-1083.	0.9	8
9	Evaluation of cardiac arrhythmic risks using a rabbit model of left ventricular systolic dysfunction. European Journal of Pharmacology, 2018, 832, 145-155.	3.5	18
10	Monitoring reperfused myocardial infarction with delayed left ventricular systolic dysfunction in rabbits by longitudinal imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 754-769.	2.0	5
11	Chronic drugâ€induced effects on contractile motion properties and cardiac biomarkers in human induced pluripotent stem cellâ€derived cardiomyocytes. British Journal of Pharmacology, 2017, 174, 3766-3779.	5.4	43
12	Application of optical action potentials in human induced pluripotent stem cells-derived cardiomyocytes to predict drug-induced cardiac arrhythmias. Journal of Pharmacological and Toxicological Methods, 2017, 87, 53-67.	0.7	29
13	Response of Robyns to the Tse's letter to editor. Annals of Noninvasive Electrocardiology, 2017, 22, .	1.1	4
14	Human In Silico Drug Trials Demonstrate Higher Accuracy than Animal Models in Predicting Clinical Pro-Arrhythmic Cardiotoxicity. Frontiers in Physiology, 2017, 8, 668.	2.8	227
15	Evaluation of Index of Cardioâ€Electrophysiological Balance (iCEB) as a New Biomarker for the Identification of Patients at Increased Arrhythmic Risk. Annals of Noninvasive Electrocardiology, 2016, 21, 294-304.	1.1	75
16	Assessment of drug-induced proarrhythmia: The importance of study design in the rabbit left ventricular wedge model. Journal of Pharmacological and Toxicological Methods, 2016, 81, 151-160.	0.7	14
17	Functional and Transcriptional Characterization of Histone Deacetylase Inhibitor-Mediated Cardiac Adverse Effects in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Stem Cells Translational Medicine, 2016, 5, 602-612.	3.3	43
18	High Throughput Measurement of Ca⁺⁺Dynamics in Human Stem Cell-Derived Cardiomyocytes by Kinetic Image Cytometery: A Cardiac Risk Assessment Characterization Using a Large Panel of Cardioactive and Inactive Compounds. Toxicological Sciences, 2015, 148, 503-516.	3.1	79

#	Article	IF	Citations
19	Effect of sitagliptin treatment on metabolism and cardiac function in genetic diabetic mice. European Journal of Pharmacology, 2014, 723, 175-180.	3.5	12
20	A new biomarker â€“ index of Cardiac Electrophysiological Balance (iCEB) â€“ plays an important role in drug-induced cardiac arrhythmias: beyond QT-prolongation and Torsades de Pointes (TdPs). Journal of Pharmacological and Toxicological Methods, 2013, 68, 250-259.	0.7	90
21	Repolarization reserve determines drug responses in human pluripotent stem cell derived cardiomyocytes. Stem Cell Research, 2013, 10, 48-56.	0.7	64
22	Direct effects of arsenic trioxide on action potentials in isolated cardiac tissues: Importance of the choice of species, type of cardiac tissue and perfusion time. Journal of Pharmacological and Toxicological Methods, 2012, 66, 135-144.	0.7	9
23	Does terfenadineâ€induced ventricular tachycardia/fibrillation directly relate to its QT prolongation and Torsades de Pointes?. British Journal of Pharmacology, 2012, 166, 1490-1502.	5.4	49
24	Predicting drugâ€induced slowing of conduction and proâ€arrhythmia: identifying the â€˜badâ€™ sodium current blockers. British Journal of Pharmacology, 2010, 160, 60-76.	5.4	64
25	Choice of cardiac tissue in vitro plays an important role in assessing the risk of drug-induced cardiac arrhythmias in human: Beyond QT prolongation. Journal of Pharmacological and Toxicological Methods, 2008, 57, 1-8.	0.7	28
26	Drug-induced long QT in isolated rabbit Purkinje fibers: importance of action potential duration, triangulation and early afterdepolarizations. European Journal of Pharmacology, 2002, 452, 183-192.	3.5	57
27	Species Plays an Important Role in Drug-Induced Prolongation of Action Potential Duration and Early Afterdepolarizations in Isolated Purkinje Fibers. Journal of Cardiovascular Electrophysiology, 2001, 12, 93-102.	1.7	104
28	Female Gender is a Risk Factor for Drug-Induced Long QT and Cardiac Arrhythmias in an In Vivo Rabbit Model. Journal of Cardiovascular Electrophysiology, 2001, 12, 538-545.	1.7	71