Jose Vicente

List of Publications by Year in descending order

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Version: 2024-02-01

43 papers	1,992 citations	361413 20 h-index	254184 43 g-index
49 all docs	49 docs citations	49 times ranked	2250 citing authors

#	Article	IF	Citations
1	An evaluation of 30 clinical drugs against the comprehensive in vitro proarrhythmia assay (CiPA) proposed ion channel panel. Journal of Pharmacological and Toxicological Methods, 2016, 81, 251-262.	0.7	227
2	Differentiating Drug-Induced Multichannel Block on the Electrocardiogram: Randomized Study of Dofetilide, Quinidine, Ranolazine, and Verapamil. Clinical Pharmacology and Therapeutics, 2014, 96, 549-558.	4.7	213
3	Comprehensive Translational Assessment of Human-Induced Pluripotent Stem Cell Derived Cardiomyocytes for Evaluating Drug-Induced Arrhythmias. Toxicological Sciences, 2017, 155, 234-247.	3.1	213
4	Drowsiness detection using heart rate variability. Medical and Biological Engineering and Computing, 2016, 54, 927-937.	2.8	191
5	Late sodium current block for drugâ€induced long QT syndrome: Results from a prospective clinical trial. Clinical Pharmacology and Therapeutics, 2016, 99, 214-223.	4.7	120
6	Comprehensive T wave Morphology Assessment in a Randomized Clinical Study of Dofetilide, Quinidine, Ranolazine, and Verapamil. Journal of the American Heart Association, 2015, 4, .	3.7	115
7	Mechanistic Modelâ€informed Proarrhythmic Risk Assessment of Drugs: Review of the â€œCiPAâ€Initiative and Design of a Prospective Clinical Validation Study. Clinical Pharmacology and Therapeutics, 2018, 103, 54-66.	4.7	106
8	Common Genetic Variant Risk Score Is Associated With Drug-Induced QT Prolongation and Torsade de Pointes Risk. Circulation, 2017, 135, 1300-1310.	1.6	96
9	Improving the Assessment of Heart Toxicity for All New Drugs Through Translational Regulatory Science. Clinical Pharmacology and Therapeutics, 2014, 95, 501-508.	4.7	80
10	Assessment of Multiâ€Ion Channel Block in a Phase I Randomized Study Design: Results of the Ci<scp>PA</scp> Phase I <scp>ECG</scp> Biomarker Validation Study. Clinical Pharmacology and Therapeutics, 2019, 105, 943-953.	4.7	66
11	Mechanisms of sex and age differences in ventricular repolarization in humans. American Heart Journal, 2014, 168, 749-756.e3.	2.7	61
12	Clinical Trial in a Dish: Personalized Stem Cellâ€“Derived Cardiomyocyte Assay Compared With Clinical Trial Results for Two <scp>QT</scp>â€Prolonging Drugs. Clinical and Translational Science, 2019, 12, 687-697.	3.1	42
13	Electrocardiographic Biomarkers for Detection of Drug-Induced Late Sodium Current Block. PLoS ONE, 2016, 11, e0163619.	2.5	33
14	Automated Algorithm for J-Tpeak and Tpeak-Tend Assessment of Drug-Induced Proarrhythmia Risk. PLoS ONE, 2016, 11, e0166925.	2.5	31
15	Assessing ECG signal quality indices to discriminate ECGs with artefacts from pathologically different arrhythmic ECGs. Physiological Measurement, 2016, 37, 1370-1382.	2.1	25
16	Heart rate dependency of JT interval sections. Journal of Electrocardiology, 2017, 50, 814-824.	0.9	25
17	Comparative analysis of media effects on human induced pluripotent stem cell-derived cardiomyocytes in proarrhythmia risk assessment. Journal of Pharmacological and Toxicological Methods, 2018, 90, 39-47.	0.7	25
18	Evolving regulatory paradigm for proarrhythmic risk assessment for new drugs. Journal of Electrocardiology, 2016, 49, 837-842.	0.9	24

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19	TDR pressure cell for monitoring water content retention and bulk electrical conductivity curves in undisturbed soil samples. Hydrological Processes, 2012, 26, 246-254.	2.6	20
20	Errors of Fixed QT Heart Rate Corrections Used in the Assessment of Drug-Induced QTc Changes. Frontiers in Physiology, 2019, 10, 635.	2.8	18
21	Robust algorithm to locate heart beats from multiple physiological waveforms by individual signal detector voting. Physiological Measurement, 2015, 36, 1705-1716.	2.1	16
22	Importance of QT/RR hysteresis correction in studies of drug-induced QTc interval changes. Journal of Pharmacokinetics and Pharmacodynamics, 2018, 45, 491-503.	1.8	15
23	TDR-LAB 2.0 Improved TDR Software for Soil Water Content and Electrical Conductivity Measurements. Procedia Environmental Sciences, 2013, 19, 474-483.	1.4	14
24	Electrocardiographic biomarkers to confirm drug's electrophysiological effects used for proarrhythmic risk prediction under CiPA. Journal of Electrocardiology, 2017, 50, 808-813.	0.9	14
25	Implications of Individual QT/RR Profilesâ€"Part 1: Inaccuracies and Problems of Population-Specific QT/Heart Rate Corrections. Drug Safety, 2019, 42, 401-414.	3.2	14
26	The Potential Role of the Jâ€₹ peak Interval in Proarrhythmic Cardiac Safety: Current State of the Science From the American College of Clinical Pharmacology and the Cardiac Safety Research Consortium. Journal of Clinical Pharmacology, 2019, 59, 909-914.	2.0	13
27	An evaluation of multiple algorithms for the measurement of the heart rate corrected JTpeak interval. Journal of Electrocardiology, 2017, 50, 769-775.	0.9	12
28	Detection of T Wave Peak for Serial Comparisons of JTp Interval. Frontiers in Physiology, 2019, 10, 934.	2.8	12
29	A new TDR probe for measurements of soil solution electrical conductivity. Journal of Hydrology, 2012, 448-449, 73-79.	5.4	11
30	Investigation of potential mechanisms of sex differences in quinidine-induced torsade de pointes risk. Journal of Electrocardiology, 2015, 48, 533-538.	0.9	11
31	Heart Rate Correction of the J-to-Tpeak Interval. Scientific Reports, 2019, 9, 15060.	3.3	10
32	Sex differences in drug-induced changes in ventricular repolarization. Journal of Electrocardiology, 2015, 48, 1081-1087.	0.9	8
33	Heartbeat fusion algorithm to reduce false alarms for arrhythmias. , 2015, , .		6
34	An automated disc infiltrometer for infiltration rate measurements using a microflowmeter. Hydrological Processes, 2012, 26, 240-245.	2.6	5
35	Update on the ECG component of the CiPA initiative. Journal of Electrocardiology, 2018, 51, S98-S102.	0.9	5
36	Implications of Individual QT/RR Profilesâ€"Part 2: Zero QTc/RR Correlations Do Not Prove QTc Correction Accuracy in Studies of QTc Changes. Drug Safety, 2019, 42, 415-426.	3.2	5

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37	hERG block potencies for 5 positive control drugs obtained per ICH E14/S7B Q&As best practices: Impact of recording temperature and drug loss. Journal of Pharmacological and Toxicological Methods, 2022, 117, 107193.	0.7	5
38	The 43rd International Society for Computerized Electrocardiology ECG initiative for the automated detection of strict left bundle branch block. Journal of Electrocardiology, 2018, 51, S25-S30.	0.9	4
39	Novel High-Throughput Quantitation of Potent hERG Blocker Dofetilide in Human Plasma by Liquid Chromatography Tandem Mass Spectrometry: Application in a Phase 1 ECG Biomarker Validation Study. Journal of Analytical Toxicology, 2020, 44, 180-187.	2.8	3
40	A novel ECG detector performance metric and its relationship with missing and false heart rate limit alarms. Journal of Electrocardiology, 2018, 51, 68-73.	0.9	3
41	Computer simulations to investigate the causes of T-wave notching. Journal of Electrocardiology, 2015, 48, 927-932.	0.9	2
42	Sex differences in drug-induced QT prolongation. , 2020, , 799-806.		0
43	Assessing Effect of Beat Detector on Detection Dependent Signal Quality Indices. , 0, , .		0