

# Ivan Kopljar

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

426  
citations

933447

10  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gambierol, a toxin produced by the dinoflagellate <i>Gambierdiscus toxicus</i> , is a potent blocker of voltage-gated potassium channels. <i>Toxicon</i> , 2008, 51, 974-983.	1.6	83
2	A polyether biotoxin binding site on the lipid-exposed face of the pore domain of Kv channels revealed by the marine toxin gambierol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9896-9901.	7.1	52
3	Functional and Transcriptional Characterization of Histone Deacetylase Inhibitor-Mediated Cardiac Adverse Effects in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Stem Cells Translational Medicine</i> , 2016, 5, 602-612.	3.3	43
4	Chronic drug-induced effects on contractile motion properties and cardiac biomarkers in human induced pluripotent stem cell-derived cardiomyocytes. <i>British Journal of Pharmacology</i> , 2017, 174, 3766-3779.	5.4	43
5	Development of a Human iPSC Cardiomyocyte-Based Scoring System for Cardiac Hazard Identification in Early Drug Safety De-risking. <i>Stem Cell Reports</i> , 2018, 11, 1365-1377.	4.8	42
6	Purification, molecular cloning and functional characterization of HelaTx1 ( <i>Heterometrus laoticus</i> ): The first member of a new $\text{I}^{\text{a}}$ -KTX subfamily. <i>Biochemical Pharmacology</i> , 2012, 83, 1307-1317.	4.4	32
7	The ladder-shaped polyether toxin gambierol anchors the gating machinery of Kv3.1 channels in the resting state. <i>Journal of General Physiology</i> , 2013, 141, 359-369.	1.9	24
8	Assessing Drug-Induced Long QT and Proarrhythmic Risk Using Human Stem-Cell-Derived Cardiomyocytes in a $\text{Ca}^{2+}$ Imaging Assay: Evaluation of 28 CiPA Compounds at Three Test Sites. <i>Toxicological Sciences</i> , 2019, 170, 345-356.	3.1	21
9	Impact of calcium-sensitive dyes on the beating properties and pharmacological responses of human iPSC-derived cardiomyocytes using the calcium transient assay. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 91, 80-86.	0.7	13
10	The resting membrane potential of hSC-CM in a syncytium is more hyperpolarised than that of isolated cells. <i>Channels</i> , 2021, 15, 239-252.	2.8	9
11	Pharmacological Profile of the Sodium Current in Human Stem Cell-Derived Cardiomyocytes Compares to Heterologous Nav1.5+ $\beta$ 1 Model. <i>Frontiers in Pharmacology</i> , 2019, 10, 1374.	3.5	8
12	Voltage-sensor conformation shapes the intra-membrane drug binding site that determines gambierol affinity in Kv channels. <i>Neuropharmacology</i> , 2016, 107, 160-167.	4.1	5
13	Gambierol and n-alkanols inhibit Shaker Kv channel via distinct binding sites outside the K <sup>+</sup> pore. <i>Toxicon</i> , 2016, 120, 57-60.	1.6	3
14	Alkanols inhibit voltage-gated K <sup>+</sup> channels via a distinct gating modifying mechanism that prevents gate opening. <i>Scientific Reports</i> , 2015, 5, 17402.	3.3	2
15	The Mechanism of Action of Microalgal Toxins Interacting with NaV and KV Channels. , 2014, , 3-34.		0