Jodene Eldstrom

List of Publications by Year
in descending order

20	501	759233 12	752698 20
papers	citations	h-index	g-index

22	22	22	530
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inactivation of KCNQ1 potassium channels reveals dynamic coupling between voltage sensing and pore opening. Nature Communications, 2017, 8, 1730.	12.8	65
2	Unnatural amino acid photo-crosslinking of the IKs channel complex demonstrates a KCNE1:KCNQ1 stoichiometry of up toÂ4:4. ELife, 2016, 5, .	6.0	63
3	The Molecular Basis of High-Affinity Binding of the Antiarrhythmic Compound Vernakalant (RSD1235) to Kv1.5 Channels. Molecular Pharmacology, 2007, 72, 1522-1534.	2.3	55
4	Localization of Kv1.5 channels in rat and canine myocyte sarcolemma. FEBS Letters, 2006, 580, 6039-6046.	2.8	45
5	Single-channel basis for the slow activation of the repolarizing cardiac potassium current, I _{Ks}. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E996-1005.	7.1	45
6	I _{Ks} ion-channel pore conductance can result from individual voltage sensor movements. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7879-7888.	7.1	27
7	Mechanistic basis for LQT1 caused by S3 mutations in the KCNQ1 subunit of IKs. Journal of General Physiology, 2010, 135, 433-448.	1.9	26
8	The voltage-gated channel accessory protein KCNE2: multiple ion channel partners, multiple ways to long QT syndrome. Expert Reviews in Molecular Medicine, 2011, 13, e38.	3.9	25
9	Microscopic mechanisms for long QT syndrome type 1 revealed by single-channel analysis of IKs with S3 domain mutations in KCNQ1. Heart Rhythm, 2015, 12, 386-394.	0.7	25
10	cAMP-dependent regulation of IKs single-channel kinetics. Journal of General Physiology, 2017, 149, 781-798.	1.9	20
11	Photo-Cross-Linking of I Ks Demonstrates State-Dependent Interactions between KCNE1 and KCNQ1. Biophysical Journal, 2017, 113, 415-425.	0.5	18
12	The IKs Ion Channel Activator Mefenamic Acid Requires KCNE1 and Modulates Channel Gating in a Subunit-Dependent Manner. Molecular Pharmacology, 2020, 97, 132-144.	2.3	16
13	Structural and electrophysiological basis for the modulation of KCNQ1 channel currents by ML277. Nature Communications, 2022, 13, .	12.8	15
14	Mechanisms of Action of Novel Influenza A/M2 Viroporin Inhibitors Derived from Hexamethylene Amiloride. Molecular Pharmacology, 2016, 90, 80-95.	2.3	13
15	ML277 regulates KCNQ1 single-channel amplitudes and kinetics, modified by voltage sensor state. Journal of General Physiology, 2021, 153, .	1.9	10
16	Modeling of high-affinity binding of the novel atrial anti-arrhythmic agent, vernakalant, to Kv1.5 channels. Journal of Molecular Graphics and Modelling, 2009, 28, 226-235.	2.4	9
17	A novel ion conducting route besides the central pore in an inherited mutant of Gâ€proteinâ€gated inwardly rectifying K⁺ channel. Journal of Physiology, 2022, 600, 603-622.	2.9	8
18	Single channel kinetic analysis of the cAMP effect on I_{Ks} mutants, S209F and S27D/S92D. Channels, 2018, 12, 276-283.	2.8	5

#	Article	IF	Citations
19	The I Channel Response to cAMP Is Modulated by the KCNE1:KCNQ1 Stoichiometry. Biophysical Journal, 2018, 115, 1731-1740.	0.5	5
20	Hormonal Signaling Actions on Kv7.1 (KCNQ1) Channels. Annual Review of Pharmacology and Toxicology, 2021, 61, 381-400.	9.4	4