Wandi Zhu

List of Publications by Year
in descending order

17	463	759233 12	940533 16
papers	citations	h-index	g-index

17	17	17	632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PIEZO1 mediates a mechanothrombotic pathway in diabetes. Science Translational Medicine, 2022, 14, eabk1707.	12.4	28
2	Single Cell Biology: Exploring Somatic Cell Behaviors, Competition and Selection in Chronic Disease. Frontiers in Pharmacology, 2022, 13, .	3.5	1
3	Modulation of the effects of Class-Ib antiarrhythmics on cardiac NaV1.5-encoded channels by accessory NaVÎ² subunits. JCI Insight, 2021, 6, .	5.0	7
4	Conformations of voltage-sensing domain III differentially define NaV channel closed- and open-state inactivation. Journal of General Physiology, 2021, 153, .	1.9	7
5	Molecular Pathology of Sodium Channel Beta-Subunit Variants. Frontiers in Pharmacology, 2021, 12, 761275.	3.5	16
6	Conservation and divergence in NaChBac and NaV1.7 pharmacology reveals novel drug interaction mechanisms. Scientific Reports, 2020, 10, 10730.	3.3	9
7	A Molecularly Detailed NaV1.5 Model Reveals a New Class I Antiarrhythmic Target. JACC Basic To Translational Science, 2019, 4, 736-751.	4.1	15
8	Gating control of the cardiac sodium channel Nav1.5 by its Î²3-subunit involves distinct roles for a transmembrane glutamic acid and the extracellular domain. Journal of Biological Chemistry, 2019, 294, 19752-19763.	3.4	12
9	Predicting Patient Response to the Antiarrhythmic Mexiletine Based on Genetic Variation. Circulation Research, 2019, 124, 539-552.	4.5	48
10	Regulation of Na+ channel inactivation by the DIII and DIV voltage-sensing domains. Journal of General Physiology, 2017, 149, 389-403.	1.9	30
11	Mechanisms of noncovalent Î² subunit regulation of NaV channel gating. Journal of General Physiology, 2017, 149, 813-831.	1.9	62
12	Mechanisms and models of cardiac sodium channel inactivation. Channels, 2017, 11, 517-533.	2.8	27
13	Depolarization of the conductance-voltage relationship in the NaV1.5 mutant, E1784K, is due to altered fast inactivation. PLoS ONE, 2017, 12, e0184605.	2.5	14
14	A novel NaV1.5 voltage sensor mutation associated with severe atrial and ventricular arrhythmias. Journal of Molecular and Cellular Cardiology, 2016, 92, 52-62.	1.9	19
15	Molecular motions that shape the cardiac action potential: Insights from voltage clamp fluorometry. Progress in Biophysics and Molecular Biology, 2016, 120, 3-17.	2.9	19
16	Direct Measurement of Cardiac Na ⁺ Channel Conformations Reveals Molecular Pathologies of Inherited Mutations. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1228-1239.	4.8	32
17	The signaling lipid PI(3,5)P₂stabilizes V₁â€“V_osector interactions and activates the V-ATPase. Molecular Biology of the Cell, 2014, 25, 1251-1262.	2.1	117