Colin H Peters

List of Publications by Year
in descending order

24 papers	464 citations	759233 12 h-index	752698 20 g-index
28 all docs	28 docs citations	28 times ranked	522 citing authors

#	Article	IF	Citations
1	Cardiac Pacemaker Activity and Aging. Annual Review of Physiology, 2020, 82, 21-43.	13.1	59
2	Extracellular Proton Modulation of the Cardiac Voltage-Gated Sodium Channel, NaV1.5. Biophysical Journal, 2011, 101, 2147-2156.	0.5	44
3	Acidosis Differentially Modulates Inactivation in NaV1.2, NaV1.4, and NaV1.5 Channels. Frontiers in Pharmacology, 2012, 3, 109.	3.5	40
4	Differential thermosensitivity in mixed syndrome cardiac sodium channel mutants. Journal of Physiology, 2015, 593, 4201-4223.	2.9	34
5	Triggers for arrhythmogenesis in the Brugada and long QT 3 syndromes. Progress in Biophysics and Molecular Biology, 2016, 120, 77-88.	2.9	31
6	Proton Sensors in the Pore Domain of the Cardiac Voltage-gated Sodium Channel. Journal of Biological Chemistry, 2013, 288, 4782-4791.	3.4	27
7	Effects of the antianginal drug, ranolazine, on the brain sodium channel <scp>N</scp>a_V1.2 and its modulation by extracellular protons. British Journal of Pharmacology, 2013, 169, 704-716.	5.4	25
8	Introduction to Sodium Channels. Handbook of Experimental Pharmacology, 2014, 221, 1-6.	1.8	18
9	Proton-dependent inhibition of the cardiac sodium channel Nav1.5 by ranolazine. Frontiers in Pharmacology, 2013, 4, 78.	3.5	17
10	Effects of acidosis on neuronal voltage-gated sodium channels: Nav1.1 and Nav1.3. Channels, 2018, 12, 367-377.	2.8	17
11	Functional Genomics of Epilepsy and Associated Neurodevelopmental Disorders Using Simple Animal Models: From Genes, Molecules to Brain Networks. Frontiers in Cellular Neuroscience, 2019, 13, 556.	3.7	17
12	pH Modulation of Voltage-Gated Sodium Channels. Handbook of Experimental Pharmacology, 2018, 246, 147-160.	1.8	16
13	Bidirectional flow of the funny current (I _f) during the pacemaking cycle in murine sinoatrial node myocytes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
14	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
15	Compound heterozygous TRPV4 mutations in two siblings with a complex phenotype including severe intellectual disability and neuropathy. American Journal of Medical Genetics, Part A, 2017, 173, 3087-3092.	1.2	13
16	Isoform-specific regulation of HCN4 channels by a family of endoplasmic reticulum proteins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18079-18090.	7.1	13
17	Intracellular Na+ Modulates Pacemaking Activity in Murine Sinoatrial Node Myocytes: An In Silico Analysis. International Journal of Molecular Sciences, 2021, 22, 5645.	4.1	13
18	Persistent sodium currents in SCN1A developmental and degenerative epileptic dyskinetic encephalopathy. Brain Communications, 2021, 3, fcab235.	3.3	12

#	Article	IF	Citations
19	A Mixed Periodic Paralysis & Myotonia Mutant, P1158S, Imparts pH-Sensitivity in Skeletal Muscle Voltage-gated Sodium Channels. Scientific Reports, 2018, 8, 6304.	3.3	11
20	Regulation of HCN Channels by Protein Interactions. Frontiers in Physiology, 0, 13, .	2.8	11
21	E1784K, the most common Brugada syndrome and long-QT syndrome type 3 mutant, disrupts sodium channel inactivation through two separate mechanisms. Journal of General Physiology, 2020, 152, .	1.9	10
22	The L1624Q Variant in SCN1A Causes Familial Epilepsy Through a Mixed Gain and Loss of Channel Function. Frontiers in Pharmacology, 2021, 12, 788192.	3.5	3
23	Arrhythmogenic triggers associated with Sudden Cardiac Death. Channels, 2018, 12, 76-77.	2.8	1
24	Case studies in neuroscience: a novel amino acid duplication in the NH₂-terminus of the brain sodium channel Na_V1.1 underlying Dravet syndrome. Journal of Neurophysiology, 2019, 122, 1975-1980.	1.8	1