Johann Schredelseker

List of Publications by Year
in descending order

23 papers	1,190 citations	471509 17 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1936 citing authors

#	Article	IF	Citations
1	A Calcium Guard in the Outer Membrane: Is VDAC a Regulated Gatekeeper of Mitochondrial Calcium Uptake?. International Journal of Molecular Sciences, 2021, 22, 946.	4.1	37
2	Cardiac-specific deletion of voltage dependent anion channel 2 leads to dilated cardiomyopathy by altering calcium homeostasis. Nature Communications, 2021, 12, 4583.	12.8	24
3	Glutamate 73 Promotes Anti-arrhythmic Effects of Voltage-Dependent Anion Channel Through Regulation of Mitochondrial Ca2+ Uptake. Frontiers in Physiology, 2021, 12, 724828.	2.8	4
4	Approved drugs ezetimibe and disulfiram enhance mitochondrial Ca²⁺ uptake and suppress cardiac arrhythmogenesis. British Journal of Pharmacology, 2021, 178, 4518-4532.	5.4	13
5	The antiarrhythmic compound efsevin directly modulates voltageâ€dependent anion channel 2 by binding to its inner wall and enhancing mitochondrial Ca 2+ uptake. British Journal of Pharmacology, 2020, 177, 2947-2958.	5.4	15
6	Regulatory myeloid cells paralyze T cells through cellâ€“cell transfer of the metabolite methylglyoxal. Nature Immunology, 2020, 21, 555-566.	14.5	147
7	TRPV4 channels are essential for alveolar epithelial barrier function as protection from lung edema. JCI Insight, 2020, 5, .	5.0	28
8	Agonist-mediated switching of ion selectivity in TPC2 differentially promotes lysosomal function. ELife, 2020, 9, .	6.0	108
9	Insulin-like growth factor-1 acts as a zeitgeber on hypothalamic circadian clock gene expression via glycogen synthase kinase-3Î² signaling. Journal of Biological Chemistry, 2018, 293, 17278-17290.	3.4	24
10	TRPM6 and TRPM7 differentially contribute to the relief of heteromeric TRPM6/7 channels from inhibition by cytosolic Mg2+ and MgÂ·ATP. Scientific Reports, 2017, 7, 8806.	3.3	61
11	Suppression of Arrhythmia by EnhancingÂMitochondrial Ca2+ Uptake inÂCatecholaminergic Ventricular Tachycardia Models. JACC Basic To Translational Science, 2017, 2, 737-747.	4.1	35
12	Mitochondrial Ca2+ uptake by the voltage-dependent anion channel 2 regulates cardiac rhythmicity. ELife, 2015, 4, .	6.0	67
13	High Resolution Structure and Double Electron-Electron Resonance of the Zebrafish Voltage-dependent Anion Channel 2 Reveal an Oligomeric Population. Journal of Biological Chemistry, 2014, 289, 12566-12577.	3.4	116
14	Scl Represses Cardiomyogenesis in Prospective Hemogenic Endothelium and Endocardium. Cell, 2012, 150, 590-605.	28.9	142
15	Regulation of Voltage-Dependent Anion Channel 2 at Glutamate 73 is Critical for its Role in Cardiac Calcium Handling. Biophysical Journal, 2012, 102, 312a.	0.5	1
16	Identification and functional characterization of malignant hyperthermia mutation T1354S in the outer pore of the Ca_vÎ±_{1S}-subunit. American Journal of Physiology - Cell Physiology, 2010, 299, C1345-C1354.	4.6	51
17	Skeletal muscle excitationâ€“contraction coupling is independent of a conserved heptad repeat motif in the C-terminus of the DHPRÎ²1a subunit. Cell Calcium, 2010, 47, 500-506.	2.4	19
18	Nonâ€“Ca ²⁺ -conducting Ca ²⁺ channels in fish skeletal muscle excitation-contraction coupling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5658-5663.	7.1	52

#	Article	IF	Citations
19	Proper Restoration of Excitation-Contraction Coupling in the Dihydropyridine Receptor Î²1-null Zebrafish Relaxed Is an Exclusive Function of the Î²1a Subunit. Journal of Biological Chemistry, 2009, 284, 1242-1251.	3.4	66
20	Der Zebrafisch als vielseitiges Modellsystem. Vom Zierfisch zum Forschungsobjekt. Biologie in Unserer Zeit, 2009, 39, 389-397.	0.2	1
21	The role of auxiliary dihydropyridine receptor subunits in muscle. Journal of Muscle Research and Cell Motility, 2005, 26, 1-6.	2.0	35
22	The Â1a subunit is essential for the assembly of dihydropyridine-receptor arrays in skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17219-17224.	7.1	132
23	Isoforms vatB1 and vatB2 of the vacuolar type ATPase subunit B are differentially expressed in embryos of the zebrafish (Danio rerio). Developmental Dynamics, 2004, 230, 569-575.	1.8	12