

Johann Schredelseker

List of Publications by Year in descending order

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Version: 2024-02-01

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	Regulatory myeloid cells paralyze T cells through cell-cell transfer of the metabolite methylglyoxal. <i>Nature Immunology</i> , 2020, 21, 555-566.	14.5	147
2	Scl Represses Cardiomyogenesis in Prospective Hemogenic Endothelium and Endocardium. <i>Cell</i> , 2012, 150, 590-605.	28.9	142
3	The $\alpha 1$ subunit is essential for the assembly of dihydropyridine-receptor arrays in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17219-17224.	7.1	132
4	High Resolution Structure and Double Electron-Electron Resonance of the Zebrafish Voltage-dependent Anion Channel 2 Reveal an Oligomeric Population. <i>Journal of Biological Chemistry</i> , 2014, 289, 12566-12577.	3.4	116
5	Agonist-mediated switching of ion selectivity in TPC2 differentially promotes lysosomal function. <i>ELife</i> , 2020, 9, .	6.0	108
6	Mitochondrial Ca^{2+} uptake by the voltage-dependent anion channel 2 regulates cardiac rhythmicity. <i>ELife</i> , 2015, 4, .	6.0	67
7	Proper Restoration of Excitation-Contraction Coupling in the Dihydropyridine Receptor $\beta 1$ -null Zebrafish Relaxed Is an Exclusive Function of the $\beta 1$ Subunit. <i>Journal of Biological Chemistry</i> , 2009, 284, 1242-1251.	3.4	66
8	TRPM6 and TRPM7 differentially contribute to the relief of heteromeric TRPM6/7 channels from inhibition by cytosolic Mg^{2+} and $\text{Mg}\cdot\text{ATP}$. <i>Scientific Reports</i> , 2017, 7, 8806.	3.3	61
9	Non- Ca^{2+} -conducting Ca^{2+} channels in fish skeletal muscle excitation-contraction coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5658-5663.	7.1	52
10	Identification and functional characterization of malignant hyperthermia mutation T1354S in the outer pore of the $\text{Ca}_v1.1$ -subunit. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1345-C1354.	4.6	51
11	A Calcium Guard in the Outer Membrane: Is VDAC a Regulated Gatekeeper of Mitochondrial Calcium Uptake?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 946.	4.1	37
12	The role of auxiliary dihydropyridine receptor subunits in muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2005, 26, 1-6.	2.0	35
13	Suppression of Arrhythmia by Enhancing Mitochondrial Ca^{2+} Uptake in Catecholaminergic Ventricular Tachycardia Models. <i>JACC Basic To Translational Science</i> , 2017, 2, 737-747.	4.1	35
14	TRPV4 channels are essential for alveolar epithelial barrier function as protection from lung edema. <i>JCI Insight</i> , 2020, 5, .	5.0	28
15	Insulin-like growth factor-1 acts as a zeitgeber on hypothalamic circadian clock gene expression via glycogen synthase kinase-3 signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 17278-17290.	3.4	24
16	Cardiac-specific deletion of voltage dependent anion channel 2 leads to dilated cardiomyopathy by altering calcium homeostasis. <i>Nature Communications</i> , 2021, 12, 4583.	12.8	24
17	Skeletal muscle excitation-contraction coupling is independent of a conserved heptad repeat motif in the C-terminus of the DHPRI $\beta 1$ subunit. <i>Cell Calcium</i> , 2010, 47, 500-506.	2.4	19
18	The antiarrhythmic compound efsevin directly modulates voltage-dependent anion channel 2 by binding to its inner wall and enhancing mitochondrial Ca^{2+} uptake. <i>British Journal of Pharmacology</i> , 2020, 177, 2947-2958.	5.4	15

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19	Approved drugs ezetimibe and disulfiram enhance mitochondrial Ca ²⁺ uptake and suppress cardiac arrhythmogenesis. <i>British Journal of Pharmacology</i> , 2021, 178, 4518-4532.	5.4	13
20	Isoforms vatB1 and vatB2 of the vacuolar type ATPase subunit B are differentially expressed in embryos of the zebrafish (<i>Danio rerio</i>). <i>Developmental Dynamics</i> , 2004, 230, 569-575.	1.8	12
21	Glutamate 73 Promotes Anti-arrhythmic Effects of Voltage-Dependent Anion Channel Through Regulation of Mitochondrial Ca ²⁺ Uptake. <i>Frontiers in Physiology</i> , 2021, 12, 724828.	2.8	4
22	Der Zebrafisch als vielseitiges Modellsystem. Vom Zierfisch zum Forschungsobjekt. <i>Biologie in Unserer Zeit</i> , 2009, 39, 389-397.	0.2	1
23	Regulation of Voltage-Dependent Anion Channel 2 at Glutamate 73 is Critical for its Role in Cardiac Calcium Handling. <i>Biophysical Journal</i> , 2012, 102, 312a.	0.5	1