

Dhasakumar Navaratnam

List of Publications by Year in descending order

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26
papers

702
citations

840776

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29
all docs

29
docs citations

29
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Terminal-Mediated Homomultimerization of Prestin, the Outer Hair Cell Motor Protein. <i>Biophysical Journal</i> , 2005, 89, 3345-3352.	0.5	104
2	Stroke Code Presentations, Interventions, and Outcomes Before and During the COVID-19 Pandemic. <i>Stroke</i> , 2020, 51, 2664-2673.	2.0	81
3	Prestin's Anion Transport and Voltage-Sensing Capabilities Are Independent. <i>Biophysical Journal</i> , 2009, 96, 3179-3186.	0.5	68
4	Kv3.3 Channels Bind Hax-1 and Arp2/3 to Assemble a Stable Local Actin Network that Regulates Channel Gating. <i>Cell</i> , 2016, 165, 434-448.	28.9	57
5	A Genetically-Encoded YFP Sensor with Enhanced Chloride Sensitivity, Photostability and Reduced pH Interference Demonstrates Augmented Transmembrane Chloride Movement by Gerbil Prestin (SLC26a5). <i>PLoS ONE</i> , 2014, 9, e99095.	2.5	46
6	Efferent feedback controls bilateral auditory spontaneous activity. <i>Nature Communications</i> , 2021, 12, 2449.	12.8	45
7	Single particle cryo-EM structure of the outer hair cell motor protein prestin. <i>Nature Communications</i> , 2022, 13, 290.	12.8	34
8	Ischemic Stroke, Inflammation, and Endotheliopathy in COVID-19 Patients. <i>Stroke</i> , 2021, 52, e233-e238.	2.0	31
9	Novel Role of the Mitochondrial Protein Fus1 in Protection from Premature Hearing Loss via Regulation of Oxidative Stress and Nutrient and Energy Sensing Pathways in the Inner Ear. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 489-509.	5.4	29
10	Prestin Surface Expression and Activity Are Augmented by Interaction with MAP1S, a Microtubule-associated Protein. <i>Journal of Biological Chemistry</i> , 2010, 285, 20834-20843.	3.4	27
11	I^2_{Ca} -Subunit increases Slo responsiveness to physiological Ca^{2+} concentrations and together with I^2_{Ca} reduces surface expression of Slo in hair cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C435-C446.	4.6	23
12	Prestin kinetics and corresponding frequency dependence augment during early development of the outer hair cell within the mouse organ of Corti. <i>Scientific Reports</i> , 2019, 9, 16460.	3.3	20
13	State dependent effects on the frequency response of prestin's real and imaginary components of nonlinear capacitance. <i>Scientific Reports</i> , 2021, 11, 16149.	3.3	16
14	Current carried by the Slc26 family member prestin does not flow through the transporter pathway. <i>Scientific Reports</i> , 2017, 7, 46619.	3.3	14
15	Prestin: Molecular Mechanisms Underlying Outer Hair Cell Electromotility. <i>Springer Handbook of Auditory Research</i> , 2017, , 113-145.	0.7	14
16	Real Time Measures of Prestin Charge and Fluorescence during Plasma Membrane Trafficking Reveal Sub-Tetrameric Activity. <i>PLoS ONE</i> , 2013, 8, e66078.	2.5	13
17	Hair cell BK channels interact with RACK1, and PKC increases its expression on the cell surface by indirect phosphorylation. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C143-C150.	4.6	12
18	Maturation of Voltage-induced Shifts in SLC26a5 (Prestin) Operating Point during Trafficking and Membrane Insertion. <i>Neuroscience</i> , 2020, 431, 128-133.	2.3	12

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19	CDK5 interacts with Slo and affects its surface expression and kinetics through direct phosphorylation. American Journal of Physiology - Cell Physiology, 2012, 302, C766-C780.	4.6	10
20	Genes related to SNPs identified by Genome-wide association studies of age-related hearing loss show restriction to specific cell types in the adult mouse cochlea. Hearing Research, 2021, 410, 108347.	2.0	10
21	Seeing the long tail: A novel green fluorescent protein, SiriusGFP, for ultra long timelapse imaging. Journal of Neuroscience Methods, 2019, 313, 68-76.	2.5	8
22	On the temperature and tension dependence of the outer hair cell lateral membrane conductance G _{metL} and its relation to prestin. Pflugers Archiv European Journal of Physiology, 2006, 452, 283-289.	2.8	6
23	Teaching Video NeuroImages: Vestibulo-ocular reflex defect in cerebellar stroke. Neurology, 2018, 91, e888-e889.	1.1	6
24	Calcium-induced calcium release in proximity to hair cell BK channels revealed by PKA activation. Physiological Reports, 2020, 8, e14449.	1.7	6
25	Pilot MRI-based strategies to improve the detection of stroke in patients with dizziness/vertigo. Clinical Imaging, 2022, 82, 234-236.	1.5	4
26	Evaluating Prestin's Changing Biophysical Attributes in Development Using a Tet-Induced Cell Line. , 2011, , .		1