Carl A Nist-Lund

List of Publications by Year
in descending order

13 papers	838 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	1065 citing authors

#	Article	IF	Citations
1	TMC1 Forms the Pore of Mechanosensory Transduction Channels in Vertebrate Inner Ear Hair Cells. Neuron, 2018, 99, 736-753.e6.	8.1	250
2	Allele-specific gene editing prevents deafness in a model of dominant progressive hearing loss. Nature Medicine, 2019, 25, 1123-1130.	30.7	149
3	A Fluorinated Alkoxyaluminate Electrolyte for Magnesium-Ion Batteries. ACS Energy Letters, 2016, 1, 1227-1232.	17.4	119
4	ImprovedÂTMC1 gene therapy restores hearing and balance in mice with genetic inner ear disorders. Nature Communications, 2019, 10, 236.	12.8	104
5	Efficient viral transduction in mouse inner ear hair cells with utricle injection and AAV9-PHP.B. Hearing Research, 2020, 394, 107882.	2.0	55
6	Single and Dual Vector Gene Therapy with AAV9-PHP.B Rescues Hearing in Tmc1 Mutant Mice. Molecular Therapy, 2021, 29, 973-988.	8.2	36
7	Direct Delivery of Antisense Oligonucleotides to the Middle and Inner Ear Improves Hearing and Balance in Usher Mice. Molecular Therapy, 2020, 28, 2662-2676.	8.2	27
8	Dual-vector gene therapy restores cochlear amplification and auditory sensitivity in a mouse model of DFNB16 hearing loss. Science Advances, 2021, 7, eabi7629.	10.3	24
9	pH regulates potassium conductance and drives a constitutive proton current in human TMEM175. Science Advances, 2022, 8, eabm1568.	10.3	22
10	Transgenic Tmc2 expression preserves inner ear hair cells and vestibular function in mice lacking Tmc1. Scientific Reports, 2018, 8, 12124.	3.3	17
11	A fluorinated dialkoxide-based magnesium-ion electrolyte. Journal of Materials Chemistry A, 2017, 5, 7801-7805.	10.3	16
12	Advancements in innerÂear development, regeneration, and repair through otic organoids. Current Opinion in Genetics and Development, 2022, 76, 101954.	3.3	8
13	Improving halide-containing magnesium-ion electrolyte performance via sterically hindered alkoxide ligands. Journal of Power Sources, 2017, 362, 308-314.	7.8	4