Isabelle Roux

List of Publications by Year
in descending order

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18	1,575	567281 15	839539 18
papers	citations	h-index	g-index

18	18	18	1711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Otoferlin, Defective in a Human Deafness Form, Is Essential for Exocytosis at the Auditory Ribbon Synapse. Cell, 2006, 127, 277-289.	28.9	554
2	Elevated mutation rates in the germ line of first- and second-generation offspring of irradiated male mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6877-6882.	7.1	193
3	Results of cochlear implantation in two children with mutations in the OTOF gene. International Journal of Pediatric Otorhinolaryngology, 2006, 70, 689-696.	1.0	114
4	Probing the Functional Equivalence of Otoferlin and Synaptotagmin 1 in Exocytosis. Journal of Neuroscience, 2011, 31, 4886-4895.	3.6	94
5	Notch Signaling Limits Supporting Cell Plasticity in the Hair Cell-Damaged Early Postnatal Murine Cochlea. PLoS ONE, 2013, 8, e73276.	2.5	87
6	Dendritic HCN Channels Shape Excitatory Postsynaptic Potentials at the Inner Hair Cell Afferent Synapse in the Mammalian Cochlea. Journal of Neurophysiology, 2010, 103, 2532-2543.	1.8	86
7	Myosin VI is required for the proper maturation and function of inner hair cell ribbon synapses. Human Molecular Genetics, 2009, 18, 4615-4628.	2.9	81
8	Calcium- and Otoferlin-Dependent Exocytosis by Immature Outer Hair Cells. Journal of Neuroscience, 2008, 28, 1798-1803.	3.6	80
9	Onset of Cholinergic Efferent Synaptic Function in Sensory Hair Cells of the Rat Cochlea. Journal of Neuroscience, 2011, 31, 15092-15101.	3.6	68
10	RgIA4 Potently Blocks Mouse Î±9Î±10 nAChRs and Provides Long Lasting Protection against Oxaliplatin-Induced Cold Allodynia. Frontiers in Cellular Neuroscience, 2017, 11, 219.	3.7	56
11	Vezatin, an integral membrane protein of adherens junctions, is required for the sound resilience of cochlear hair cells. EMBO Molecular Medicine, 2009, 1, 125-138.	6.9	39
12	PHR1, an integral membrane protein of the inner ear sensory cells, directly interacts with myosin 1c and myosin VIIa. Journal of Cell Science, 2005, 118, 2891-2899.	2.0	33
13	A commonSLC26A4-linked haplotype underlying non-syndromic hearing loss with enlargement of the vestibular aqueduct. Journal of Medical Genetics, 2017, 54, 665-673.	3.2	29
14	Genetic Hearing Loss Associated With Autoinflammation. Frontiers in Neurology, 2020, 11, 141.	2.4	27
15	Assessment of the expression and role of the Î±₁-nAChR subunit in efferent cholinergic function during the development of the mammalian cochlea. Journal of Neurophysiology, 2016, 116, 479-492.	1.8	21
16	Genomic analysis of childhood hearing loss in the Yoruba population of Nigeria. European Journal of Human Genetics, 2022, 30, 42-52.	2.8	7
17	Nicotine evoked efferent transmitter release onto immature cochlear inner hair cells. Journal of Neurophysiology, 2020, 124, 1377-1387.	1.8	3
18	Dissection of the Endolymphatic Sac from Mice. Journal of Visualized Experiments, 2021, , .	0.3	3