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List of Publications by Year
in descending order

46 papers	3,843 citations	159585 30 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	2353 citing authors

#	Article	IF	Citations
1	Identification of a series of hair-cell MET channel blockers that protect against aminoglycoside-induced ototoxicity. JCI Insight, 2021, 6, .	5.0	27
2	Preferential Cochleotoxicity of Cisplatin. Frontiers in Neuroscience, 2021, 15, 695268.	2.8	20
3	Hair cell maturation is differentially regulated along the tonotopic axis of the mammalian cochlea. Journal of Physiology, 2020, 598, 151-170.	2.9	34
4	Impact of sight and hearing loss in patients with Norrie disease: advantages of Dual Sensory clinics in patient care. BMJ Paediatrics Open, 2020, 4, e000781.	1.4	4
5	Gentamicin Affects the Bioenergetics of Isolated Mitochondria and Collapses the Mitochondrial Membrane Potential in Cochlear Sensory Hair Cells. Frontiers in Cellular Neuroscience, 2019, 13, 416.	3.7	18
6	Design, Synthesis, and Biological Evaluation of a New Series of Carvedilol Derivatives That Protect Sensory Hair Cells from Aminoglycoside-Induced Damage by Blocking the Mechanoelectrical Transducer Channel. Journal of Medicinal Chemistry, 2019, 62, 5312-5329.	6.4	22
7	Coordinated calcium signalling in cochlear sensory and nonâ€sensory cells refines afferent innervation of outer hair cells. EMBO Journal, 2019, 38, .	7.8	52
8	Aminoglycoside- and Cisplatin-Induced Ototoxicity: Mechanisms and Otoprotective Strategies. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a033548.	6.2	100
9	ORC-13661 protects sensory hair cells from aminoglycoside and cisplatin ototoxicity. JCI Insight, 2019, 4, .	5.0	52
10	Mechanotransduction is required for establishing and maintaining mature inner hair cells and regulating efferent innervation. Nature Communications, 2018, 9, 4015.	12.8	54
11	Generating inner ear organoids containing putative cochlear hair cells from human pluripotent stem cells. Cell Death and Disease, 2018, 9, 922.	6.3	62
12	Wake up your ears! ATP sculpts development along the auditory system. Journal of Physiology, 2017, 595, 1019-1020.	2.9	0
13	d-Tubocurarine and Berbamine: Alkaloids That Are Permeant Blockers of the Hair Cell's Mechano-Electrical Transducer Channel and Protect from Aminoglycoside Toxicity. Frontiers in Cellular Neuroscience, 2017, 11, 262.	3.7	40
14	TMC2 Modifies Permeation Properties of the Mechanoelectrical Transducer Channel in Early Postnatal Mouse Cochlear Outer Hair Cells. Frontiers in Molecular Neuroscience, 2017, 10, 326.	2.9	29
15	Identification of ion-channel modulators that protect against aminoglycoside-induced hair cell death. JCI Insight, 2017, 2, .	5.0	26
16	The acquisition of mechanoâ€electrical transducer current adaptation in auditory hair cells requires myosin VI. Journal of Physiology, 2016, 594, 3667-3681.	2.9	30
17	The contribution of TRPC1, TRPC3, TRPC5 and TRPC6 to touch and hearing. Neuroscience Letters, 2016, 610, 36-42.	2.1	34
18	<i>Tmc1</i>Point Mutation Affects Ca²⁺Sensitivity and Block by Dihydrostreptomycin of the Mechanoelectrical Transducer Current of Mouse Outer Hair Cells. Journal of Neuroscience, 2016, 36, 336-349.	3.6	62

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19	Drug-induced hearing loss: Infection raises the odds. Science Translational Medicine, 2015, 7, 298fs31.	12.4	4
20	Transduction without Tip Links in Cochlear Hair Cells Is Mediated by Ion Channels with Permeation Properties Distinct from Those of the Mechano-Electrical Transducer Channel. Journal of Neuroscience, 2014, 34, 5505-5514.	3.6	46
21	Calcium entry into stereocilia drives adaptation of the mechanoelectrical transducer current of mammalian cochlear hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14918-14923.	7.1	101
22	Position-dependent patterning of spontaneous action potentials in immature cochlear inner hair cells. Nature Neuroscience, 2011, 14, 711-717.	14.8	147
23	Mutations in Protocadherin 15 and Cadherin 23 Affect Tip Links and Mechanotransduction in Mammalian Sensory Hair Cells. PLoS ONE, 2011, 6, e19183.	2.5	128
24	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
25	Harmonin-b, an actin-binding scaffold protein, is involved in the adaptation of mechanoelectrical transduction by sensory hair cells. Pflugers Archiv European Journal of Physiology, 2009, 459, 115-130.	2.8	77
26	Insights into the Pore of the Hair Cell Transducer Channel from Experiments with Permeant Blockers. Current Topics in Membranes, 2007, 59, 375-398.	0.9	20
27	How to build an inner hair cell: Challenges for regeneration. Hearing Research, 2007, 227, 3-10.	2.0	37
28	<i>Tmc1</i> is necessary for normal functional maturation and survival of inner and outer hair cells in the mouse cochlea. Journal of Physiology, 2006, 574, 677-698.	2.9	101
29	Tuning in to cochlear hair cells. Journal of Physiology, 2006, 576, 7-9.	2.9	2
30	The Development of Hair Cells in the Inner Ear. , 2006, , 20-94.		10
31	Increase in efficiency and reduction in Ca2+dependence of exocytosis during development of mouse inner hair cells. Journal of Physiology, 2005, 563, 177-191.	2.9	160
32	The aminoglycoside antibiotic dihydrostreptomycin rapidly enters mouse outer hair cells through the mechano â€¨â€electrical transducer channels. Journal of Physiology, 2005, 567, 505-521.	2.9	310
33	Development and properties of stereociliary link types in hair cells of the mouse cochlea. Journal of Comparative Neurology, 2005, 485, 75-85.	1.6	201
34	Development of Outward Potassium Currents in Inner and Outer Hair Cells from the Embryonic Mouse Cochlea. Audiology and Neuro-Otology, 2005, 10, 22-34.	1.3	17
35	Cadherin 23 is a component of the transient lateral links in the developing hair bundles of cochlear sensory cells. Developmental Biology, 2005, 280, 281-294.	2.0	151
36	Effects of intracellular stores and extracellular Ca2+on Ca2+-activated K+currents in mature mouse inner hair cells. Journal of Physiology, 2004, 557, 613-633.	2.9	86

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37	A transiently expressed SK current sustains and modulates action potential activity in immature mouse inner hair cells. Journal of Physiology, 2004, 560, 691-708.	2.9	107
38	Sodium and calcium currents shape action potentials in immature mouse inner hair cells. Journal of Physiology, 2003, 552, 743-761.	2.9	173
39	Developmental changes in the expression of potassium currents of embryonic, neonatal and mature mouse inner hair cells. Journal of Physiology, 2003, 548, 383-400.	2.9	230
40	Membrane capacitance measurement using patch clamp with integrated self-balancing lock-in amplifier. Pflugers Archiv European Journal of Physiology, 2002, 443, 653-663.	2.8	45
41	Beethoven, a mouse model for dominant, progressive hearing loss DFNA36. Nature Genetics, 2002, 30, 257-258.	21.4	246
42	Gating energies and forces of the mammalian hair cell transducer channel and related hair bundle mechanics. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1915-1923.	2.6	66
43	Developmental expression of the potassium current <i>I</i>_{K,n} contributes to maturation of mouse outer hair cells. Journal of Physiology, 1999, 520, 653-660.	2.9	191
44	Expression of a potassium current in inner hair cells during development of hearing in mice. Nature, 1998, 394, 281-284.	27.8	370
45	The paradox of hair cell adaptation. Journal of Physiology, 1998, 506, 1-1.	2.9	3
46	Physiology of Mammalian Cochlear Hair Cells. Springer Handbook of Auditory Research, 1996, , 318-385.	0.7	67