

Hair Cell Transduction, Tuning, and Synaptic Transmissi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Understanding Molecular Evolution and Development of the Organ of Corti Can Provide Clues for Hearing Restoration. <i>Integrative and Comparative Biology</i> , 2018, 58, 351-365.	0.9	21
2	The Stress Response in the Non-sensory Cells of the Cochlea Under Pathological Conditionsâ€”Possible Role in Mediating Noise Vulnerability. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2018, 19, 637-652.	0.9	18
3	The microRNA-183/96/182 Cluster is Essential for Stereociliary Bundle Formation and Function of Cochlear Sensory Hair Cells. <i>Scientific Reports</i> , 2018, 8, 18022.	1.6	37
4	Protons as Messengers of Intercellular Communication in the Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 342.	1.8	42
5	Cell-Specific Transcriptome Analysis Shows That Adult Pillar and Deiters' Cells Express Genes Encoding Machinery for Specializations of Cochlear Hair Cells. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 356.	1.4	102
6	High Time for Hair Cells: An Introduction to the Symposium on Sensory Hair Cells. <i>Integrative and Comparative Biology</i> , 2018, 58, 276-281.	0.9	0
7	Sensory Hair Cells: An Introduction to Structure and Physiology. <i>Integrative and Comparative Biology</i> , 2018, 58, 282-300.	0.9	49
8	Million-dollar Kavli prize recognizes scientist scooped on CRISPR. <i>Nature</i> , 2018, 558, 17-18.	13.7	2
9	Otolithic Receptor Mechanisms for Vestibular-Evoked Myogenic Potentials: A Review. <i>Frontiers in Neurology</i> , 2018, 9, 366.	1.1	67
10	Bioinformatic Integration of Molecular Networks and Major Pathways Involved in Mice Cochlear and Vestibular Supporting Cells. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 108.	1.4	5
11	Synaptopathy in the Aging Cochlea: Characterizing Early-Neural Deficits in Auditory Temporal Envelope Processing. <i>Journal of Neuroscience</i> , 2018, 38, 7108-7119.	1.7	130
12	Sound abnormally stimulates the vestibular system in canal dehiscence syndrome by generating pathological fluid-mechanical waves. <i>Scientific Reports</i> , 2018, 8, 10257.	1.6	31
13	Molecular Structure of the Hair Cell Mechanoelectrical Transduction Complex. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a033167.	2.9	36
14	Expression of the LRR52 g subunit (g2) may provide Ca ²⁺ -independent activation of BK currents in mouse inner hair cells. <i>FASEB Journal</i> , 2019, 33, 11721-11734.	0.2	7
15	Genomic architecture of Shh dependent cochlear morphogenesis. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	19
16	Postnatal Development of the Subcellular Structures and Purinergic Signaling of Deitersâ€™ Cells along the Tonotopic Axis of the Cochlea. <i>Cells</i> , 2019, 8, 1266.	1.8	6
17	Localization of group II and III metabotropic glutamate receptors at pre- and postsynaptic sites of inner hair cell ribbon synapses. <i>FASEB Journal</i> , 2019, 33, 13734-13746.	0.2	18
18	Neural Mechanisms of Binaural Processing in the Auditory Brainstem. , 2019, 9, 1503-1575.		41

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19	Hearing loss mutations alter the functional properties of human P2X2 receptor channels through distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22862-22871.	3.3	13
20	Petrosal morphology and cochlear function in Mesozoic stem therians. <i>PLoS ONE</i> , 2019, 14, e0209457.	1.1	21
21	Genetic Therapies for Hearing Loss: Accomplishments and Remaining Challenges. <i>Neuroscience Letters</i> , 2019, 713, 134527.	1.0	17
22	Otoferlin Depletion Results in Abnormal Synaptic Ribbons and Altered Intracellular Calcium Levels in Zebrafish. <i>Scientific Reports</i> , 2019, 9, 14273.	1.6	7
23	Mitochondrial Calcium Transporters Mediate Sensitivity to Noise-Induced Losses of Hair Cells and Cochlear Synapses. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 469.	1.4	47
24	Inhibition of Histone Methyltransferase G9a Attenuates Noise-Induced Cochlear Synaptopathy and Hearing Loss. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2019, 20, 217-232.	0.9	15
25	Phase-locking of irregular guinea pig primary vestibular afferents to high frequency (>250â€”Hz) sound and vibration. <i>Hearing Research</i> , 2019, 373, 59-70.	0.9	45
26	Different rates of endocytic activity and vesicle transport from the apical and synaptic poles of the outer hair cell. <i>Hno</i> , 2019, 67, 449-457.	0.4	4
27	A review of mechanical and synaptic processes in otolith transduction of sound and vibration for clinical VEMP testing. <i>Journal of Neurophysiology</i> , 2019, 122, 259-276.	0.9	39
28	Deletion of <i>Limk1</i> and <i>Limk2</i> in mice does not alter cochlear development or auditory function. <i>Scientific Reports</i> , 2019, 9, 3357.	1.6	19
29	Mechanisms of Hair Cell Damage and Repair. <i>Trends in Neurosciences</i> , 2019, 42, 414-424.	4.2	93
30	OHC-TRECK: A Novel System Using a Mouse Model for Investigation of the Molecular Mechanisms Associated with Outer Hair Cell Death in the Inner Ear. <i>Scientific Reports</i> , 2019, 9, 5285.	1.6	3
31	Cardioprotection from stress conditions by weak magnetic fields in the Schumann Resonance band. <i>Scientific Reports</i> , 2019, 9, 1645.	1.6	37
32	In Pursuit of the Epithelial Mechanosensitivity Mechanisms. <i>Frontiers in Endocrinology</i> , 2018, 9, 804.	1.5	13
33	A Uniform Shear Assay for Human Platelet and Cell Surface Receptors via Cone-plate Viscometry. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
34	Current concepts in cochlear ribbon synapse formation. <i>Synapse</i> , 2019, 73, e22087.	0.6	39
35	Semicircular canal biomechanics in health and disease. <i>Journal of Neurophysiology</i> , 2019, 121, 732-755.	0.9	66
36	A Bundle of Mechanisms: Inner-Ear Hair-Cell Mechanotransduction. <i>Trends in Neurosciences</i> , 2019, 42, 221-236.	4.2	71

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37	Building and repairing the stereocilia cytoskeleton in mammalian auditory hair cells. <i>Hearing Research</i> , 2019, 376, 47-57.	0.9	33
38	Tonotopy in calcium homeostasis and vulnerability of cochlear hair cells. <i>Hearing Research</i> , 2019, 376, 11-21.	0.9	66
39	RBP2 stabilizes slow Cav1.3 Ca ²⁺ channel inactivation properties of cochlear inner hair cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 3-25.	1.3	14
40	K ⁺ Accumulation and Clearance in the Calyx Synaptic Cleft of Type I Mouse Vestibular Hair Cells. <i>Neuroscience</i> , 2020, 426, 69-86.	1.1	14
41	Noise-induced loss of sensory hair cells is mediated by ROS/AMPK \pm pathway. <i>Redox Biology</i> , 2020, 29, 101406.	3.9	48
42	Ultrastructural defects in stereocilia and tectorial membrane in aging mouse and human cochleae. <i>Journal of Neuroscience Research</i> , 2020, 98, 1745-1763.	1.3	18
43	Age-Related Hearing Loss Is Dominated by Damage to Inner Ear Sensory Cells, Not the Cellular Battery That Powers Them. <i>Journal of Neuroscience</i> , 2020, 40, 6357-6366.	1.7	147
44	Disruption of Atg7-dependent autophagy causes electromotility disturbances, outer hair cell loss, and deafness in mice. <i>Cell Death and Disease</i> , 2020, 11, 913.	2.7	64
45	Cochlear mechanics: new insights from vibrometry and optical coherence tomography. <i>Current Opinion in Physiology</i> , 2020, 18, 56-62.	0.9	11
46	Cochlear homeostasis: a molecular physiological perspective on maintenance of sound transduction and auditory neurotransmission with noise and ageing. <i>Current Opinion in Physiology</i> , 2020, 18, 106-115.	0.9	3
47	An overview of occupational noise-induced hearing loss among workers: epidemiology, pathogenesis, and preventive measures. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 65.	1.4	53
48	Ammonia exposure impairs lateral-line hair cells and mechanotransduction in zebrafish embryos. <i>Chemosphere</i> , 2020, 257, 127170.	4.2	18
49	Olfactory marker protein directly buffers cAMP to avoid depolarization-induced silencing of olfactory receptor neurons. <i>Nature Communications</i> , 2020, 11, 2188.	5.8	23
50	Emilin 2 promotes the mechanical gradient of the cochlear basilar membrane and resolution of frequencies in sound. <i>Science Advances</i> , 2020, 6, eaba2634.	4.7	7
51	Using Sox2 to alleviate the hallmarks of age-related hearing loss. <i>Ageing Research Reviews</i> , 2020, 59, 101042.	5.0	24
52	Efferent synaptic transmission at the vestibular type II hair cell synapse. <i>Journal of Neurophysiology</i> , 2020, 124, 360-374.	0.9	15
53	Macromolecular and electrical coupling between inner hair cells in the rodent cochlea. <i>Nature Communications</i> , 2020, 11, 3208.	5.8	12
54	Diverse Mechanisms of Sound Frequency Discrimination in the Vertebrate Cochlea. <i>Trends in Neurosciences</i> , 2020, 43, 88-102.	4.2	34

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55	Restoring the balance: regeneration of hair cells in the vestibular system of the inner ear. <i>Current Opinion in Physiology</i> , 2020, 14, 35-40.	0.9	0
56	Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. <i>Nature Communications</i> , 2020, 11, 2066.	5.8	52
57	Protection and repair of hearing. , 2020, , 1093-1112.		0
58	Characterisation of the static offset in the travelling wave in the cochlear basal turn. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 625-635.	1.3	8
59	Genome-wide association study identifies 7q11.22 and 7q36.3 associated with noise-induced hearing loss among Chinese population. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 411-420.	1.6	11
60	Walking the line: mechanisms underlying directional mRNA transport and localisation in neurons and beyond. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2665-2681.	2.4	18
61	Rbm24 regulates inner-ear-specific alternative splicing and is essential for maintaining auditory and motor coordination. <i>RNA Biology</i> , 2021, 18, 468-480.	1.5	11
62	Electron Microscopic Reconstruction of Neural Circuitry in the Cochlea. <i>Cell Reports</i> , 2021, 34, 108551.	2.9	34
63	Single-molecule force spectroscopy reveals the dynamic strength of the hair-cell tip-link connection. <i>Nature Communications</i> , 2021, 12, 849.	5.8	24
64	Photobiomodulation with a wavelength > 800 nm induces morphological changes in stem cells within otic organoids and scala media of the cochlea. <i>Lasers in Medical Science</i> , 2021, 36, 1917-1925.	1.0	6
65	Axon-glia interactions in the ascending auditory system. <i>Developmental Neurobiology</i> , 2021, 81, 546-567.	1.5	7
66	Using the Zebrafish Lateral Line to Understand the Roles of Mitochondria in Sensorineural Hearing Loss. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 628712.	1.8	16
67	Functional Role of Class III Myosins in Hair Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 643856.	1.8	13
68	Deletion of Kcnj16 in Mice Does Not Alter Auditory Function. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 630361.	1.8	33
69	Encoding sound in the cochlea: from receptor potential to afferent discharge. <i>Journal of Physiology</i> , 2021, 599, 2527-2557.	1.3	30
70	Optimization of spectral-domain optical coherence tomography with a supercontinuum source for in vivo motion detection of low reflective outer hair cells in guinea pig cochleae. <i>Optical Review</i> , 2021, 28, 239-254.	1.2	1
71	Embryologie, Fehlbildungen und seltene Erkrankungen der Cochlea. <i>Laryngo- Rhino- Otologie</i> , 2021, 100, S1-S43.	0.2	4
72	Piccolo is essential for the maintenance of mouse retina but not cochlear hair cell function. <i>Aging</i> , 2021, 13, 11678-11695.	1.4	4

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73	Methodological Aspects of Randomized Controlled Trials for Tinnitus: A Systematic Review and How a Decision Support System Could Overcome Barriers. <i>Journal of Clinical Medicine</i> , 2021, 10, 1737.	1.0	8
74	New Tmc1 Deafness Mutations Impact Mechanotransduction in Auditory Hair Cells. <i>Journal of Neuroscience</i> , 2021, 41, 4378-4391.	1.7	18
75	Transcription co-factor LBH is necessary for the survival of cochlear hair cells. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
76	Mapping the regulatory landscape of auditory hair cells from single-cell multi-omics data. <i>Genome Research</i> , 2021, 31, 1885-1899.	2.4	16
77	Characterization of Strip1 Expression in Mouse Cochlear Hair Cells. <i>Frontiers in Genetics</i> , 2021, 12, 625867.	1.1	24
78	Cochlear supporting cells require GAS2 for cytoskeletal architecture and hearing. <i>Developmental Cell</i> , 2021, 56, 1526-1540.e7.	3.1	18
80	Deficiency of Klc2 Induces Low-Frequency Sensorineural Hearing Loss in C57BL/6 \hat{A} J Mice and Human. <i>Molecular Neurobiology</i> , 2021, 58, 4376-4391.	1.9	37
81	Navigating Hereditary Hearing Loss: Pathology of the Inner Ear. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 660812.	1.8	6
82	Deletion of Clusterin Protects Cochlear Hair Cells against Hair Cell Aging and Ototoxicity. <i>Neural Plasticity</i> , 2021, 2021, 1-14.	1.0	5
83	Hearing Sensitivity of Primates: Recurrent and Episodic Positive Selection in Hair Cells and Stereocilia Protein-Coding Genes. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	3
84	CIB2 and CIB3 are auxiliary subunits of the mechanotransduction channel of hair cells. <i>Neuron</i> , 2021, 109, 2131-2149.e15.	3.8	35
85	Truncation of the otoferlin transmembrane domain alters the development of hair cells and reduces membrane docking. <i>Molecular Biology of the Cell</i> , 2021, 32, 1293-1305.	0.9	3
86	Synaptic Contributions to Cochlear Outer Hair Cell Ca ²⁺ Dynamics. <i>Journal of Neuroscience</i> , 2021, 41, 6812-6821.	1.7	6
88	BAIAP2L2 is required for the maintenance of mechanotransducing stereocilia of cochlear hair cells. <i>Journal of Cellular Physiology</i> , 2021, , .	2.0	9
89	The Kinocilia of Cochlear Hair Cells: Structures, Functions, and Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 715037.	1.8	18
90	Dynamic Heterogeneity Shapes Patterns of Spiral Ganglion Activity. <i>Journal of Neuroscience</i> , 2021, 41, 8859-8875.	1.7	2
91	Spontaneous otoacoustic emissions are biomarkers for mice with tectorial membrane defects. <i>Hearing Research</i> , 2021, 409, 108314.	0.9	2
92	Age-Related Changes in the Cochlea and Vestibule: Shared Patterns and Processes. <i>Frontiers in Neuroscience</i> , 2021, 15, 680856.	1.4	25

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93	Electrochemical properties of the non-excitable tissue stria vascularis of the mammalian cochlea are sensitive to sounds. <i>Journal of Physiology</i> , 2021, 599, 4497-4516.	1.3	4
94	Cochlear Sox2+ Glial Cells Are Potent Progenitors for Spiral Ganglion Neuron Reprogramming Induced by Small Molecules. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 728352.	1.8	8
96	Directed differentiation and direct reprogramming: Applying stem cell technologies to hearing research. <i>Stem Cells</i> , 2021, 39, 375-388.	1.4	15
97	The Cochlea. , 2018, , 1-13.		1
98	The Sensory Organ of Hearing. , 2020, , 18-31.		1
99	Mass spectrometry quantitation of proteins from small pools of developing auditory and vestibular cells. <i>Scientific Data</i> , 2018, 5, 180128.	2.4	16
101	ORC-13661 protects sensory hair cells from aminoglycoside and cisplatin ototoxicity. <i>JCI Insight</i> , 2019, 4, .	2.3	52
102	Hearing consequences in Cjb2 knock-in mice: implications for human p.V37I mutation. <i>Aging</i> , 2019, 11, 7416-7441.	1.4	14
103	Somatosensory neurons integrate the geometry of skin deformation and mechanotransduction channels to shape touch sensing. <i>ELife</i> , 2019, 8, .	2.8	14
104	Bottom-up and top-down neural signatures of disordered multi-talker speech perception in adults with normal hearing. <i>ELife</i> , 2020, 9, .	2.8	61
105	Modellorganismen in der Sinnesphysiologie. , 2021, , 575-587.		0
106	MGlur7 is a presynaptic metabotropic glutamate receptor at ribbon synapses of inner hair cells. <i>FASEB Journal</i> , 2021, 35, e21855.	0.2	5
107	Auditory tuning in the bushcricket miniature hearing organ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2115779118.	3.3	0
108	Electron Microscopy Techniques for Investigating Structure and Composition of Hair-Cell Stereociliary Bundles. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 744248.	1.8	13
109	The role of gene GJB2 and connexin 26 in hearing impairment. <i>Ukrainian Biochemical Journal</i> , 2018, 90, 5-11.	0.1	0
111	Some Effects of Sound and Music on Organisms and Cells: A Review. <i>Annual Research & Review in Biology</i> , 0, , 1-12.	0.4	6
116	Hearing loss in children: A review of literature. <i>Journal of Medical Sciences (Taiwan)</i> , 2020, 40, 149.	0.1	2
117	Design Principles of Synthetic Biological Oscillators. , 2020, , 99-127.		1

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118	Coding of Temporal Information. , 2020, , 691-712.		1
119	Loss of cochlear ribbon synapses in the early stage of aging causes initial hearing impairment. American Journal of Translational Research (discontinued), 2020, 12, 7354-7366.	0.0	2
120	Avian hearing. , 2022, , 159-177.		4
121	MANF supports the inner hair cell synapse and the outer hair cell stereocilia bundle in the cochlea. Life Science Alliance, 2022, 5, e202101068.	1.3	3
122	Complex dynamics of hair bundle of auditory nervous system (I): spontaneous oscillations and two cases of steady states. Cognitive Neurodynamics, 2022, 16, 917-940.	2.3	6
123	Dimensions of a Living Cochlear Hair Bundle. Frontiers in Cell and Developmental Biology, 2021, 9, 742529.	1.8	8
124	Complex dynamics of hair bundle of auditory nervous system (II): forced oscillations related to two cases of steady state. Cognitive Neurodynamics, 2022, 16, 1163-1188.	2.3	8
125	Lineage-tracing and translatomic analysis of damage-inducible mitotic cochlear progenitors identifies candidate genes regulating regeneration. PLoS Biology, 2021, 19, e3001445.	2.6	12
126	Bile acid permeation enhancement for inner ear cochlear drug pharmacological uptake: bio-nanotechnologies in chemotherapy-induced hearing loss. Therapeutic Delivery, 2021, 12, 807-819.	1.2	7
127	Aligned Organization of Synapses and Mitochondria in Auditory Hair Cells. Neuroscience Bulletin, 2022, 38, 235-248.	1.5	7
128	SK Current, Expressed During the Development and Regeneration of Chick Hair Cells, Contributes to the Patterning of Spontaneous Action Potentials. Frontiers in Cellular Neuroscience, 2021, 15, 766264.	1.8	0
129	Ca ²⁺ entry through mechanotransduction channels localizes BAIAP2L2 to stereocilia tips. Molecular Biology of the Cell, 2022, 33, mbcE21100491.	0.9	6
130	Neuromechanical modulation of transmembrane voltage in a model of a nerve. Physical Review E, 2022, 105, 014407.	0.8	1
131	Characterization of the microRNA transcriptomes and proteomics of cochlear tissue-derived small extracellular vesicles from mice of different ages after birth. Cellular and Molecular Life Sciences, 2022, 79, 154.	2.4	10
132	In vivo real-time imaging reveals megalin as the aminoglycoside gentamicin transporter into cochlea whose inhibition is otoprotective. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	20
133	ANKRD24 organizes TRIOBP to reinforce stereocilia insertion points. Journal of Cell Biology, 2022, 221, .	2.3	7
134	Metabotropic Glutamate Receptors at Ribbon Synapses in the Retina and Cochlea. Cells, 2022, 11, 1097.	1.8	3
135	Intrinsic mechanical sensitivity of mammalian auditory neurons as a contributor to sound-driven neural activity. ELife, 2022, 11, .	2.8	2

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136	Identifying targets to prevent aminoglycoside ototoxicity. <i>Molecular and Cellular Neurosciences</i> , 2022, 120, 103722.	1.0	10
137	Simulation of the Physiological Characteristics of Pillar and Modiolar Fibers of the Auditory Nerve. , 2021, 2021, 4196-4199.		0
138	Cy3-ATP labeling of unfixed, permeabilized mouse hair cells. <i>Scientific Reports</i> , 2021, 11, 23855.	1.6	1
139	Usher syndrome IIIA: a review of the disorder and preclinical research advances in therapeutic approaches. <i>Human Genetics</i> , 2022, 141, 759-783.	1.8	3
140	Heme Oxygenase-1 Protects Hair Cells From Gentamicin-Induced Death. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 783346.	1.8	5
141	Traumatic-noise-induced hair cell death and hearing loss is mediated by activation of CaMKK β . <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 249.	2.4	8
154	Increased mitophagy protects cochlear hair cells from aminoglycoside-induced damage. <i>Autophagy</i> , 2023, 19, 75-91.	4.3	26
155	GF11 regulates hair cell differentiation by acting as an off-DNA transcriptional co-activator of ATOH1, and a DNA-binding repressor. <i>Scientific Reports</i> , 2022, 12, 7793.	1.6	14
156	Editorial: Hearing Loss and Cognitive Disorders. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	1
158	The Genomics of Auditory Function and Disease. <i>Annual Review of Genomics and Human Genetics</i> , 2022, 23, 275-299.	2.5	10
159	Transcriptomic and epigenomic analyses explore the potential role of H3K4me3 in neomycin-induced cochlear Lgr5+ progenitor cell regeneration of hair cells. <i>Human Cell</i> , 2022, 35, 1030-1044.	1.2	3
161	Efferent Activity Controls Hair Cell Response to Mechanical Overstimulation. <i>ENeuro</i> , 2022, 9, ENEURO.0198-22.2022.	0.9	0
162	Response of toadfish (<i>Opsanus tau</i>) utricular afferents to multimodal inputs. <i>Journal of Neurophysiology</i> , 2022, 128, 364-377.	0.9	2
163	Intratympanic drug delivery systems to treat inner ear impairments. <i>Journal of Pharmaceutical Investigation</i> , 2023, 53, 93-118.	2.7	3
164	Is there an unmet medical need for improved hearing restoration?. <i>EMBO Molecular Medicine</i> , 2022, 14, .	3.3	15
165	Insights into Inner Ear Function and Disease Through Novel Visualization of the Ductus Reunians, a Seminal Communication Between Hearing and Balance Mechanisms. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 0, , .	0.9	1
166	FCHSD2 is required for stereocilia maintenance in mouse cochlear hair cells. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	0
167	Compass in the ear: can animals sense magnetic fields with hair cells?. <i>European Physical Journal: Special Topics</i> , 0, , .	1.2	1

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168	Cellular autophagy, the compelling roles in hearing function and dysfunction. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	0
169	Repressor element 1-silencing transcription factor deficiency yields profound hearing loss through Kv7.4 channel upsurge in auditory neurons and hair cells. <i>ELife</i> , 0, 11, .	2.8	0
170	A Gap-Junction Mutation Reveals That Outer Hair Cell Extracellular Receptor Potentials Drive High-Frequency Cochlear Amplification. <i>Journal of Neuroscience</i> , 2022, 42, 7875-7884.	1.7	6
171	Otologic symptoms and hearing thresholds among a cohort of call center operators in Lagos. <i>The Egyptian Journal of Otolaryngology</i> , 2022, 38, .	0.1	1
173	Association between Ca ²⁺ Signaling Pathway-Related Gene Polymorphism and Age-Related Hearing Loss in Qingdao Chinese Elderly. <i>Russian Journal of Genetics</i> , 2022, 58, 1266-1272.	0.2	0
174	Signal Transmission by Auditory and Vestibular Hair Cells. , 0, , .		0
175	Sensing sound: Cellular specializations and molecular force sensors. <i>Neuron</i> , 2022, 110, 3667-3687.	3.8	19
176	Kiaa1024L/Minar2 is essential for hearing by regulating cholesterol distribution in hair bundles. <i>ELife</i> , 0, 11, .	2.8	2
177	Mitochondrial form and function in hair cells. <i>Hearing Research</i> , 2023, 428, 108660.	0.9	6
178	X-ray-induced bio-acoustic emissions from cultured cells. <i>International Journal of Radiation Biology</i> , 2023, 99, 1285-1290.	1.0	1
179	Loss of TMCC2 activates endoplasm reticulum stress and causes auditory hair cell death. <i>Human Molecular Genetics</i> , 2023, 32, 1622-1633.	1.4	1
180	Pathophysiology of Third Mobile Window Syndrome. , 2022, , 41-68.		0
182	The role of calcium, Akt and ERK signaling in cadmium-induced hair cell death. <i>Molecular and Cellular Neurosciences</i> , 2023, 124, 103815.	1.0	0
183	Mechanoelectrical transduction-related genetic forms of hearing loss. <i>Current Opinion in Physiology</i> , 2023, 32, 100632.	0.9	2
184	Amelioration of Sensorineural Hearing Loss through Regulation of Trpv1, Cacna1h, and Ngf Gene Expression by a Combination of Cuscutae Semen and Rehmanniae Radix Preparata. <i>Nutrients</i> , 2023, 15, 1773.	1.7	0
185	Cochlear glial cells mediate glutamate uptake through a sodium-independent transporter. <i>Hearing Research</i> , 2023, 432, 108753.	0.9	0
187	A parametric blueprint for optimum cochlear outer hair cell design. <i>Journal of the Royal Society Interface</i> , 2023, 20, .	1.5	1
188	Liquid-liquid phase separation in hair cell stereocilia development and maintenance. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 1738-1745.	1.9	1

#	ARTICLE	IF	CITATIONS
189	UHRF1-induced connexin26 methylation is involved in hearing damage triggered by intermittent hypoxia in neonatal rats. <i>Open Medicine (Poland)</i> , 2023, 18, .	0.6	0
190	Alternative splicing in shaping the molecular landscape of the cochlea. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	0
191	Control of stereocilia length during development of hair bundles. <i>PLoS Biology</i> , 2023, 21, e3001964.	2.6	3
192	The role of Espin in the stereocilia regeneration and protection in Atoh1-overexpressed cochlear epithelium. <i>Cell Proliferation</i> , 2023, 56, .	2.4	4
193	Glia of special senses. , 2023, , 449-471.		0
210	Stem Cell-Based Hair Cell Regeneration and Therapy in the Inner Ear. <i>Neuroscience Bulletin</i> , 0, , .	1.5	0
211	Bio-inspired, Neuromorphic Acoustic Sensing. <i>Springer Series on Bio- and Neurosystems</i> , 2024, , 287-315.	0.2	1
227	Anatomy and Physiology of the Auditory System. , 2024, , 101-114.		0
228	On natural selection of cochlear outer hair cell electro-mechanical properties. <i>AIP Conference Proceedings</i> , 2024, , .	0.3	0