Edwin W Rubel

List of Publications by Year
in descending order

196	14,361	9264 74	24982 109
papers	citations	h-index	g-index

201	201	201	5418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chloroquine kills hair cells in zebrafish lateral line and murine cochlear cultures: Implications for ototoxicity. Hearing Research, 2020, 395, 108019.	2.0	22
2	De novo sequencing and initial annotation of the Mongolian gerbil (Meriones unguiculatus) genome. Genomics, 2019, 111, 441-449.	2.9	29
3	ORC-13661 protects sensory hair cells from aminoglycoside and cisplatin ototoxicity. JCI Insight, 2019, 4, .	5.0	52
4	Phenotypic Optimization of Ureaâ€“Thiophene Carboxamides To Yield Potent, Well Tolerated, and Orally Active Protective Agents against Aminoglycoside-Induced Hearing Loss. Journal of Medicinal Chemistry, 2018, 61, 84-97.	6.4	58
5	The role of retrograde intraflagellar transport genes in aminoglycoside-induced hair cell death. Biology Open, 2018, 8, .	1.2	6
6	Noise-Induced Hypersensitization of the Acoustic Startle Response in Larval Zebrafish. JARO - Journal of the Association for Research in Otolaryngology, 2018, 19, 741-752.	1.8	17
7	Maintenance of neuronal size gradient in MNTB requires sound-evoked activity. Journal of Neurophysiology, 2017, 117, 756-766.	1.8	20
8	Proteomic analyses of nucleus laminaris identified candidate targets of the fragile X mental retardation protein. Journal of Comparative Neurology, 2017, 525, 3341-3359.	1.6	7
9	Cellular distribution of the fragile X mental retardation protein in the mouse brain. Journal of Comparative Neurology, 2017, 525, 818-849.	1.6	52
10	Mitochondrial calcium uptake underlies ROS generation during aminoglycoside-induced hair cell death. Journal of Clinical Investigation, 2016, 126, 3556-3566.	8.2	133
11	Glial Cell Contributions to Auditory Brainstem Development. Frontiers in Neural Circuits, 2016, 10, 83.	2.8	11
12	Cilia-Associated Genes Play Differing Roles in Aminoglycoside-Induced Hair Cell Death in Zebrafish. G3: Genes, Genomes, Genetics, 2016, 6, 2225-2235.	1.8	22
13	Innervation regulates synaptic ribbons in lateral line mechanosensory hair cells. Journal of Cell Science, 2016, 129, 2250-60.	2.0	26
14	Fluorescent aminoglycosides reveal intracellular trafficking routes in mechanosensory hair cells. Journal of Clinical Investigation, 2016, 127, 472-486.	8.2	67
15	Modifying Dendritic Structure After Function. , 2016, , 245-270.		0
16	Identification of Small Molecule Inhibitors of Cisplatin-Induced Hair Cell Death. Otology and Neurotology, 2015, 36, 519-525.	1.3	33
17	Using the zebrafish lateral line to uncover novel mechanisms of action and prevention in drug-induced hair cell death. Frontiers in Cellular Neuroscience, 2015, 9, 46.	3.7	30
18	Selective Deletion of Cochlear Hair Cells Causes Rapid Age-Dependent Changes in Spiral Ganglion and Cochlear Nucleus Neurons. Journal of Neuroscience, 2015, 35, 7878-7891.	3.6	69

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19	Fractalkine Signaling Regulates Macrophage Recruitment into the Cochlea and Promotes the Survival of Spiral Ganglion Neurons after Selective Hair Cell Lesion. Journal of Neuroscience, 2015, 35, 15050-15061.	3.6	124
20	Differential Conduction Velocity Regulation in Ipsilateral and Contralateral Collaterals Innervating Brainstem Coincidence Detector Neurons. Journal of Neuroscience, 2014, 34, 4914-4919.	3.6	56
21	The zebrafishmerovingianmutant reveals a role for pH regulation in hair cell toxicity and function. DMM Disease Models and Mechanisms, 2014, 7, 847-856.	2.4	47
22	Intense and specialized dendritic localization of the fragile X mental retardation protein in binaural brainstem neurons: A comparative study in the alligator, chicken, gerbil, and human. Journal of Comparative Neurology, 2014, 522, 2107-2128.	1.6	39
23	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 1599-1599.	2.5	14
24	ERâ€“Mitochondrial Calcium Flow Underlies Vulnerability of Mechanosensory Hair Cells to Damage. Journal of Neuroscience, 2014, 34, 9703-9719.	3.6	100
25	Bax, Bcl2, and p53 Differentially Regulate Neomycin- and Gentamicin-Induced Hair Cell Death in the Zebrafish Lateral Line. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 645-659.	1.8	99
26	Auditory sensitivity of larval zebrafish (Danio rerio) measured using a behavioral prepulse inhibition assay. Journal of Experimental Biology, 2013, 216, 3504-3513.	1.7	91
27	Transgenic quail as a model for research in the avian nervous system: A comparative study of the auditory brainstem. Journal of Comparative Neurology, 2013, 521, 5-23.	1.6	36
28	Transgenic quail as a model for research in the avian nervous system: A comparative study of the auditory brainstem. Journal of Comparative Neurology, 2013, 521, Spc1-Spc1.	1.6	0
29	Fish in a dish: drug discovery for hearing habilitation. Drug Discovery Today: Disease Models, 2013, 10, e23-e29.	1.2	42
30	Profiling drug-induced cell death pathways in the zebrafish lateral line. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 393-408.	4.9	73
31	Disruption of Intracellular Calcium Regulation Is Integral to Aminoglycoside-Induced Hair Cell Death. Journal of Neuroscience, 2013, 33, 7513-7525.	3.6	75
32	A brief history of hair cell regeneration research and speculations on the future. Hearing Research, 2013, 297, 42-51.	2.0	137
33	Hearing Loss, Protection, and Regeneration in the Larval Zebrafish Lateral Line. Springer Handbook of Auditory Research, 2013, , 313-347.	0.7	5
34	Functional Mechanotransduction Is Required for Cisplatin-Induced Hair Cell Death in the Zebrafish Lateral Line. Journal of Neuroscience, 2013, 33, 4405-4414.	3.6	80
35	Afferent regulation of chicken auditory brainstem neurons: Rapid changes in phosphorylation of elongation factor 2. Journal of Comparative Neurology, 2013, 521, 1165-1183.	1.6	10
36	Preâ€target axon sorting in the avian auditory brainstem. Journal of Comparative Neurology, 2013, 521, 2310-2320.	1.6	2

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37	Loss of Slc4a1b Chloride/Bicarbonate Exchanger Function Protects Mechanosensory Hair Cells from Aminoglycoside Damage in the Zebrafish Mutant persephone. PLoS Genetics, 2012, 8, e1002971.	3.5	21
38	In VivoReversible Regulation of Dendritic Patterning by Afferent Input in Bipolar Auditory Neurons. Journal of Neuroscience, 2012, 32, 11495-11504.	3.6	16
39	TrkB Downregulation Is Required for Dendrite Retraction in Developing Neurons of Chicken Nucleus Magnocellularis. Journal of Neuroscience, 2012, 32, 14000-14009.	3.6	17
40	Identification of Modulators of Hair Cell Regeneration in the Zebrafish Lateral Line. Journal of Neuroscience, 2012, 32, 3516-3528.	3.6	76
41	Hair Cell Replacement in Adult Mouse Utricles after Targeted Ablation of Hair Cells with Diphtheria Toxin. Journal of Neuroscience, 2012, 32, 15093-15105.	3.6	169
42	Screening for chemicals that affect hair cell death and survival in the zebrafish lateral line. Hearing Research, 2012, 288, 58-66.	2.0	57
43	Screen of FDA-approved drug library reveals compounds that protect hair cells from aminoglycosides and cisplatin. Hearing Research, 2012, 294, 153-165.	2.0	68
44	Tonotopic organization of the superior olivary nucleus in the chicken auditory brainstem. Journal of Comparative Neurology, 2012, 520, 1493-1508.	1.6	12
45	Rheotaxis in Larval Zebrafish Is Mediated by Lateral Line Mechanosensory Hair Cells. PLoS ONE, 2012, 7, e29727.	2.5	152
46	Preparation and Culture of Chicken Auditory Brainstem Slices. Journal of Visualized Experiments, 2011, , .	0.3	13
47	Topography and morphology of the inhibitory projection from superior olivary nucleus to nucleus laminaris in chickens (Gallus gallus). Journal of Comparative Neurology, 2011, 519, 358-375.	1.6	12
48	Inhibition in the balance: binaurally coupled inhibitory feedback in sound localization circuitry. Journal of Neurophysiology, 2011, 106, 4-14.	1.8	41
49	Three-dimensional confocal microscopy of the mammalian inner ear. Audiological Medicine, 2010, 8, 120-128.	0.4	9
50	Drug screening for hearing loss: Using the zebrafish lateral line to screen for drugs that prevent and cause hearing loss. Drug Discovery Today, 2010, 15, 265-271.	6.4	92
51	Mechanisms for Adjusting Interaural Time Differences to Achieve Binaural Coincidence Detection. Journal of Neuroscience, 2010, 30, 70-80.	3.6	133
52	Development of Glutamatergic Synaptic Transmission in Binaural Auditory Neurons. Journal of Neurophysiology, 2010, 104, 1774-1789.	1.8	40
53	Chemical Screening for Hair Cell Loss and Protection in the Zebrafish Lateral Line. Zebrafish, 2010, 7, 3-11.	1.1	110
54	Compartmentâ€specific regulation of plasma membrane calcium ATPase type 2 in the chick auditory brainstem. Journal of Comparative Neurology, 2009, 514, 624-640.	1.6	15

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55	Identification of FDA-Approved Drugs and Bioactives that Protect Hair Cells in the Zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overlock in Otolaryngology, 2009, 10, 191-203.	1.8	108
56	Response of mechanosensory hair cells of the zebrafish lateral line to aminoglycosides reveals distinct cell death pathways. Hearing Research, 2009, 253, 32-41.	2.0	108
57	Extracellular divalent cations modulate aminoglycoside-induced hair cell death in the zebrafish lateral line. Hearing Research, 2009, 253, 42-51.	2.0	90
58	Using the Zebrafish Lateral Line to Screen for Ototoxicity. JARO - Journal of the Association for Research in Otolaryngology, 2008, 9, 178-190.	1.8	174
59	CC2D2A Is Mutated in Joubert Syndrome and Interacts with the Ciliopathy-Associated Basal Body Protein CEP290. American Journal of Human Genetics, 2008, 83, 559-571.	6.2	202
60	Notch Signaling Regulates the Extent of Hair Cell Regeneration in the Zebrafish Lateral Line. Journal of Neuroscience, 2008, 28, 2261-2273.	3.6	227
61	Identification of Genetic and Chemical Modulators of Zebrafish Mechanosensory Hair Cell Death. PLoS Genetics, 2008, 4, e1000020.	3.5	193
62	Afferent Deprivation Elicits a Transcriptional Response Associated with Neuronal Survival after a Critical Period in the Mouse Cochlear Nucleus. Journal of Neuroscience, 2008, 28, 10990-11002.	3.6	25
63	Cisplatin-induced hair cell loss in zebrafish (Danio rerio) lateral line. Hearing Research, 2007, 233, 46-53.	2.0	139
64	Development of Spontaneous Miniature EPSCs in Mouse AVCN Neurons During a Critical Period of Afferent-Dependent Neuron Survival. Journal of Neurophysiology, 2007, 97, 635-646.	1.8	39
65	Ultrastructural analysis of aminoglycoside-induced hair cell death in the zebrafish lateral line reveals an early mitochondrial response. Journal of Comparative Neurology, 2007, 502, 522-543.	1.6	104
66	Lateral line hair cell maturation is a determinant of aminoglycoside susceptibility in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	125
67	Afferent regulation of neuron number in the cochlear nucleus: Cellular and molecular analyses of a critical period. Hearing Research, 2006, 216-217, 127-137.	2.0	59
68	JNK signaling in neomycin-induced vestibular hair cell death. Hearing Research, 2006, 221, 128-135.	2.0	62
69	Formation of the avian nucleus magnocellularis from the auditory anlage. Journal of Comparative Neurology, 2006, 498, 433-442.	1.6	20
70	The Level and Integrity of Synaptic Input Regulates Dendrite Structure. Journal of Neuroscience, 2006, 26, 1539-1550.	3.6	56
71	Mechanisms of hair cell death and protection. Current Opinion in Otolaryngology and Head and Neck Surgery, 2005, 13, 343-348.	1.8	203
72	Avian superior olivary nucleus provides divergent inhibitory input to parallel auditory pathways. Journal of Comparative Neurology, 2005, 481, 6-18.	1.6	100

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73	Expression of GABAB receptor in the avian auditory brainstem: Ontogeny, afferent deprivation, and ultrastructure. Journal of Comparative Neurology, 2005, 489, 11-22.	1.6	17
74	Gene expression differences over a critical period of afferent-dependent neuron survival in the mouse auditory brainstem. Journal of Comparative Neurology, 2005, 493, 460-474.	1.6	37
75	Activation of Metabotropic Glutamate Receptors Inhibits High-Voltage-Gated Calcium Channel Currents of Chicken Nucleus Magnocellularis Neurons. Journal of Neurophysiology, 2005, 93, 1418-1428.	1.8	25
76	GABAB Receptor Activation Modulates GABAA Receptor-Mediated Inhibition in Chicken Nucleus Magnocellularis Neurons. Journal of Neurophysiology, 2005, 93, 1429-1438.	1.8	26
77	Activity-dependent regulation of the potassium channel subunits Kv1.1 and Kv3.1. Journal of Comparative Neurology, 2004, 470, 93-106.	1.6	90
78	Electron microscopy of degenerative changes in the chick basilar papilla after gentamicin exposure. Journal of Comparative Neurology, 2004, 470, 164-180.	1.6	40
79	Tonotopic gradients of Eph family proteins in the chick nucleus laminaris during synaptogenesis. Journal of Neurobiology, 2004, 60, 28-39.	3.6	46
80	Overexpression of Bclâ€2 prevents neomycinâ€induced hair cell death and caspaseâ€9 activation in the adult mouse utricle in vitro. Journal of Neurobiology, 2004, 60, 89-100.	3.6	73
81	Assembling, Connecting, and Maintaining the Cochlear Nucleus. Springer Handbook of Auditory Research, 2004, , 8-48.	0.7	13
82	Hair Cell Death in the Avian Basilar Papilla: Characterization of the in vitro Model and Caspase Activation. JARO - Journal of the Association for Research in Otolaryngology, 2003, 4, 91-105.	1.8	78
83	Neomycin-Induced Hair Cell Death and Rapid Regeneration in the Lateral Line of Zebrafish (Danio rerio) Tj ETQq1 1 0.784314 rgBT /O	1.8	415
84	Ultrastructural analysis of [3H]thymidine-labeled cells in the rat utricular macula. Journal of Comparative Neurology, 2003, 463, 177-195.	1.6	42
85	Timing and topography of nucleus magnocellularis innervation by the cochlear ganglion. Journal of Comparative Neurology, 2003, 466, 577-591.	1.6	31
86	Developmental differences in susceptibility to neomycin-induced hair cell death in the lateral line neuromasts of zebrafish (Danio rerio). Hearing Research, 2003, 186, 47-56.	2.0	100
87	Auditory System Development: Primary Auditory Neurons and Their Targets. Annual Review of Neuroscience, 2002, 25, 51-101.	10.7	538
88	Caspase Activation in Hair Cells of the Mouse Utricle Exposed to Neomycin. Journal of Neuroscience, 2002, 22, 8532-8540.	3.6	151
89	Zebrafish Neuromast Hair Cell Nuclei are Labeled in Vivo by Uptake of Monomeric Cyanine Dyes. Microscopy and Microanalysis, 2002, 8, 1058-1059.	0.4	0
90	Choosing axonal real estate: Location, location, location. Journal of Comparative Neurology, 2002, 448, 1-5.	1.6	24

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91	Expression of EphB receptors and EphrinB ligands in the developing chick auditory brainstem. Journal of Comparative Neurology, 2002, 452, 51-64.	1.6	44
92	bcl-2 Overexpression Eliminates Deprivation-Induced Cell Death of Brainstem Auditory Neurons. Journal of Neuroscience, 2002, 22, 4670-4674.	3.6	58
93	FGFR3 Expression during Development and Regeneration of the Chick Inner Ear Sensory Epithelia. Developmental Biology, 2001, 238, 247-259.	2.0	57
94	Tonotopic map of potassium currents in chick auditory hair cells using an intact basilar papilla. Hearing Research, 2001, 156, 81-94.	2.0	23
95	Temporal, spatial, and morphologic features of hair cell regeneration in the avian basilar papilla. Journal of Comparative Neurology, 2000, 417, 1-16.	1.6	76
96	Tyrosine phosphatase SHP-1 immunoreactivity increases in a subset of astrocytes following deafferentation of the chicken auditory brainstem. Journal of Comparative Neurology, 2000, 421, 199-214.	1.6	15
97	Developmental regulation of ephA4 expression in the chick auditory brainstem. Journal of Comparative Neurology, 2000, 426, 270-278.	1.6	44
98	Patterns of cell death in mouse anteroventral cochlear nucleus neurons after unilateral cochlea removal. Journal of Comparative Neurology, 2000, 426, 561-571.	1.6	141
99	Characterization of Damage and Regeneration in Cultured Avian Utricles. JARO - Journal of the Association for Research in Otolaryngology, 2000, 1, 46-63.	1.8	43
100	GABAergic Inhibition in Nucleus Magnocellularis: Implications for Phase Locking in the Avian Auditory Brainstem. Journal of Neuroscience, 2000, 20, 2954-2963.	3.6	101
101	Embryonic Origins of Auditory Brain-Stem Nuclei in the Chick Hindbrain. Developmental Biology, 2000, 224, 138-151.	2.0	78
102	Patterns of cell death in mouse anteroventral cochlear nucleus neurons after unilateral cochlea removal. , 2000, 426, 561.		1
103	Glutamate Regulates IP₃-Type and CICR Stores in the Avian Cochlear Nucleus. Journal of Neurophysiology, 1999, 81, 1587-1596.	1.8	32
104	Life and Death in Otolaryngology. JAMA Otolaryngology, 1999, 125, 729.	1.2	9
105	The Superior Olivary Nucleus and Its Influence on Nucleus Laminaris: A Source of Inhibitory Feedback for Coincidence Detection in the Avian Auditory Brainstem. Journal of Neuroscience, 1999, 19, 2313-2325.	3.6	134
106	Dynamic Studies of Ototoxicity in Mature Avian Auditory Epithelium. Annals of the New York Academy of Sciences, 1999, 884, 389-409.	3.8	59
107	Progenitor cell cycling during hair cell regeneration in the vestibular and auditory epithelia of the chick. Journal of Neurocytology, 1999, 28, 863-876.	1.5	56
108	Class III ?-tubulin expression in sensory and nonsensory regions of the developing avian inner ear. Journal of Comparative Neurology, 1999, 406, 183-198.	1.6	50

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109	Ontogenetic expression of trk neurotrophin receptors in the chick auditory system. Journal of Comparative Neurology, 1999, 413, 271-288.	1.6	34
110	Glutamatergic and GABAergic agonists increase [Ca2+]i in avian cochlear nucleus neurons. , 1998, 37, 321-337.		17
111	Activity-Dependent Regulation of [Ca²⁺]_iin Avian Cochlear Nucleus Neurons: Roles of Protein Kinases A and C and Relation to Cell Death. Journal of Neurophysiology, 1998, 79, 2288-2302.	1.8	82
112	Recent insights into regeneration of auditory and vestibular hair cells. Current Opinion in Neurology, 1998, 11, 17-24.	3.6	87
113	Reactive oxygen species in chick hair cells after gentamicin exposure in vitro. Hearing Research, 1997, 104, 1-14.	2.0	175
114	Mitochondrial Regulation of Calcium in the Avian Cochlear Nucleus. Journal of Neurophysiology, 1997, 78, 1928-1934.	1.8	13
115	Neurofilament proteins in avian auditory hair cells. Journal of Comparative Neurology, 1997, 379, 603-616.	1.6	8
116	Induction of cell proliferation in avian inner ear sensory epithelia by insulin-like growth factor-I and insulin. , 1997, 380, 262-274.		65
117	Development of Cat-301 immunoreactivity in auditory brainstem nuclei of the gerbil. , 1997, 380, 319-334.		32
118	Rapid regulation of cytoskeletal proteins and their mRNAs following afferent deprivation in the avian cochlear nucleus. Journal of Comparative Neurology, 1997, 389, 469-483.	1.6	22
119	Hair Cell Generation in Vestibular Sensory Receptor Epithelia. Annals of the New York Academy of Sciences, 1996, 781, 34-46.	3.8	14
120	Hair Cell Differentiation in Chick Cochlear Epithelium after Aminoglycoside Toxicity:In VivoandIn VitroObservations. Journal of Neuroscience, 1996, 16, 6157-6174.	3.6	94
121	Influence of mitochondrial protein synthesis inhibition on deafferentation?induced ultrastructural changes in nucleus magnocellularis of developing chicks. , 1996, 371, 448-460.		20
122	Stimulating hair cell regeneration: On a wing and a prayer. Nature Medicine, 1996, 2, 1082-1083.	30.7	8
123	Afferent influences on brainstem auditory nuclei of the chicken: Regulation of transcriptional activity followiqg cochlea removal. Journal of Comparative Neurology, 1995, 359, 412-423.	1.6	23
124	Activity-dependent regulation of a ribosomal RNA epitope in the chick cochlear nucleus. Brain Research, 1995, 672, 196-204.	2.2	34
125	A depolarizing inhibitory response to GABA in brainstem auditory neurons of the chick. Brain Research, 1995, 677, 117-126.	2.2	90
126	Second Place â€" Resident Basic Science Award 1995: Mitochondrial Role in Hair Cell Survival after Injury. Otolaryngology - Head and Neck Surgery, 1995, 113, 530-540.	1.9	35

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127	Mammalian Vestibular Hair Cell Regeneration. Science, 1995, 267, 701-707.	12.6	205
128	Protein Masking of a Ribosomal RNA Epitope Is an Early Event in Afferent Deprivation-Induced Neuronal Death. Molecular and Cellular Neurosciences, 1995, 6, 293-310.	2.2	28
129	Astrocyte proliferation in the chick auditory brainstem following cochlea removal. Journal of Comparative Neurology, 1994, 346, 276-288.	1.6	35
130	Effect of altered neuronal activity on cell size in the medial nucleus of the trapezoid body and ventral cochlear nucleus of the gerbil. Journal of Comparative Neurology, 1994, 348, 111-120.	1.6	83
131	Glutamate-stimulated phosphatidylinositol metabolism in the avian cochlear nucleus. Neuroscience Letters, 1994, 168, 163-166.	2.1	24
132	Morphological correlates of functional recovery in the chicken inner ear after gentamycin treatment. Journal of Comparative Neurology, 1993, 331, 75-96.	1.6	94
133	Hair cell regeneration after streptomycin toxicity in the avian vestibular epithelium. Journal of Comparative Neurology, 1993, 331, 97-110.	1.6	147
134	Altered malate dehydrogenase activity in nucleus magnocellularis of the chicken following cochlea removal. Hearing Research, 1993, 70, 151-159.	2.0	30
135	Hair cell regeneration in the European starling (Sturnus vulgaris): Recovery of pure-tone detection thresholds. Hearing Research, 1993, 71, 125-136.	2.0	89
136	Hair-cell regeneration in organ cultures of the postnatal chicken inner ear. Hearing Research, 1993, 70, 85-108.	2.0	69
137	Vulnerability and adaptation of distortion product otoacoustic emissions to endocochlear potential variation. Journal of the Acoustical Society of America, 1993, 94, 2108-2122.	1.1	128
138	Ultrastructure of hyaline, border, and vacuole cells in chick inner ear. Journal of Comparative Neurology, 1992, 318, 64-82.	1.6	50
139	Rapid growth of astrocytic processes in N. Magnocellularis following cochlea removal. Journal of Comparative Neurology, 1992, 318, 415-425.	1.6	43
140	Rapid changes in protein synthesis and cell size in the cochlear nucleus following eighth nerve activity blockade or cochlea ablation. Journal of Comparative Neurology, 1992, 320, 501-508.	1.6	126
141	Afferent influences on brainstem auditory nuclei of the chick: Nucleus magnocellularis neuronal activity following cochlea removal. Brain Research, 1991, 557, 37-47.	2.2	83
142	Cochlear nucleus cell size is regulated by auditory nerve electrical activity. Otolaryngology - Head and Neck Surgery, 1991, 104, 6-13.	1.9	39
143	Anatomical Correlates of Functional Recovery in the Avian Inner Ear Following Aminoglycoside Ototoxicity. Laryngoscope, 1991, 101, 1139???1149.	2.0	59
144	Lack of correspondence between mRNA expression for a putative cell death molecule (SGP-2) and neuronal cell death in the central nervous system. Journal of Neurobiology, 1991, 22, 590-604.	3.6	101

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145	Hair Cell Regeneration in the Avian Inner Ear. Novartis Foundation Symposium, 1991, 160, 77-102.	1.1	9
146	Physiologic Status of Regenerated Hair Cells in the Avian Inner Ear following Aminoglycoside Ototoxicity. Otolaryngology - Head and Neck Surgery, 1990, 103, 443-450.	1.9	142
147	Extracellular potassium influences DNA and protein syntheses and glial fibrillary acidic protein expression in cultured glial cells. Glia, 1990, 3, 368-374.	4.9	55
148	Effects of cochlea removal on GABAergic terminals in nucleus magnocellularis of the chicken. Journal of Comparative Neurology, 1990, 301, 643-654.	1.6	10
149	Afferent regulation of neurons in the brain stem auditory system. Journal of Neurobiology, 1990, 21, 169-196.	3.6	173
150	Ultrastructural observations on regenerating hair cells in the chick basilar papilla. Hearing Research, 1990, 48, 161-182.	2.0	100
151	Evidence for an alteration of the tonotopic map in the gerbil cochlea during development. Journal of Comparative Neurology, 1989, 279, 436-444.	1.6	98
152	Rapid changes in ultrastructure during deafferentation-induced dendritic atrophy. Journal of Comparative Neurology, 1989, 281, 234-258.	1.6	70
153	Changes in neuronal cell bodies in N. laminaris during deafferentation-induced dendritic atrophy. Journal of Comparative Neurology, 1989, 281, 259-268.	1.6	30
154	Effects of unilateral cochlea removal on anteroventral cochlear nucleus neurons in developing gerbils. Journal of Comparative Neurology, 1989, 283, 465-473.	1.6	217
155	Rapid changes in cochlear nucleus cell size following blockade of auditory nerve electrical activity in gerbils. Journal of Comparative Neurology, 1989, 283, 474-480.	1.6	136
156	Development of GABA immunoreactivity in brainstem auditory nuclei of the chick: Ontogeny of gradients in terminal staining. Journal of Comparative Neurology, 1989, 284, 504-518.	1.6	87
157	GABAergic neurons in brainstem auditory nuclei of the chick: Distribution, morphology, and connectivity. Journal of Comparative Neurology, 1989, 287, 470-483.	1.6	53
158	Glycine-immunoreactivity in the auditory brain stem of the chick. Hearing Research, 1989, 40, 167-172.	2.0	29
159	Possible precursors of regenerated hair cells in the avian cochlea following acoustic trauma. Hearing Research, 1989, 42, 175-194.	2.0	141
160	Cochlear ablation in deafness mutant mice: 2-deoxyglucose analysis suggests no spontaneous activity of cochlear origin. Hearing Research, 1989, 43, 39-46.	2.0	39
161	Chronic Perilymphatic Fistula: Experimental Model in the Guinea Pig. Otolaryngology - Head and Neck Surgery, 1988, 99, 380-388.	1.9	11
162	Changes in Spontaneous Activity and Cns Morphology Associated with Conductive and Sensorineural Hearing Loss in Chickens. Annals of Otology, Rhinology and Laryngology, 1987, 96, 343-350.	1.1	55

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163	Correcting errors in estimating neuron area caused by the position of the nucleolus. Journal of Comparative Neurology, 1987, 255, 146-152.	1.6	15
164	Embryogenesis of arborization pattern and topography of individual axons in N. Laminaris of the chicken brain stem. Journal of Comparative Neurology, 1986, 254, 425-459.	1.6	125
165	Strategies and Problems for Future Studies of Auditory Development. Acta Oto-Laryngologica, 1985, 99, 114-128.	0.9	23
166	Afferent influences on brain stem auditory nuclei of the chicken: Cessation of amino acid incorporation as an antecedent to age-dependent transneuronal degeneration. Journal of Comparative Neurology, 1985, 231, 385-395.	1.6	111
167	Afferent influences on brain stem auditory nuclei of the chicken: Neuron number and size following cochlea removal. Journal of Comparative Neurology, 1985, 231, 435-445.	1.6	227
168	Afferent influences on brain stem auditory nuclei of the chicken: Changes in succinate dehydrogenase activity following cochlea removal. Journal of Comparative Neurology, 1985, 231, 446-456.	1.6	92
169	Ontogeny of tonotopic organization of brain stem auditory nuclei in the chicken: Implications for development of the place principle. Journal of Comparative Neurology, 1985, 237, 273-289.	1.6	91
170	Afferent influences on brain stem auditory nuclei of the chicken: Effects of conductive and sensorineural hearing loss on N. Magnocellularis. Journal of Comparative Neurology, 1985, 238, 371-381.	1.6	82
171	Development of absolute thresholds in chickens. Journal of the Acoustical Society of America, 1985, 77, 1162-1172.	1.1	73
172	Differential susceptibility of avian hair cells to acoustic trauma. Hearing Research, 1985, 19, 73-84.	2.0	24
173	Freeze-fracture of neurons in nucleus magnocellularis of the chick. Hearing Research, 1985, 17, 67-78.	2.0	6
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