David K Ryugo

List of Publications by Year
in descending order

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130 papers	8,642 citations	34105 52 h-index	51608 86 g-index
132 all docs	132 docs citations	132 times ranked	3820 citing authors

#	Article	IF	Citations
1	Idiopathic sudden sensorineural hearing loss: A critique on corticosteroid therapy. Hearing Research, 2022, 422, 108565.	2.0	8
2	Projections from the ventral nucleus of the lateral lemniscus to the cochlea in the mouse. Journal of Comparative Neurology, 2021, 529, 2995-3012.	1.6	5
3	Diabetes mellitus and hearing loss: A review. Ageing Research Reviews, 2021, 71, 101423.	10.9	46
4	Immunocytochemical Localization of Olfactory-signaling Molecules in Human and Rat Spermatozoa. Journal of Histochemistry and Cytochemistry, 2020, 68, 491-513.	2.5	5
5	Regulation of auditory plasticity during critical periods and following hearing loss. Hearing Research, 2020, 397, 107976.	2.0	27
6	Expression and Localization of Kv1.1 and Kv3.1b Potassium Channels in the Cochlear Nucleus and Inferior Colliculus after Long-Term Auditory Deafferentation. Brain Sciences, 2020, 10, 35.	2.3	6
7	Hidden hearing loss and endbulbs of Held: Evidence for central pathology before detection of ABR threshold increases. Hearing Research, 2018, 364, 104-117.	2.0	26
8	Cytosolic Recognition of RNA Drives the Immune Response to Heterologous Erythrocytes. Cell Reports, 2017, 21, 1624-1638.	6.4	25
9	Descending projections from the inferior colliculus to the dorsal cochlear nucleus are excitatory. Journal of Comparative Neurology, 2017, 525, 773-793.	1.6	12
10	Descending projections from the inferior colliculus to medial olivocochlear efferents: Mice with normal hearing, early onset hearing loss, and congenital deafness. Hearing Research, 2017, 343, 34-49.	2.0	30
11	The effect of progressive hearing loss on the morphology of endbulbs of Held and bushy cells. Hearing Research, 2017, 343, 14-33.	2.0	15
12	Giant Synaptic Terminals: Endbulbs and Calyces of the Auditory System â˜†. , 2017, , .		0
13	Central Projections of Spiral Ganglion Neurons. Springer Handbook of Auditory Research, 2016, , 157-190.	0.7	9
14	Auditory nerve synapses persist in ventral cochlear nucleus long after loss of acoustic input in mice with early-onset progressive hearing loss. Brain Research, 2015, 1605, 22-30.	2.2	20
15	Auditory neuroplasticity, hearing loss and cochlear implants. Cell and Tissue Research, 2015, 361, 251-269.	2.9	19
16	Tonotopic organization of vertical cells in the dorsal cochlear nucleus of the CBA/J mouse. Journal of Comparative Neurology, 2014, 522, 937-949.	1.6	22
17	Endogenous Retrovirus Insertion in theKITOncogene DeterminesWhiteandWhite spottingin Domestic Cats. G3: Genes, Genomes, Genetics, 2014, 4, 1881-1891.	1.8	66
18	From Degenerative Debris to Neuronal Tracing: An Anterograde View of Auditory Circuits. Springer Handbook of Auditory Research, 2014, , 513-531.	0.7	0

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19	3D model of frequency representation in the cochlear nucleus of the CBA/J mouse. Journal of Comparative Neurology, 2013, 521, 1510-1532.	1.6	56
20	Synaptic Organization and Plasticity in the Auditory System of the Deaf White Cat. Springer Handbook of Auditory Research, 2013, , 83-128.	0.7	2
21	Morphological Characterization of Bushy Cells and Their Inputs in the Laboratory Mouse (Mus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.5	46
22	Preparation of an Awake Mouse for Recording Neural Responses and Injecting Tracers. Journal of Visualized Experiments, 2012, , .	0.3	18
23	Feline Deafness. Veterinary Clinics of North America - Small Animal Practice, 2012, 42, 1179-1207.	1.5	28
24	Efferent synapses return to inner hair cells in the aging cochlea. Neurobiology of Aging, 2012, 33, 2892-2902.	3.1	62
25	Auditory System. , 2012, , 607-645.		14
26	Cochlear Implantation, Synaptic Plasticity and Auditory Function. , 2012, , .		0
27	Synaptic plasticity in the medial superior olive of hearing, deaf, and cochlearâ€implanted cats. Journal of Comparative Neurology, 2012, 520, 2202-2217.	1.6	37
28	Auditory and Vestibular Efferents. Springer Handbook of Auditory Research, 2011, , .	0.7	25
29	Synaptic morphology and the influence of auditory experience. Hearing Research, 2011, 279, 118-130.	2.0	42
30	The spiral ganglion: Connecting the peripheral and central auditory systems. Hearing Research, 2011, 278, 2-20.	2.0	167
31	Age-related neuronal loss in the cochlea is not delayed by synaptic modulation. Neurobiology of Aging, 2011, 32, 2321.e13-2321.e23.	3.1	16
32	Descending Connections of Auditory Cortex to the Midbrain and Brain Stem. , 2011, , 189-208.		55
33	Introduction to Efferent Systems. Springer Handbook of Auditory Research, 2011, , 1-15.	0.7	4
34	The Effect of Cochlear-Implant-Mediated Electrical Stimulation on Spiral Ganglion Cells in Congenitally Deaf White Cats. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 587-603.	1.8	27
35	Synaptic plasticity after chemical deafening and electrical stimulation of the auditory nerve in cats. Journal of Comparative Neurology, 2010, 518, 1046-1063.	1.6	38
36	Bilateral effects of unilateral cochlear implantation in congenitally deaf cats. Journal of Comparative Neurology, 2010, 518, 2382-2404.	1.6	41

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37	Postnatal development of the endbulb of Held in congenitally deaf cats. Frontiers in Neuroanatomy, 2010, 4, 19.	1.7	30
38	Neural Coding of Interaural Time Differences with Bilateral Cochlear Implants: Effects of Congenital Deafness. Journal of Neuroscience, 2010, 30, 14068-14079.	3.6	79
39	Human neural stem cell grafts in the spinal cord of SOD1 transgenic rats: Differentiation and structural integration into the segmental motor circuitry. Journal of Comparative Neurology, 2009, 514, 297-309.	1.6	136
40	Long-Term, Stable Differentiation of Human Embryonic Stem Cell-Derived Neural Precursors Grafted into the Adult Mammalian Neostriatum. Stem Cells, 2009, 27, 2414-2426.	3.2	52
41	Projections of low spontaneous rate, high threshold auditory nerve fibers to the small cell cap of the cochlear nucleus in cats. Neuroscience, 2008, 154, 114-126.	2.3	39
42	Revealing the molecular layer of the primate dorsal cochlear nucleus. Neuroscience, 2008, 154, 99-113.	2.3	45
43	Four Independent Mutations in the Feline Fibroblast Growth Factor 5 Gene Determine the Long-Haired Phenotype in Domestic Cats. Journal of Heredity, 2007, 98, 555-566.	2.4	71
44	Projections of the lateral reticular nucleus to the cochlear nucleus in rats. Journal of Comparative Neurology, 2007, 504, 583-598.	1.6	25
45	Hearing molecules: contributions from genetic deafness. Cellular and Molecular Life Sciences, 2007, 64, 566-580.	5.4	28
46	Postnatal development of a large auditory nerve terminal: The endbulb of Held in cats. Hearing Research, 2006, 216-217, 100-115.	2.0	38
47	Synaptic alterations at inner hair cells precede spiral ganglion cell loss in aging C57BL/6J mice. Hearing Research, 2006, 221, 104-118.	2.0	136
48	A modified Golgi staining protocol for use in the human brain stem and cerebellum. Journal of Neuroscience Methods, 2006, 150, 90-95.	2.5	39
49	Efficient quantification of afferent cochlear ultrastructure using design-based stereology. Journal of Neuroscience Methods, 2006, 150, 150-158.	2.5	12
50	Structural and functional classes of multipolar cells in the ventral cochlear nucleus. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 331-344.	2.0	46
51	Projections from auditory cortex to cochlear nucleus: A comparative analysis of rat and mouse. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 397-408.	2.0	40
52	Projections of the second cervical dorsal root ganglion to the cochlear nucleus in rats. Journal of Comparative Neurology, 2006, 496, 335-348.	1.6	68
53	Projections from the spinal trigeminal nucleus to the cochlear nucleus in the rat. Journal of Comparative Neurology, 2005, 484, 191-205.	1.6	86
54	Restoration of Auditory Nerve Synapses in Cats by Cochlear Implants. Science, 2005, 310, 1490-1492.	12.6	129

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55	PHR1, a PH Domain-Containing Protein Expressed in Primary Sensory Neurons. Molecular and Cellular Biology, 2004, 24, 9137-9151.	2.3	16
56	Two types of afferent terminals innervate cochlear inner hair cells in C57BL/6J mice. Brain Research, 2004, 1016, 182-194.	2.2	37
57	An Animal Model for Cochlear Implants. JAMA Otolaryngology, 2004, 130, 499.	1.2	26
58	Effects of congenital deafness in the cochlear nuclei of Shaker-2 mice: An ultrastructural analysis of synapse morphology in the endbulbs of Held. Journal of Neurocytology, 2003, 32, 229-243.	1.5	53
59	The source of corticocollicular and corticobulbar projections in area Te1 of the rat. Experimental Brain Research, 2003, 153, 461-466.	1.5	76
60	Multimodal inputs to the granule cell domain of the cochlear nucleus. Experimental Brain Research, 2003, 153, 477-485.	1.5	77
61	Discharge properties of identified cochlear nucleus neurons and auditory nerve fibers in response to repetitive electrical stimulation of the auditory nerve. Experimental Brain Research, 2003, 153, 452-460.	1.5	33
62	Ultrastructural examination of the somatic innervation of ventrotubercular cells in the rat. Journal of Comparative Neurology, 2003, 459, 77-89.	1.6	6
63	Axonal pathways to the lateral superior olive labeled with biotinylated dextran amine injections in the dorsal cochlear nucleus of rats. Journal of Comparative Neurology, 2003, 461, 452-465.	1.6	55
64	Separate forms of pathology in the cochlea of congenitally deaf white cats. Hearing Research, 2003, 181, 73-84.	2.0	30
65	The functional age of hearing loss in a mouse model of presbycusis. II. Neuroanatomical correlates. Hearing Research, 2003, 183, 29-36.	2.0	28
66	Primary innervation of the avian and mammalian cochlear nucleus. Brain Research Bulletin, 2003, 60, 435-456.	3.0	121
67	Commissural glycinergic inhibition of bushy and stellate cells in the anteroventral cochlear nucleus. NeuroReport, 2002, 13, 555-558.	1.2	35
68	The cellular origin of corticofugal projections to the superior olivary complex in the rat. Brain Research, 2002, 925, 28-41.	2.2	56
69	The Effects of Congenital Deafness on Auditory Nerve Synapses: Type I and Type II Multipolar Cells in the Anteroventral Cochlear Nucleus of Cats. JARO - Journal of the Association for Research in Otolaryngology, 2002, 3, 403-417.	1.8	25
70	Hearing loss caused by progressive degeneration of cochlear hair cells in mice deficient for theBarhl1homeobox gene. Development (Cambridge), 2002, 129, 3523-3532.	2.5	86
71	Progressive Cerebellar, Auditory, and Esophageal Dysfunction Caused by Targeted Disruption of thefrizzled-4 Gene. Journal of Neuroscience, 2001, 21, 4761-4771.	3.6	135
72	Projections of the pontine nuclei to the cochlear nucleus in rats. Journal of Comparative Neurology, 2001, 436, 290-303.	1.6	54

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73	Development of Primary Axosomatic Endings in the Anteroventral Cochlear Nucleus of Mice. JARO - Journal of the Association for Research in Otolaryngology, 2000, 1, 103-119.	1.8	85
74	The effects of congenital deafness on auditory nerve synapses and globular bushy cells in cats. Hearing Research, 2000, 147, 160-174.	2.0	66
75	Glycine immunoreactivity of multipolar neurons in the ventral cochlear nucleus which project to the dorsal cochlear nucleus. Journal of Comparative Neurology, 1999, 408, 515-531.	1.6	100
76	Inhibitory synaptic interactions between cochlear nuclei. NeuroReport, 1999, 10, 1913-1917.	1.2	24
77	Glycine immunoreactivity of multipolar neurons in the ventral cochlear nucleus which project to the dorsal cochlear nucleus. Journal of Comparative Neurology, 1999, 408, 515-531.	1.6	4
78	Single unit recordings in the auditory nerve of congenitally deaf white cats: Morphological correlates in the cochlea and cochlear nucleus. Journal of Comparative Neurology, 1998, 397, 532-548.	1.6	97
79	Ultrastructural changes in primary endings of deaf white catsâ˜†, â˜†â˜†, â˜…Second Placeâ€”Resident Basic Science Award 1996. Otolaryngology - Head and Neck Surgery, 1997, 116, 286-293.	1.9	5
80	Ultrastructural analysis of primary endings in deaf white cats: Morphologic alterations in endbulbs of held. , 1997, 385, 230-244.		137
81	Projections from the ventral cochlear nucleus to the dorsal cochlear nucleus in rats. Journal of Comparative Neurology, 1997, 385, 245-264.	1.6	132
82	Projections from the ventral cochlear nucleus to the dorsal cochlear nucleus in rats. Journal of Comparative Neurology, 1997, 385, 245-264.	1.6	7
83	The auditory nerve in congenitally deaf white cats: Correlations between anatomy and electrophysiology. Journal of the Acoustical Society of America, 1997, 101, 3191-3191.	1.1	0
84	Peripheral Course of Genioglossal Motor Axons Within the Hypoglossal Nerve of the Rat. Laryngoscope, 1996, 106, 1274-1279.	2.0	5
85	Immunocytochemical localization of glycine in a subset of cartwheel cells of the dorsal cochlear nucleus in rats. Hearing Research, 1996, 96, 157-166.	2.0	25
86	63: Ultrastructure Analysis of Primary Endings in Deaf White Cats: Morphologic Alterations in Endbulbs of Held. Otolaryngology - Head and Neck Surgery, 1996, 115, P98-P98.	1.9	0
87	Pyramidal cells in primary auditory cortex project to cochlear nucleus in rat. Brain Research, 1996, 706, 97-102.	2.2	113
88	Morphological changes in the cochlear nucleus of congenitally deaf white cats. Brain Research, 1996, 736, 315-328.	2.2	85
89	Immunocytochemical localization of the mGluR1? metabotropic glutamate receptor in the dorsal cochlear nucleus. , 1996, 364, 729-745.		58
90	Activity-related features of synapse morphology: A study of endbulbs of Held. , 1996, 365, 141-158.		81

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91	Mossy fiber projections from the cuneate nucleus to the cochlear nucleus in the rat. Journal of Comparative Neurology, 1996, 365, 159-172.	1.6	176
92	Ultrastructural study of the granule cell domain of the cochlear nucleus in rats: Mossy fiber endings and their targets. , 1996, 369, 345-360.		84
93	Projections from auditory cortex to the cochlear nucleus in rats: Synapses on granule cell dendrites. , 1996, 371, 311-324.		127
94	Neuronal organization of the cochlear nuclei in alligator lizards: A light and electron microscopic investigation. Journal of Comparative Neurology, 1995, 357, 217-241.	1.6	15
95	Inositol 1,4,5-trisphosphate receptors: Immunocytochemical localization in the dorsal cochlear nucleus. Journal of Comparative Neurology, 1995, 358, 102-118.	1.6	42
96	Widespread expression of Huntington's disease gene (IT15) protein product. Neuron, 1995, 14, 1065-1074.	8.1	485
97	Ultrastructural Features of Endbulbs of Held in Deaf White Cats: Changes in Structure Related to Age of Deafness. Otolaryngology - Head and Neck Surgery, 1995, 113, P100-P100.	1.9	1
98	Physiology and morphology of complex spiking neurons in the guinea pig dorsal cochlear nucleus. Journal of Comparative Neurology, 1994, 348, 261-276.	1.6	113
99	Central trajectories of type II (thin) fibers of the auditory nerve in cats. Hearing Research, 1994, 79, 74-82.	2.0	20
100	The projections of intracellularly labeled auditory nerve fibers to the dorsal cochlear nucleus of cats. Journal of Comparative Neurology, 1993, 329, 20-35.	1.6	75
101	Frequency organization of the dorsal cochlear nucleus in cats. Journal of Comparative Neurology, 1993, 329, 36-52.	1.6	67
102	Neuronal inositol 1,4,5-trisphosphate receptor localized to the plasma membrane of olfactory cilia. Neuroscience, 1993, 57, 339-352.	2.3	75
103	Ultrastructural Analysis of Synaptic Endings of Auditory Nerve Fibers in Cats: Correlations with Spontaneous Discharge Rate. , 1993, , 65-74.		7
104	The Auditory Nerve: Peripheral Innervation, Cell Body Morphology, and Central Projections. Springer Handbook of Auditory Research, 1992, , 23-65.	0.7	70
105	Synaptic connections of the auditory nerve in cats: Relationship between endbulbs of held and spherical bushy cells. Journal of Comparative Neurology, 1991, 305, 35-48.	1.6	156
106	Neurofilament antibodies and spiral ganglion neurons of the mammalian cochlea. Journal of Comparative Neurology, 1991, 306, 393-408.	1.6	91
107	Unmyelinated axons of the auditory nerve in cats. Journal of Comparative Neurology, 1991, 308, 209-223.	1.6	40
108	Central projections of cochlear nerve fibers in the alligator lizard. Journal of Comparative Neurology, 1990, 295, 530-547.	1.6	50

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109	Endbulbs of held and spherical bushy cells in cats: Morphological correlates with physiological properties. Journal of Comparative Neurology, 1989, 280, 553-562.	1.6	113
110	Central projections of intracellularly labeled auditory nerve fibers in cats: Morphometric correlations with physiological properties. Journal of Comparative Neurology, 1988, 271, 130-142.	1.6	79
111	Central trajectories of type II spiral ganglion neurons. Journal of Comparative Neurology, 1988, 278, 581-590.	1.6	150
112	Brainstem branches from olivocochlear axons in cats and rodents. Journal of Comparative Neurology, 1988, 278, 591-603.	1.6	167
113	Hair cell innervation by spiral ganglion neurons in the mouse. Journal of Comparative Neurology, 1987, 255, 560-570.	1.6	148
114	A monoclonal antibody labels type II neurons of the spiral ganglion. Brain Research, 1986, 383, 327-332.	2.2	53
115	The central prod ections of intracellularly labeled auditory nerve fibers in cats: An analysis of terminal morphology. Journal of Comparative Neurology, 1986, 249, 261-278.	1.6	138
116	The dorsal cochlear nucleus of the mouse: A light microscopic analysis of neurons that project to the inferior colliculus. Journal of Comparative Neurology, 1985, 242, 381-396.	1.6	104
117	Progress in Low-LET Heavy Particle Therapy: Intracranial and Paracranial Tumors and Uveal Melanomas. Radiation Research, 1985, 104, S219.	1.5	47
118	Effects of sensory deprivation on the developing mouse olfactory system: a light and electron microscopic, morphometric analysis. Journal of Neuroscience, 1984, 4, 638-653.	3.6	153
119	Intracellular marking of physiologically characterized cells in the ventral cochlear nucleus of the cat. Journal of Comparative Neurology, 1984, 225, 167-186.	1.6	190
120	The central projections of intracellularly labeled auditory nerve fibers in cats. Journal of Comparative Neurology, 1984, 229, 432-450.	1.6	222
121	Hair-Cell Innervation by Spiral Ganglion Cells in Adult Cats. Science, 1982, 217, 175-177.	12.6	280
122	Morphology of primary axosomatic endings in the anteroventral cochlear nucleus of the cat: A study of the endbulbs of Held. Journal of Comparative Neurology, 1982, 210, 239-257.	1.6	190
123	Differential afferent projections to the inferior colliculus from the cochlear nucleus in the albino mouse. Brain Research, 1981, 210, 342-349.	2.2	126
124	Differential plasticity of morphologically distinct neuron populations in the medial geniculate body of the cat during classical conditioning. Behavioral Biology, 1978, 22, 275-301.	2.2	146
125	Anomalous organization of thalamocortical projections consequent to vibrissae removal in the newborn rat and mouse. Brain Research, 1976, 104, 309-315.	2.2	159
126	Corticofugal modulation of the medial geniculate body. Experimental Neurology, 1976, 51, 377-391.	4.1	99

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127	Changes in pyramidal cell density consequent to vibrissae removal in the newborn rat. Brain Research, 1975, 96, 82-87.	2.2	37
128	Differential effect of enucleation on two populations of layer V pyramidal cells. Brain Research, 1975, 88, 554-559.	2.2	54
129	Increased spine density in auditory cortex following visual or somatic deafferentation. Brain Research, 1975, 90, 143-146.	2.2	70
130	Differential telencephalic projections of the medial and ventral divisions of the medial geniculate body of the rat. Brain Research, 1974, 82, 173-177.	2.2	130