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List of Publications by Year
in descending order

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59 papers	5,733 citations	147801 31 h-index	161849 54 g-index
68 all docs	68 docs citations	68 times ranked	1828 citing authors

#	Article	IF	Citations
1	Mechanics of the Mammalian Cochlea. Physiological Reviews, 2001, 81, 1305-1352.	28.8	1,259
2	Basilar-membrane responses to tones at the base of the chinchilla cochlea. Journal of the Acoustical Society of America, 1997, 101, 2151-2163.	1.1	675
3	Basilar membrane mechanics at the base of the chinchilla cochlea. I. Inputâ€"output functions, tuning curves, and response phases. Journal of the Acoustical Society of America, 1986, 80, 1364-1374.	1.1	351
4	Responses to sound of the basilar membrane of the mammalian cochlea. Current Opinion in Neurobiology, 1992, 2, 449-456.	4.2	294
5	Frequency Tuning of Basilar Membrane and Auditory Nerve Fibers in the Same Cochleae. , 1998, 282, 1882-1884.		244
6	Organization of auditory cortex in the owl monkey(Aotus trivirgatus). Journal of Comparative Neurology, 1977, 171, 111-128.	1.6	225
7	Two-tone distortion in the basilar membrane of the cochlea. Nature, 1991, 349, 413-414.	27.8	175
8	Basilar-membrane responses to clicks at the base of the chinchilla cochlea. Journal of the Acoustical Society of America, 1998, 103, 1972-1989.	1.1	169
9	Application of a commercially-manufactured Doppler-shift laser velocimeter to the measurement of basilar-membrane vibration. Hearing Research, 1991, 51, 215-230.	2.0	154
10	Delays of stimulus-frequency otoacoustic emissions and cochlear vibrations contradict the theory of coherent reflection filtering. Journal of the Acoustical Society of America, 2005, 118, 2434-2443.	1.1	135
11	Middleâ€ear response in the chinchilla and its relationship to mechanics at the base of the cochlea. Journal of the Acoustical Society of America, 1990, 87, 1612-1629.	1.1	127
12	Two-Tone Distortion on the Basilar Membrane of the Chinchilla Cochlea. Journal of Neurophysiology, 1997, 77, 2385-2399.	1.8	125
13	Mechanical bases of frequency tuning and neural excitation at the base of the cochlea: Comparison of basilar-membrane vibrations and auditory-nerve-fiber responses in chinchilla. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11744-11750.	7.1	125
14	Wiener-Kernel Analysis of Responses to Noise of Chinchilla Auditory-Nerve Fibers. Journal of Neurophysiology, 2005, 93, 3615-3634.	1.8	107
15	The roles of the external, middle, and inner ears in determining the bandwidth of hearing. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13206-13210.	7.1	106
16	Unexceptional sharpness of frequency tuning in the human cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18614-18619.	7.1	106
17	Chinchilla auditoryâ€nerve responses to lowâ€frequency tones. Journal of the Acoustical Society of America, 1983, 73, 2096-2108.	1.1	102
18	Physiology and Coding of Sound in the Auditory Nerve. Springer Handbook of Auditory Research, 1992, , 34-93.	0.7	97

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19	Spontaneous and impulsively evoked otoacoustic emission: indicators of cochlear pathology?. Hearing Research, 1983, 10, 283-300.	2.0	90
20	Threshold Tuning Curves of Chinchilla Auditory-Nerve Fibers. I. Dependence on Characteristic Frequency and Relation to the Magnitudes of Cochlear Vibrations. Journal of Neurophysiology, 2008, 100, 2889-2898.	1.8	77
21	Similarity of Traveling-Wave Delays in the Hearing Organs of Humans and Other Tetrapods. JARO - Journal of the Association for Research in Otolaryngology, 2007, 8, 153-166.	1.8	63
22	Development of wide-band middle ear transmission in the Mongolian gerbil. Journal of the Acoustical Society of America, 2002, 111, 261-270.	1.1	58
23	Basilar membrane mechanics at the base of the chinchilla cochlea. II. Responses to lowâ€frequency tones and relationship to microphonics and spike initiation in the VIII Nerve. Journal of the Acoustical Society of America, 1986, 80, 1375-1383.	1.1	57
24	Wiener Kernels of Chinchilla Auditory-Nerve Fibers: Verification Using Responses to Tones, Clicks, and Noise and Comparison With Basilar-Membrane Vibrations. Journal of Neurophysiology, 2005, 93, 3635-3648.	1.8	57
25	Basilar Membrane Vibrations Near the Round Window of the Gerbil Cochlea. , 2002, 3, 351-361.		56
26	Effects of excitatory and non-excitatory suppressor tones on two-tone rate suppression in auditory nerve fibers. Hearing Research, 1987, 26, 155-164.	2.0	53
27	Systematic errors in indirect estimates of basilar membrane travel times. Journal of the Acoustical Society of America, 1980, 67, 707-709.	1.1	48
28	Cochlear Delays and Traveling Waves: Comments on â€˜Experimental Look at Cochlear Mechanicsâ€™: [A. Dancer, Audiology 1992;31:301-312]. International Journal of Audiology, 1994, 33, 131-142.	1.7	48
29	Phase-Locked Responses to Tones of Chinchilla Auditory Nerve Fibers: Implications for Apical Cochlear Mechanics. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 297-318.	1.8	47
30	Spontaneous otoacoustic emissions in a dog. Hearing Research, 1984, 13, 293-296.	2.0	44
31	Comparison of group delays of 2f1â^'f2 distortion product otoacoustic emissions and cochlear travel times. Acoustics Research Letters Online: ARLO, 2004, 5, 143-147.	0.7	38
32	Threshold Tuning Curves of Chinchilla Auditory Nerve Fibers. II. Dependence on Spontaneous Activity and Relation to Cochlear Nonlinearity. Journal of Neurophysiology, 2008, 100, 2899-2906.	1.8	38
33	Type II cochlear ganglion cells in the chinchilla. Hearing Research, 1982, 8, 339-356.	2.0	36
34	Basilar Membrane Responses to Noise at a Basal Site of the Chinchilla Cochlea: Quasi-Linear Filtering. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 471-484.	1.8	28
35	Kanamycin and bumetanide ototoxicity: Anatomical, physiological and behavioral correlates. Hearing Research, 1982, 7, 261-279.	2.0	27
36	Cochlear microphonics and the initiation of spikes in the auditory nerve: Correlation of singleâ€unit data with neural and receptor potentials recorded from the round window. Journal of the Acoustical Society of America, 1986, 79, 1491-1498.	1.1	27

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37	Low-frequency suppression of auditory nerve responses to characteristic frequency tones. Hearing Research, 1997, 113, 29-56.	2.0	27
38	Traveling Waves on the Organ of Corti of the Chinchilla Cochlea: Spatial Trajectories of Inner Hair Cell Depolarization Inferred from Responses of Auditory-Nerve Fibers. Journal of Neuroscience, 2012, 32, 10522-10529.	3.6	27
39	Middle-ear transmission in humans: wide-band, not frequency-tuned?. Acoustics Research Letters Online: ARLO, 2003, 4, 53-58.	0.7	22
40	Distortion in those good vibrations. Current Biology, 1993, 3, 755-758.	3.9	19
41	Mossbauer Measurements of the Mechanical Response to Single-Tone and Two-Tone Stimuli at the Base of the Chinchilla Cochlea. Lecture Notes in Biomathematics, 1986, , 121-128.	0.3	19
42	Passive basilar membrane vibrations in gerbil neonates: mechanical bases of cochlear maturation. Journal of Physiology, 2002, 545, 279-288.	2.9	17
43	Basilar-Membrane Responses to Broadband Noise Modeled Using Linear Filters With Rational Transfer Functions. IEEE Transactions on Biomedical Engineering, 2011, 58, 1456-1465.	4.2	14
44	BASILAR-MEMBRANE MECHANICS AT THE HOOK REGION OF THE CHINCHILLA COCHLEA. , 2000, , .		13
45	High-Frequency Sensitivity of the Mature Gerbil Cochlea and Its Development. Audiology and Neuro-Otology, 2003, 8, 19-27.	1.3	12
46	Timing of cochlear responses inferred from frequency-threshold tuning curves of auditory-nerve fibers. Hearing Research, 2011, 272, 178-186.	2.0	12
47	Nonlinear Interactions in the Mechanical Response of the Cochlea to Two-Tone Stimuli. , 1989, , 369-375.		12
48	Basilar Membrane Responses to Clicks. , 1992, , 85-92.		12
49	Two-Tone Distortion Products in the Basilar Membrane of the Chinchilla Cochlea. Lecture Notes in Biomathematics, 1990, , 304-313.	0.3	10
50	â€œPeak-Splittingâ€ Intensity Effects in Cochlear Afferent Responses to Low Frequency Tones. , 1989, , 259-267.		8
51	Spatial Irregularities of Sensitivity along the Organ of Corti of the Cochlea. Journal of Neuroscience, 2014, 34, 11349-11354.	3.6	6
52	Stapes Vibration in the Chinchilla Middle Ear: Relation to Behavioral and Auditory-Nerve Thresholds. JARO - Journal of the Association for Research in Otolaryngology, 2015, 16, 447-457.	1.8	5
53	Systemic Injection of Furosemide Alters the Mechanical Response to Sound of the Basilar Membrane. Lecture Notes in Biomathematics, 1990, , 314-321.	0.3	5
54	BOOST OF TRANSMISSION AT THE PEDICLE OF THE INCUS IN THE CHINCHILLA MIDDLE EAR. , 2007, , .		3

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55	14-3-3. , 2008, , 1-1.		2
56	A NEW AND IMPROVED MIDDLE EAR. , 2004, , .		2
57	Responses of Cochlear Afferents to Low-Frequency Tones: Intensity Dependence. , 1988, , 57-62.		2
58	Effects on auditory-nerve fibers of opening the otic capsule at the apex of the chinchilla cochlea. AIP Conference Proceedings, 2015, , .	0.4	1
59	Cochlear Macro- and Micromechanicsâ€"A Moderated Discussion. , 2011, , .		0