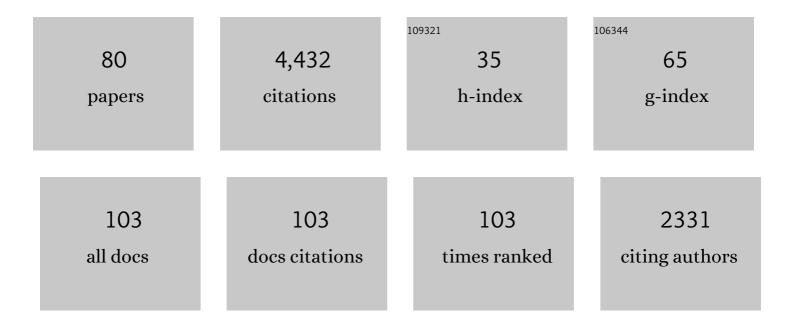
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effect of unilateral partial cochlear lesions in adult cats on the representation of lesioned and unlesioned cochleas in primary auditory cortex. Journal of Comparative Neurology, 1993, 338, 17-49.	1.6	360
2	Multisensory processing via early cortical stages: Connections of the primary auditory cortical field with other sensory systems. Neuroscience, 2006, 143, 1065-1083.	2.3	268
3	Auditory Cortical Onset Responses Revisited. I. First-Spike Timing. Journal of Neurophysiology, 1997, 77, 2616-2641.	1.8	213
4	Frequency and periodicity are represented in orthogonal maps in the human auditory cortex: evidence from magnetoencephalography. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1997, 181, 665-676.	1.6	176
5	First-spike latency of auditory neurons revisited. Current Opinion in Neurobiology, 2004, 14, 461-467.	4.2	156
6	Functional Organization of Auditory Cortex in the Mongolian Gerbil (<i>Meriones unguiculatus</i>). I. Electrophysiological Mapping of Frequency Representation and Distinction of Fields. European Journal of Neuroscience, 1993, 5, 882-897.	2.6	152
7	First-Spike Timing of Auditory-Nerve Fibers and Comparison With Auditory Cortex. Journal of Neurophysiology, 1997, 78, 2438-2454.	1.8	151
8	Sensitivity of neurons in cat primary auditory cortex to tones and frequency-modulated stimuli. I: Effects of variation of stimulus parameters. Hearing Research, 1992, 63, 108-134.	2.0	143
9	Functional organization of auditory cortex in the Mongolian gerbil (Meriones unguiculatus). III. Anatomical subdivisions and corticocortical connections. European Journal of Neuroscience, 2000, 12, 2425-2451.	2.6	133
10	Auditory Cortical Onset Responses Revisited. II. Response Strength. Journal of Neurophysiology, 1997, 77, 2642-2660.	1.8	131
11	Invasion of visual cortex by the auditory system in the naturally blind mole rat. NeuroReport, 1991, 2, 735-738.	1.2	128
12	Sensitivity of neurons in cat primary auditory cortex to tones and frequency-modulated stimuli. II: Organization of response properties along the â€ĩisofrequency' dimension. Hearing Research, 1992, 63, 135-156.	2.0	128
13	Topographic representation of tone intensity along the isofrequency axis of cat primary auditory cortex. Hearing Research, 1994, 76, 188-202.	2.0	122
14	A unifying basis of auditory thresholds based on temporal summation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6151-6156.	7.1	122
15	Functional organization of auditory cortex in the Mongolian gerbil (Meriones unguiculatus). IV. Connections with anatomically characterized subcortical structures. European Journal of Neuroscience, 2000, 12, 2452-2474.	2.6	117
16	New Insights into the Hemodynamic Blood Oxygenation Level-Dependent Response through Combination of Functional Magnetic Resonance Imaging and Optical Recording in Gerbil Barrel Cortex. Journal of Neuroscience, 2000, 20, 3328-3338.	3.6	100
17	Auditory pathway and auditory activation of primary visual targets in the blind mole rat (Spalax) Tj ETQq1 1 0.78 284, 253-274.	34314 rgB1 1.6	- /Overlock 1 97
18	Auditory activation of â€~visual' cortical areas in the blind mole rat (Spalax ehrenbergi). European Journal of Neuroscience, 2002, 16, 311-329.	2.6	92

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19	Basic response properties of auditory nerve fibers: a review. Cell and Tissue Research, 2015, 361, 129-158.	2.9	88
20	Detection of Near-Threshold Sounds is Independent of EEG Phase in Common Frequency Bands. Frontiers in Psychology, 2013, 4, 262.	2.1	81
21	Temporal Integration of Sound Pressure Determines Thresholds of Auditory-Nerve Fibers. Journal of Neuroscience, 2001, 21, 7404-7415.	3.6	79
22	Parallels Between Timing of Onset Responses of Single Neurons in Cat and of Evoked Magnetic Fields in Human Auditory Cortex. Journal of Neurophysiology, 2000, 84, 2426-2439.	1.8	76
23	Functional Organization of Auditory Cortex in the Mongolian Gerbil (Meriones unguiculatus) II. Tonotopic 2-Deoxyglucose. European Journal of Neuroscience, 1993, 5, 898-914.	2.6	75
24	Processing of frequency-modulated stimuli in the chick auditory cortex analogue: evidence for topographic representations and possible mechanisms of rate and directional sensitivity. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 171, 583-600.	1.6	71
25	Effects of unilateral and bilateral cochlea removal on 2-deoxyglucose patterns in the chick auditory system. Journal of Comparative Neurology, 1986, 252, 279-301.	1.6	69
26	Functional Specialization in Auditory Cortex: Responses to Frequency-Modulated Stimuli in the Cat's Posterior Auditory Field. Journal of Neurophysiology, 1998, 79, 3041-3059.	1.8	65
27	Spontaneous Activity of Auditory-Nerve Fibers: Insights into Stochastic Processes at Ribbon Synapses. Journal of Neuroscience, 2007, 27, 8457-8474.	3.6	59
28	An Improved Model for the Rate–Level Functions of Auditory-Nerve Fibers. Journal of Neuroscience, 2011, 31, 15424-15437.	3.6	50
29	Coding of temporal onset envelope in the auditory system. Speech Communication, 2003, 41, 123-134.	2.8	48
30	Functional organization of the avian auditory cortex analogue. I. Topographic representation of isointensity bandwidth. Brain Research, 1991, 539, 110-120.	2.2	47
31	Towards a unifying basis of auditory thresholds: Distributions of the first-spike latencies of auditory-nerve fibers. Hearing Research, 2008, 238, 25-38.	2.0	46
32	On determinants of first-spike latency in auditory cortex. NeuroReport, 1996, 7, 3073-3076.	1.2	45
33	The Build-up of Auditory Stream Segregation: A Different Perspective. Frontiers in Psychology, 2012, 3, 461.	2.1	43
34	Persistent neural activity in auditory cortex is related to auditory working memory in humans and nonhuman primates. ELife, 2016, 5, .	6.0	42
35	Summing Across Different Active Zones can Explain the Quasi-Linear Ca2+-Dependencies of Exocytosis by Receptor Cells. Frontiers in Synaptic Neuroscience, 2010, 2, 148.	2.5	39
36	A Model of Synaptic Vesicle-Pool Depletion and Replenishment Can Account for the Interspike Interval Distributions and Nonrenewal Properties of Spontaneous Spike Trains of Auditory-Nerve Fibers. Journal of Neuroscience, 2014, 34, 15097-15109.	3.6	37

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37	Spike timing in auditoryâ€nerve fibers during spontaneous activity and phase locking. Synapse, 2017, 71, 5-36.	1.2	36
38	Associations between sounds and actions in early auditory cortex of nonhuman primates. ELife, 2019, 8, .	6.0	36
39	Spatial representation of frequency-modulated signals in the tonotopically organized auditory cortex analogue of the chick. Journal of Comparative Neurology, 1992, 322, 548-565.	1.6	32
40	A physiological model for the stimulus dependence of first-spike latency of auditory-nerve fibers. Brain Research, 2008, 1220, 208-223.	2.2	31
41	Functional organization of the avian auditory cortex analogue. II. Topographic distribution of latency. Brain Research, 1991, 539, 121-125.	2.2	30
42	Towards a Unifying Basis of Auditory Thresholds: The Effects of Hearing Loss on Temporal Integration Reconsidered. JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 436-458.	1.8	29
43	Stimulationâ€history effects on the <scp>M</scp> 100 revealed by its differential dependence on the stimulus onset interval. Psychophysiology, 2012, 49, 909-919.	2.4	26
44	Why longer song elements are easier to detect: threshold level-duration functions in the Great Tit and comparison with human data. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 239-252.	1.6	26
45	Representation of Sound Onsets in the Auditory System. Audiology and Neuro-Otology, 2001, 6, 167-172.	1.3	24
46	Comparison of Absolute Thresholds Derived from an Adaptive Forced-Choice Procedure and from Reaction Probabilities and Reaction Times in a Simple Reaction Time Paradigm. JARO - Journal of the Association for Research in Otolaryngology, 2006, 7, 279-298.	1.8	24
47	Towards a Unifying Basis of Auditory Thresholds: Binaural Summation. JARO - Journal of the Association for Research in Otolaryngology, 2014, 15, 219-234.	1.8	21
48	A simple model of the inner-hair-cell ribbon synapse accounts for mammalian auditory-nerve-fiber spontaneous spike times. Hearing Research, 2018, 363, 1-27.	2.0	18
49	Phase Locking of Auditory Nerve Fibers: The Role of Lowpass Filtering by Hair Cells. Journal of Neuroscience, 2020, 40, 4700-4714.	3.6	18
50	Neuronal coding of interaural transient envelope disparities. European Journal of Neuroscience, 1998, 10, 2831-2847.	2.6	17
51	Spontaneous Activity of Auditory Nerve Fibers in the Barn Owl (<i>Tyto alba</i>): Analyses of Interspike Interval Distributions. Journal of Neurophysiology, 2009, 101, 3169-3191.	1.8	14
52	A probabilistic Poisson-based model accounts for an extensive set of absolute auditory threshold measurements. Hearing Research, 2017, 353, 135-161.	2.0	14
53	Phase Locking of Auditory-Nerve Fibers Reveals Stereotyped Distortions and an Exponential Transfer Function with a Level-Dependent Slope. Journal of Neuroscience, 2019, 39, 4077-4099.	3.6	14
54	Effects of the task of categorizing FM direction on auditory evoked magnetic fields in the human auditory cortex. Brain Research, 2008, 1220, 102-117.	2.2	13

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55	The M100 component of evoked magnetic fields differs by scaling factors: Implications for signal averaging. Psychophysiology, 2011, 48, 1069-1082.	2.4	13
56	A Probabilistic Model of Absolute Auditory Thresholds and Its Possible Physiological Basis. Advances in Experimental Medicine and Biology, 2013, 787, 21-29.	1.6	13
57	Aspects of Temporal Processing of FM Stimuli in Primary Auditory Cortex. Acta Oto-Laryngologica, 1997, 117, 99-102.	0.9	12
58	Modelling detection thresholds for sounds repeated at different delays. Hearing Research, 2013, 296, 83-95.	2.0	12
59	Further observations on the threshold model of latency for auditory neurons. Behavioural Brain Research, 1998, 95, 233-236.	2.2	11
60	Correcting for false alarms in a simple reaction time task. Brain Research, 2006, 1122, 99-115.	2.2	11
61	Averaging auditory evoked magnetoencephalographic and electroencephalographic responses: a critical discussion. European Journal of Neuroscience, 2015, 41, 631-640.	2.6	11
62	Inconsistent effects of stochastic resonance on human auditory processing. Scientific Reports, 2020, 10, 6419.	3.3	9
63	POSTNATAL SHIFT OF TONOTOPIC ORGANIZATION IN THE CHICK AUDITORY CORTEX ANALOGUE. NeuroReport, 1992, 3, 381-384.	1.2	8
64	Onset-Duration Matching of Acoustic Stimuli Revisited: Conventional Arithmetic vs. Proposed Geometric Measures of Accuracy and Precision. Frontiers in Psychology, 2016, 7, 2013.	2.1	7
65	Auditory cortex – Current concepts in human and animal research. Hearing Research, 2011, 271, 1-2.	2.0	6
66	Variance stabilization for computing and comparing grand mean waveforms in <scp>MEG</scp> and <scp>EEG</scp> . Psychophysiology, 2013, 50, 627-639.	2.4	6
67	Decision making and ambiguity in auditory stream segregation. Frontiers in Neuroscience, 2015, 9, 266.	2.8	6
68	Nelson's notch in the rate-level functions of auditory-nerve fibers might be caused by PIEZO2-mediated reverse-polarity currents in hair cells. Hearing Research, 2019, 381, 107783.	2.0	6
69	Absolute auditory threshold: testing the absolute. European Journal of Neuroscience, 2020, 51, 1224-1233.	2.6	6
70	Comparing and modeling absolute auditory thresholds in an alternative-forced-choice and a yes-no procedure. Hearing Research, 2021, 403, 108164.	2.0	5
71	Recovery of auditory-nerve-fiber spike amplitude under natural excitation conditions. Hearing Research, 2018, 370, 248-263.	2.0	4
72	A simplified physiological model of rate-level functions of auditory-nerve fibers. Hearing Research, 2021, 406, 108258.	2.0	4

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73	Towards a unifying basis of auditory thresholds: Thresholds for multicomponent stimuli. Hearing Research, 2021, 410, 108349.	2.0	2
74	Auditory cortex 2014 – towards a synthesis of human and animal research. European Journal of Neuroscience, 2015, 41, 515-517.	2.6	1
75	Auditory thresholds re-visited. , 2005, , 453-469.		1
76	Different Binaural Inputs Subdividing Isofrequency Planes in Chick Inferior Colliculus: Evidence from 2-Deoxyglucose. , 1988, , 185-190.		1
77	Auditory Nerve Response, Afferent Signals. , 2013, , 1-3.		0
78	Auditory Nerve Response, Afferent Signals. , 2014, , 1-3.		0
79	Auditory-Nerve Response, Afferent Signals. , 2019, , 1-3.		0
80	Auditory-Nerve Response, Afferent Signals. , 2022, , 328-330.		0