GÃ¼nter Ehret

List of Publications by Year
in descending order

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43	2,431	236925	276875
papers	citations	25 h-index	41 g-index

43	43	43	1703
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impaired Synaptic Plasticity and Motor Learning in Mice with a Point Mutation Implicated in Human Speech Deficits. Current Biology, 2008, 18, 354-362.	3.9	304
2	Infant Rodent Ultrasounds ? A Gate to the Understanding of Sound Communication. Behavior Genetics, 2005, 35, 19-29.	2.1	284
3	Inferior colliculus of the house mouse. I. A quantitative study of tonotopic organization, frequency representation, and tone-threshold distribution. Journal of Comparative Neurology, 1985, 238, 65-76.	1.6	178
4	Complex sound analysis (frequency resolution, filtering and spectral integration) by single units of the inferior colliculus of the cat. Brain Research Reviews, 1988, 13, 139-163.	9.0	174
5	Frequency response areas of neurons in the mouse inferior colliculus. I. Threshold and tuning characteristics. Experimental Brain Research, 2001, 140, 145-161.	1.5	105
6	development of tonotopy in the inferior colliculus. I. Electrophysiological mapping in house mice. Developmental Brain Research, 1990, 54, 221-234.	1.7	97
7	The structure of innate vocalizations in Foxp2â€deficient mouse pups. Genes, Brain and Behavior, 2010, 9, 390-401.	2.2	92
8	Masked auditory thresholds, critical ratios, and scales of the basilar membrane of the housemouse (Mus musculus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1975, 103, 329-341.	1.6	89
9	Auditory perception vs. recognition: representation of complex communication sounds in the mouse auditory cortical fields. European Journal of Neuroscience, 2004, 19, 1027-1040.	2.6	85
10	Quantitative analysis of neuronal response properties in primary and higherâ€order auditory cortical fields of awake house mice (M us musculus). European Journal of Neuroscience, 2014, 39, 904-918.	2.6	69
11	Inputs from three brainstem sources to identified neurons of the mouse inferior colliculus slice. Brain Research, 1999, 816, 527-543.	2.2	68
12	Mice and humans perceive multiharmonic communication sounds in the same way. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 479-482.	7.1	68
13	Time-critical integration of formants for perception of communication calls in mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9021-9025.	7.1	67
14	Foxp2 Mutations Impair Auditory-Motor Association Learning. PLoS ONE, 2012, 7, e33130.	2.5	64
15	Mapping responses to frequency sweeps and tones in the inferior colliculus of house mice. European Journal of Neuroscience, 2003, 18, 2301-2312.	2.6	62
16	Critical bands and filter characteristics in the ear of the housemouse (Mus musculus). Biological Cybernetics, 1976, 24, 35-42.	1.3	61
17	Ultrasonic vocalizations of adult male Foxp2â€mutant mice: behavioral contexts of arousal and emotion. Genes, Brain and Behavior, 2016, 15, 243-259.	2.2	46
18	Schallsignale Der Hausmaus (Mus Musculus). Behaviour, 1974, 52, 38-56.	0.8	42

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19	Development of Sound Communication in Mammals. Advances in the Study of Behavior, 1980, 11, 179-225.	1.6	42
20	Perception and recognition discriminated in the mouse auditory cortex by c-Fos labeling. NeuroReport, 1999, 10, 2341-2345.	1.2	37
21	Spatial map of frequency tuning-curve shapes in the mouse inferior colliculus. NeuroReport, 2003, 14, 1365-1369.	1.2	37
22	Ultrasoundâ€induced Parental Behaviour in House Mice is Controlled by Female Sex Hormones and Parental Experience. Ethology, 1989, 80, 81-93.	1.1	35
23	Noise masking of tone responses and critical ratios in single units of the mouse cochlear nerve and cochlear nucleus. Hearing Research, 1984, 14, 45-57.	2.0	34
24	Tonotopy and inhibition in the midbrain inferior colliculus shape spectral resolution of sounds in neural critical bands. European Journal of Neuroscience, 2008, 28, 675-692.	2.6	32
25	Grouping in auditory temporal perception and vocal production is mutually adapted: the case of wriggling calls of mice. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2005, 191, 1131-1135.	1.6	30
26	Auditory discrimination learning and knowledge transfer in mice depends on task difficulty. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8481-8485.	7.1	30
27	Modified sound-evoked brainstem potentials in Foxp2 mutant mice. Brain Research, 2009, 1289, 30-36.	2.2	24
28	Parental behavior in the mouse: effects of lesions in the entorhinal/piriform cortex. Behavioural Brain Research, 1991, 42, 99-105.	2.2	23
29	Spectral summation and facilitation in onâ€and offâ€responses for optimized representation of communication calls in mouse inferior colliculus. European Journal of Neuroscience, 2017, 45, 440-459.	2.6	22
30	Reproductive cycle-dependent plasticity of perception of acoustic meaning in mice. Physiology and Behavior, 2009, 96, 428-433.	2.1	21
31	Oestrogen receptor occurrence in the male mouse brain. NeuroReport, 1993, 4, 1247-1250.	1.2	19
32	Frequency response areas of mouse inferior colliculus neurons: II. Critical bands. NeuroReport, 2006, 17, 1783-1786.	1.2	18
33	Activation of the medial preoptic area (MPOA) ameliorates loss of maternal behavior in a Shank2 mouse model for autism. EMBO Journal, 2021, 40, e104267.	7.8	16
34	Knowledge About Soundsâ€"Context-Specific Meaning Differently Activates Cortical Hemispheres, Auditory Cortical Fields, and Layers in House Mice. Frontiers in Neuroscience, 2016, 10, 98.	2.8	14
35	Limbic brain activation for maternal acoustic perception and responding is different in mothers and virgin female mice. Journal of Physiology (Paris), 2013, 107, 62-71.	2.1	12
36	Normal Brainstem Auditory Evoked Potentials in Pax5-Deficient Mice Despite Morphologic Alterations in the Auditory Midbrain Region. International Journal of Audiology, 1996, 35, 55-61.	1.7	7

#	Article	IF	Citations
37	Communication Sounds and their Cortical Representation. , 2011, , 343-367.		7
38	Frequency response areas of neurons in the mouse inferior colliculus. III. Time-domain responses: Constancy, dynamics, and precision in relation to spectral resolution, and perception in the time domain. PLoS ONE, 2020, 15, e0240853.	2.5	5
39	Selective perception and recognition of vocal signals. Handbook of Behavioral Neuroscience, 2010, 19, 125-134.	0.7	4
40	Auditory maps in the midbrain: The inferior colliculus. , 2005, , 162-168.		2
41	New perspectives of information transformation through the auditory cortical layers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21463-21464.	7.1	2
42	Corticofugal Augmentation of the Auditory Brainstem Response With Respect to Cortical Preference. Frontiers in Systems Neuroscience, 2019, 13, 39.	2.5	2
43	Adaptation and spectral enhancement at auditory temporal perceptual boundaries - Measurements via temporal precision of auditory brainstem responses. PLoS ONE, 2018, 13, e0208935.	2.5	1