Georg M Klump

List of Publications by Year
in descending order

73 papers	1,477 citations	279798 23 h-index	377865 34 g-index
74 all docs	74 docs citations	74 times ranked	885 citing authors

#	Article	IF	Citations
1	Primitive Auditory Stream Segregation: A Neurophysiological Study in the Songbird Forebrain. Journal of Neurophysiology, 2004, 92, 1088-1104.	1.8	121
2	Sound Localization in Birds. Springer Handbook of Auditory Research, 2000, , 249-307.	0.7	88
3	Auditory Stream Segregation in the Songbird Forebrain: Effects of Time Intervals on Responses to Interleaved Tone Sequences. Brain, Behavior and Evolution, 2005, 66, 197-214.	1.7	72
4	Boosting GABA improves impaired auditory temporal resolution in the gerbil. NeuroReport, 2003, 14, 1877-1880.	1.2	48
5	Neural adaptation to tone sequences in the songbird forebrain: patterns, determinants, and relation to the build-up of auditory streaming. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2010, 196, 543-557.	1.6	48
6	Determinants of male mating success in the red bishop (Euplectes orix). Behavioral Ecology and Sociobiology, 1999, 46, 387-399.	1.4	47
7	The Physiological Basis and Clinical Use of the Binaural Interaction Component of the Auditory Brainstem Response. Ear and Hearing, 2016, 37, e276-e290.	2.1	45
8	Acoustic startle modification as a tool for evaluating auditory function of the mouse: Progress, pitfalls, and potential. Neuroscience and Biobehavioral Reviews, 2017, 77, 194-208.	6.1	42
9	Temporal summation in the European starling (Sturnus vulgaris).. Journal of Comparative Psychology (Washington, D C: 1983), 1990, 104, 94-100.	0.5	40
10	Auditory Streaming of Amplitude-Modulated Sounds in the Songbird Forebrain. Journal of Neurophysiology, 2009, 101, 3212-3225.	1.8	38
11	Age-Dependent Changes of Gap Detection in the Mongolian Gerbil (Meriones unguiculatus). JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 49-57.	1.8	36
12	Frequency difference limens of pure tones and harmonics within complex stimuli in Mongolian gerbils and humans. Journal of the Acoustical Society of America, 2009, 125, 304-314.	1.1	36
13	An excitationâ€pattern model for the starling (Sturnus vulgaris). Journal of the Acoustical Society of America, 1995, 98, 112-124.	1.1	34
14	An estimate of the auditory-filter bandwidth in the Mongolian gerbil. Hearing Research, 2002, 164, 69-76.	2.0	34
15	Azimuthal sound localization in the European starling (Sturnus vulgaris). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 170, 243-51.	1.6	33
16	Auditory duration discrimination in the European starling (Sturnus vulgaris). Journal of the Acoustical Society of America, 1990, 88, 616-621.	1.1	29
17	Neural correlates of auditory streaming in an objective behavioral task. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10738-10743.	7.1	29
18	Behavioral and evoked-potential thresholds in young and old Mongolian gerbils (Meriones) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	2.0	28

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19	Resolution in azimuth sound localization in the Mongolian gerbil (Meriones unguiculatus). Journal of the Acoustical Society of America, 2006, 119, 1029.	1.1	27
20	Duration discrimination in the mouse (Mus musculus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2004, 190, 1039-1046.	1.6	25
21	Temporal integration in the gerbil: The effects of age, hearing loss and temporally unmodulated and modulated speech-like masker noises. Hearing Research, 2007, 224, 101-114.	2.0	25
22	Neural Correlates of Auditory Streaming of Harmonic Complex Sounds With Different Phase Relations in the Songbird Forebrain. Journal of Neurophysiology, 2011, 105, 188-199.	1.8	25
23	Gap detection in Mongolian gerbils (Meriones unguiculatus). Hearing Research, 2003, 176, 11-16.	2.0	24
24	Within- and Across-Channel Processing in Auditory Masking: A Physiological Study in the Songbird Forebrain. Journal of Neuroscience, 2003, 23, 5732-5739.	3.6	24
25	Operant methods for mouse psychoacoustics. Behavior Research Methods, 2006, 38, 1-7.	4.0	24
26	Amplitude and phase equalization of stimuli for click evoked auditory brainstem responses. Journal of the Acoustical Society of America, 2015, 137, EL71-EL77.	1.1	23
27	Temporal modulation transfer functions in the barn owl (Tyto alba). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 187, 937-943.	1.6	22
28	Aging effects on the binaural interaction component of the auditory brainstem response in the Mongolian gerbil: Effects of interaural time and level differences. Hearing Research, 2016, 337, 46-58.	2.0	21
29	Effects of omni-directional noise-exposure during hearing onset and age on auditory spatial resolution in the Mongolian gerbil (Meriones unguiculatus) â€" a behavioral approach. Brain Research, 2008, 1220, 47-57.	2.2	19
30	Animal models for auditory streaming. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160112.	4.0	19
31	Frequency discrimination in the European starling (Sturnus vulgaris): A comparison of different measures. Hearing Research, 1992, 63, 43-51.	2.0	16
32	A quantitative analysis of psychometric functions for different auditory tasks in gerbils. Hearing Research, 2006, 220, 27-37.	2.0	16
33	Comodulation Masking Release Determined in the Mouse (Mus musculus) using a Flanking-band Paradigm. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 79-88.	1.8	16
34	Auditory short-term memory persistence for tonal signals in a songbird. Journal of the Acoustical Society of America, 2007, 121, 2842-2851.	1.1	15
35	Comparison of mouse minimum audible angle determined in prepulse inhibition and operant conditioning procedures. Hearing Research, 2016, 333, 167-178.	2.0	14
36	Exploring binaural hearing in gerbils (Meriones unguiculatus) using virtual headphones. PLoS ONE, 2017, 12, e0175142.	2.5	14

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37	Land or lover? Territorial defence and mutual mate guarding in the crimson-breasted shrike. Behavioral Ecology and Sociobiology, 2014, 68, 373-381.	1.4	13
38	Comparison of the sensitivity of prepulse inhibition of the startle reflex and operant conditioning in an auditory intensity difference limen paradigm. Hearing Research, 2015, 321, 35-44.	2.0	13
39	Barn owls have ageless ears. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171584.	2.6	13
40	Mistuning detection and onset asynchrony in harmonic complexes in Mongolian gerbils. Journal of the Acoustical Society of America, 2010, 128, 280-290.	1.1	12
41	Evaluating auditory stream segregation of SAM tone sequences by subjective and objective psychoacoustical tasks, and brain activity. Frontiers in Neuroscience, 2014, 8, 119.	2.8	12
42	Individual identity, song repertoire and duet function in the Crimson-breasted Shrike (Laniarius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.7	11
43	Azimuthal sound localization in the European starling (Sturnus vulgaris): II. Psychophysical results. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 127-138.	1.6	11
44	Evidence for the origin of the binaural interaction component of the auditory brainstem response. European Journal of Neuroscience, 2020, 51, 598-610.	2.6	11
45	Crimson-breasted Shrike females with extra pair offspring contributed more to duets. Behavioral Ecology and Sociobiology, 2014, 68, 1245-1252.	1.4	10
46	Speech sound discrimination by Mongolian gerbils. Hearing Research, 2022, 418, 108472.	2.0	10
47	Azimuthal sound localization in the European starling (Sturnus vulgaris): III. Comparison of sound localization measures. Hearing Research, 2016, 332, 238-248.	2.0	9
48	Auditory memory for temporal characteristics of sound. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 457-467.	1.6	8
49	The barn owlsâ€™ Minimum Audible Angle. PLoS ONE, 2019, 14, e0220652.	2.5	8
50	A Comparative View on the Perception of Mistuning: Constraints of the Auditory Periphery. , 2010, , 465-475.		8
51	A multimodal-corpus data collection system for cognitive acoustic scene analysis. , 2011, , .		7
52	Effect of preceding stimulation on sound localization and its representation in the auditory midbrain. European Journal of Neuroscience, 2017, 45, 460-471.	2.6	7
53	Uncertainty in location, level and fundamental frequency results in informational masking in a vowel discrimination task for young and elderly subjects. Hearing Research, 2019, 377, 142-152.	2.0	7
54	Temporal ventriloquism effect in European starlings: Evidence for two parallel processing pathways.. Behavioral Neuroscience, 2017, 131, 337-347.	1.2	7

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55	Uncertainty-based informational masking in a vowel discrimination task for young and old Mongolian gerbils. Hearing Research, 2020, 392, 107959.	2.0	7
56	Chickens have excellent sound localization ability. Journal of Experimental Biology, 2022, 225, .	1.7	7
57	SIGNAL DETECTION ENHANCED BY COMODULATED NOISE. Fluctuation and Noise Letters, 2006, 06, L339-L347.	1.5	6
58	Processing of transient signals in the visual system of the European starling (Sturnus vulgaris) and humans. Vision Research, 2011, 51, 21-25.	1.4	6
59	Auditory streaming by phase relations between components of harmonic complexes: A comparative study of human subjects and bird forebrain neurons.. Behavioral Neuroscience, 2012, 126, 797-808.	1.2	6
60	Binaural cues provide for a release from informational masking.. Behavioral Neuroscience, 2015, 129, 589-598.	1.2	6
61	Forward masking in gerbils: The effect of age. Hearing Research, 2007, 223, 122-128.	2.0	5
62	Effects of signal features and background noise on distance cue discrimination by a songbird. Journal of Experimental Biology, 2015, 218, 1006-1015.	1.7	5
63	Neural processing and perception of Schroederâ€phase harmonic tone complexes in the gerbil: Relating singleâ€unit neurophysiology to behavior. European Journal of Neuroscience, 2022, 56, 4060-4085.	2.6	5
64	Effect of head turns on the localization accuracy of sounds in the European starling (Sturnus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.2	4
65	Release from informational masking by auditory stream segregation: perception and its neural correlate. European Journal of Neuroscience, 2020, 51, 1242-1253.	2.6	4
66	Evolutionary Adaptations for Auditory Communication. , 2005, , 27-45.		3
67	Interaction of interaural cues and their contribution to the lateralisation of Mongolian gerbils (Meriones unguiculatus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 435-448.	1.6	3
68	Processing of interaural phase differences in components of harmonic and mistuned complexes in the inferior colliculus of the Mongolian gerbil. European Journal of Neuroscience, 2018, 47, 1242-1251.	2.6	3
69	Violation of the Unity Assumption Disrupts Temporal Ventriloquism Effect in Starlings. Frontiers in Psychology, 2018, 9, 1386.	2.1	3
70	Interaction of spatial and nonâ€spatial cues in auditory stream segregation in the European starling. European Journal of Neuroscience, 2020, 51, 1191-1200.	2.6	3
71	Interaction of spatial source separation, fundamental frequency, and vowel pairing in a sequential informational masking paradigm in Mongolian gerbils.. Behavioral Neuroscience, 2020, 134, 119-132.	1.2	3
72	Moving Objects in the Barn Owlâ€™s Auditory World. Advances in Experimental Medicine and Biology, 2016, 894, 219-227.	1.6	2

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73	Phase Discrimination Ability in Mongolian Gerbils Provides Evidence for Possible Processing Mechanism of Mistuning Detection. Advances in Experimental Medicine and Biology, 2013, 787, 399-407.	1.6	1