Herbert F Voigt

List of Publications by Year
in descending order

43 papers	950 citations	516710 16 h-index	454955 30 g-index
45 all docs	45 docs citations	45 times ranked	338 citing authors

#	Article	IF	Citations
1	Response properties of type II and type III units in dorsal cochlear nucleus. Hearing Research, 1982, 6, 153-169.	2.0	139
2	Cross-correlation analysis of inhibitory interactions in dorsal cochlear nucleus. Journal of Neurophysiology, 1990, 64, 1590-1610.	1.8	112
3	Sound-power collection by the auditory periphery of the Mongolian gerbil M e r i o n e sâ€ˆu n g u i c u l a. Journal of the Acoustical Society of America, 1992, 92, 157-177.	1.1	81
4	Stimulus dependencies of the gerbil brainâ€stem auditoryâ€evoked response (BAER). I: Effects of click level, rate, and polarity. Journal of the Acoustical Society of America, 1989, 85, 2514-2525.	1.1	62
5	Response properties of units in the dorsal cochlear nucleus of unanesthetized decerebrate gerbil. Journal of Neurophysiology, 1996, 75, 1411-1431.	1.8	59
6	Acoustic and Current-Pulse Responses of Identified Neurons in the Dorsal Cochlear Nucleus of Unanesthetized, Decerebrate Gerbils. Journal of Neurophysiology, 1999, 82, 3434-3457.	1.8	46
7	Representation of whispered vowels in discharge patterns of auditory-nerve fibers. Hearing Research, 1982, 8, 49-58.	2.0	37
8	Intracellularly Labeled Fusiform Cells in Dorsal Cochlear Nucleus of the Gerbil. I. Physiological Response Properties. Journal of Neurophysiology, 2002, 87, 2505-2519.	1.8	33
9	Wideband Inhibition of Dorsal Cochlear Nucleus Type IV Units in Cat: A Computational Model. Annals of Biomedical Engineering, 1999, 27, 73-87.	2.5	32
10	Brainstem Auditory-Evoked Response in the Rat Normative Studies, with Observations Concerning the Effects of Ossicular Disruption. International Journal of Audiology, 1990, 29, 146-162.	1.7	24
11	Intracellularly Labeled Fusiform Cells in Dorsal Cochlear Nucleus of the Gerbil. II. Comparison of Physiology and Anatomy. Journal of Neurophysiology, 2002, 87, 2520-2530.	1.8	24
12	Soundâ€power collection by the auditory periphery of the mongolian gerbil Meriones unguiculatus. II. Externalâ€ear radiation impedance and power collection. Journal of the Acoustical Society of America, 1996, 99, 3044-3063.	1.1	23
13	Intracellular Response Properties of Units in the Dorsal Cochlear Nucleus of Unanesthetized Decerebrate Gerbil. Journal of Neurophysiology, 1997, 77, 2549-2572.	1.8	23
14	Neural modeling of the dorsal cochlear nucleus: cross-correlation analysis of short-duration tone-burst responses. Biological Cybernetics, 1994, 71, 511-521.	1.3	22
15	Evidence of Stimulus-Dependent Correlated Activity in the Dorsal Cochlear Nucleus of Decerebrate Gerbils. Journal of Neurophysiology, 1997, 78, 229-247.	1.8	21
16	Modeling inhibition of type II units in the dorsal cochlear nucleus. Biological Cybernetics, 1997, 76, 419-428.	1.3	21
17	Stimulus dependencies of the gerbil brainâ€stem auditoryâ€evoked response (BAER). III: Additivity of click level and rate with noise level. Journal of the Acoustical Society of America, 1990, 88, 2222-2234.	1.1	16
18	A statistically based method to generate response maps objectively. Journal of Neuroscience Methods, 1995, 57, 107-118.	2.5	16

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19	Stimulus dependencies of the gerbil brainâ€stem auditoryâ€evoked response (BAER). II: Effects of broadband noise level and highâ€pass masker cutoff frequency across click polarity. Journal of the Acoustical Society of America, 1989, 85, 2526-2536.	1.1	15
20	Comments on â€˜â€˜Stimulus dependencies of the gerbil brainâ€stem auditoryâ€evoked response (BAER). I: Effects of click level, rate and polarityâ€™â€™ [J. Acoust. Soc. Am. 85, 2514â€“2525 (1989)]. Journal of the Acoustical Society of America, 1993, 94, 2441-2442.	1.1	15
21	Response map properties of units in the dorsal cochlear nucleus of barbiturate-anesthetized gerbil (Meriones unguiculatus). Hearing Research, 1997, 105, 85-104.	2.0	15
22	Type III Units in the Gerbil Dorsal Cochlear Nucleus May Be Spectral Notch Detectors. Annals of Biomedical Engineering, 2001, 29, 887-896.	2.5	15
23	Neuron labeling by extracellular delivery of horseradish peroxidase in vivo: a method for studying the local circuitry of projection and interneurons at physiologically characterized sites. Journal of Neuroscience Methods, 1995, 57, 81-91.	2.5	13
24	Computational model of response maps in the dorsal cochlear nucleus. Biological Cybernetics, 2006, 95, 233-242.	1.3	13
25	Engineering and ethical constraints. Medical and Biological Engineering and Computing, 2011, 49, 1-2.	2.8	12
26	Computer simulation of shared input among projection neurons in the dorsal cochlear nucleus. Biological Cybernetics, 1996, 74, 413-425.	1.3	10
27	A comparison of N1 of the whole nerve action potential and wave i of the brainâ€stem auditory evoked response in Mongolian gerbil. Journal of the Acoustical Society of America, 1993, 93, 2069-2076.	1.1	8
28	A Modeling Study of Notch Noise Responses of Type III Units in the Gerbil Dorsal Cochlear Nucleus. Annals of Biomedical Engineering, 2006, 34, 697-708.	2.5	8
29	Simulation of the Binaural Environmental Transfer Function for Gerbils Using a Boundary Element Method. Acta Acustica United With Acustica, 2008, 94, 310-320.	0.8	7
30	Single neuron recordings in dorsal cochlear nucleus (DCN) of awake gerbil. Hearing Research, 2009, 255, 44-57.	2.0	7
31	Intrinsic Oscillations and Discharge Regularity of Units in the Dorsal Cochlear Nucleus (DCN) of the Barbiturate Anesthetized Gerbil. Annals of Biomedical Engineering, 1998, 26, 473-487.	2.5	6
32	A Modeling Study of Notch Noise Responses of Type III Units in the Gerbil Dorsal Cochlear Nucleus. Annals of Biomedical Engineering, 2006, 34, 1935-1946.	2.5	3
33	Neural modeling of the dorsal cochlear nucleus: cross-correlation analysis of short-duration tone-burst responses. Biological Cybernetics, 1994, 71, 511-521.	1.3	3
34	A two-channel action-potential generator for testing neurophysiologic data acquisition/analysis systems. Journal of Neuroscience Methods, 1995, 60, 115-123.	2.5	2
35	Computer simulation of shared input among projection neurons in the dorsal cochlear nucleus. Biological Cybernetics, 1996, 74, 413-425.	1.3	2
36	A simple device for the computer quantification of depth measurements in thick light microscope sections. Journal of Neuroscience Methods, 1987, 20, 249-260.	2.5	1

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37	Regarding Boettcher et al. (Hearing Research, 87 (1995) 208â€“219). Hearing Research, 1996, 99, 190-191.	2.0	1
38	The Rights of Scientists and Engineers. Medical and Biological Engineering and Computing, 2008, 46, 949-950.	2.8	1
39	The Cochlear Nucleus: The New Frontier. Springer Handbook of Auditory Research, 2010, , 39-63.	0.7	1
40	Effects of an improved auditory-periphery model on the response properties of modeled neurons in the Dorsal Cochlear Nucleus. , 2008, 2008, 2477-80.		0
41	Editorial comment on Malkin and Keane (2010). Medical and Biological Engineering and Computing, 2010, 48, 719-720.	2.8	0
42	Branding the bio/biomedical engineering degree. , 2011, 2011, 6515-7.		0
43	Funding Themselves and Others. Science, 1998, 280, 655-655.	12.6	0