

Herbert F Voigt

List of Publications by Year in descending order

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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	Engineering and ethical constraints. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1-2.	2.8	12
2	Branding the bio/biomedical engineering degree. , 2011, 2011, 6515-7.		0
3	Editorial comment on Malkin and Keane (2010). <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 719-720.	2.8	0
4	The Cochlear Nucleus: The New Frontier. <i>Springer Handbook of Auditory Research</i> , 2010, , 39-63.	0.7	1
5	Single neuron recordings in dorsal cochlear nucleus (DCN) of awake gerbil. <i>Hearing Research</i> , 2009, 255, 44-57.	2.0	7
6	The Rights of Scientists and Engineers. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 949-950.	2.8	1
7	Effects of an improved auditory-periphery model on the response properties of modeled neurons in the Dorsal Cochlear Nucleus. , 2008, 2008, 2477-80.		0
8	Simulation of the Binaural Environmental Transfer Function for Gerbils Using a Boundary Element Method. <i>Acta Acustica United With Acustica</i> , 2008, 94, 310-320.	0.8	7
9	A Modeling Study of Notch Noise Responses of Type III Units in the Gerbil Dorsal Cochlear Nucleus. <i>Annals of Biomedical Engineering</i> , 2006, 34, 697-708.	2.5	8
10	A Modeling Study of Notch Noise Responses of Type III Units in the Gerbil Dorsal Cochlear Nucleus. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1935-1946.	2.5	3
11	Computational model of response maps in the dorsal cochlear nucleus. <i>Biological Cybernetics</i> , 2006, 95, 233-242.	1.3	13
12	Intracellularly Labeled Fusiform Cells in Dorsal Cochlear Nucleus of the Gerbil. II. Comparison of Physiology and Anatomy. <i>Journal of Neurophysiology</i> , 2002, 87, 2520-2530.	1.8	24
13	Intracellularly Labeled Fusiform Cells in Dorsal Cochlear Nucleus of the Gerbil. I. Physiological Response Properties. <i>Journal of Neurophysiology</i> , 2002, 87, 2505-2519.	1.8	33
14	Type III Units in the Gerbil Dorsal Cochlear Nucleus May Be Spectral Notch Detectors. <i>Annals of Biomedical Engineering</i> , 2001, 29, 887-896.	2.5	15
15	Acoustic and Current-Pulse Responses of Identified Neurons in the Dorsal Cochlear Nucleus of Unanesthetized, Decerebrate Gerbils. <i>Journal of Neurophysiology</i> , 1999, 82, 3434-3457.	1.8	46
16	Wideband Inhibition of Dorsal Cochlear Nucleus Type IV Units in Cat: A Computational Model. <i>Annals of Biomedical Engineering</i> , 1999, 27, 73-87.	2.5	32
17	Intrinsic Oscillations and Discharge Regularity of Units in the Dorsal Cochlear Nucleus (DCN) of the Barbiturate Anesthetized Gerbil. <i>Annals of Biomedical Engineering</i> , 1998, 26, 473-487.	2.5	6
18	Funding Themselves and Others. <i>Science</i> , 1998, 280, 655-655.	12.6	0

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19	Response map properties of units in the dorsal cochlear nucleus of barbiturate-anesthetized gerbil (<i>Meriones unguiculatus</i>). <i>Hearing Research</i> , 1997, 105, 85-104.	2.0	15
20	Evidence of Stimulus-Dependent Correlated Activity in the Dorsal Cochlear Nucleus of Decerebrate Gerbils. <i>Journal of Neurophysiology</i> , 1997, 78, 229-247.	1.8	21
21	Intracellular Response Properties of Units in the Dorsal Cochlear Nucleus of Unanesthetized Decerebrate Gerbil. <i>Journal of Neurophysiology</i> , 1997, 77, 2549-2572.	1.8	23
22	Modeling inhibition of type II units in the dorsal cochlear nucleus. <i>Biological Cybernetics</i> , 1997, 76, 419-428.	1.3	21
23	Computer simulation of shared input among projection neurons in the dorsal cochlear nucleus. <i>Biological Cybernetics</i> , 1996, 74, 413-425.	1.3	10
24	Regarding Boettcher et al. (<i>Hearing Research</i> , 87 (1995) 208â€“219). <i>Hearing Research</i> , 1996, 99, 190-191.	2.0	1
25	Response properties of units in the dorsal cochlear nucleus of unanesthetized decerebrate gerbil. <i>Journal of Neurophysiology</i> , 1996, 75, 1411-1431.	1.8	59
26	Sound-power collection by the auditory periphery of the mongolian gerbil <i>Meriones unguiculatus</i> . II. External ear radiation impedance and power collection. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 3044-3063.	1.1	23
27	Computer simulation of shared input among projection neurons in the dorsal cochlear nucleus. <i>Biological Cybernetics</i> , 1996, 74, 413-425.	1.3	2
28	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. <i>Journal of Neuroscience Methods</i> , 1995, 57, 81-91.	2.5	13
29	A two-channel action-potential generator for testing neurophysiologic data acquisition/analysis systems. <i>Journal of Neuroscience Methods</i> , 1995, 60, 115-123.	2.5	2
30	A statistically based method to generate response maps objectively. <i>Journal of Neuroscience Methods</i> , 1995, 57, 107-118.	2.5	16
31	Neural modeling of the dorsal cochlear nucleus: cross-correlation analysis of short-duration tone-burst responses. <i>Biological Cybernetics</i> , 1994, 71, 511-521.	1.3	22
32	Neural modeling of the dorsal cochlear nucleus: cross-correlation analysis of short-duration tone-burst responses. <i>Biological Cybernetics</i> , 1994, 71, 511-521.	1.3	3
33	A comparison of N1 of the whole nerve action potential and wave i of the brainstem auditory evoked response in Mongolian gerbil. <i>Journal of the Acoustical Society of America</i> , 1993, 93, 2069-2076.	1.1	8
34	Comments on "Stimulus dependencies of the gerbil brainstem auditory evoked response (BAER). I: Effects of click level, rate and polarity" [J. Acoust. Soc. Am. 85, 2514â€“2525 (1989)]. <i>Journal of the Acoustical Society of America</i> , 1993, 94, 2441-2442.	1.1	15
35	Sound-power collection by the auditory periphery of the Mongolian gerbil <i>M<i>er<i>on<i>e<i>s<i> un<i>gu<i>ic<i>ul<i>at<i>us<i>. Journal of the Acoustical Society of America</i> , 1992, 92, 157-177.	1.1	81
36	Cross-correlation analysis of inhibitory interactions in dorsal cochlear nucleus. <i>Journal of Neurophysiology</i> , 1990, 64, 1590-1610.	1.8	112

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37	Stimulus dependencies of the gerbil brainstem auditory-evoked response (BAER). III: Additivity of click level and rate with noise level. <i>Journal of the Acoustical Society of America</i> , 1990, 88, 2222-2234.	1.1	16
38	Brainstem Auditory-Evoked Response in the Rat Normative Studies, with Observations Concerning the Effects of Ossicular Disruption. <i>International Journal of Audiology</i> , 1990, 29, 146-162.	1.7	24
39	Stimulus dependencies of the gerbil brainstem auditory-evoked response (BAER). I: Effects of click level, rate, and polarity. <i>Journal of the Acoustical Society of America</i> , 1989, 85, 2514-2525.	1.1	62
40	Stimulus dependencies of the gerbil brainstem auditory-evoked response (BAER). II: Effects of broadband noise level and high-pass masker cutoff frequency across click polarity. <i>Journal of the Acoustical Society of America</i> , 1989, 85, 2526-2536.	1.1	15
41	A simple device for the computer quantification of depth measurements in thick light microscope sections. <i>Journal of Neuroscience Methods</i> , 1987, 20, 249-260.	2.5	1
42	Representation of whispered vowels in discharge patterns of auditory-nerve fibers. <i>Hearing Research</i> , 1982, 8, 49-58.	2.0	37
43	Response properties of type II and type III units in dorsal cochlear nucleus. <i>Hearing Research</i> , 1982, 6, 153-169.	2.0	139