

R Michael Burger

List of Publications by Year in descending order

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28
papers

942
citations

516561

16
h-index

552653

26
g-index

28
all docs

28
docs citations

28
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Inactivation of the Dorsal Nucleus of the Lateral Lemniscus Reveals Its Role in the Processing of Multiple Sound Sources in the Inferior Colliculus of Bats. <i>Journal of Neuroscience</i> , 2001, 21, 4830-4843.	1.7	108
2	Dissecting the circuitry of the auditory system. <i>Trends in Neurosciences</i> , 2003, 26, 33-39.	4.2	102
3	Avian superior olivary nucleus provides divergent inhibitory input to parallel auditory pathways. <i>Journal of Comparative Neurology</i> , 2005, 481, 6-18.	0.9	100
4	Analysis of the Role of Inhibition in Shaping Responses to Sinusoidally Amplitude-Modulated Signals in the Inferior Colliculus. <i>Journal of Neurophysiology</i> , 1998, 80, 1686-1701.	0.9	92
5	Latency as a function of intensity in auditory neurons: influences of central processing. <i>Hearing Research</i> , 2000, 148, 107-123.	0.9	74
6	Roles of inhibition for transforming binaural properties in the brainstem auditory system. <i>Hearing Research</i> , 2002, 168, 60-78.	0.9	67
7	A Developmental Switch to GABAergic Inhibition Dependent on Increases in Kv1-Type K ⁺ Currents. <i>Journal of Neuroscience</i> , 2007, 27, 2112-2123.	1.7	54
8	Inhibition in the balance: binaurally coupled inhibitory feedback in sound localization circuitry. <i>Journal of Neurophysiology</i> , 2011, 106, 4-14.	0.9	41
9	GABAergic Inhibition Sharpens the Frequency Tuning and Enhances Phase Locking in Chicken Nucleus Magnocellularis Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 12075-12083.	1.7	38
10	Modulation of synaptic input by GABA _B receptors improves coincidence detection for computation of sound location. <i>Journal of Physiology</i> , 2012, 590, 3047-3066.	1.3	34
11	GABAergic and glycinergic inhibition modulate monaural auditory response properties in the avian superior olivary nucleus. <i>Journal of Neurophysiology</i> , 2011, 105, 2405-2420.	0.9	30
12	GABAB Receptor Activation Modulates GABA _A Receptor-Mediated Inhibition in Chicken Nucleus Magnocellularis Neurons. <i>Journal of Neurophysiology</i> , 2005, 93, 1429-1438.	0.9	26
13	Physiology and anatomy of neurons in the medial superior olive of the mouse. <i>Journal of Neurophysiology</i> , 2016, 116, 2676-2688.	0.9	26
14	Tonotopic Optimization for Temporal Processing in the Cochlear Nucleus. <i>Journal of Neuroscience</i> , 2016, 36, 8500-8515.	1.7	26
15	Short-Term Synaptic Depression Is Topographically Distributed in the Cochlear Nucleus of the Chicken. <i>Journal of Neuroscience</i> , 2014, 34, 1314-1324.	1.7	24
16	Expression of GABAB receptor in the avian auditory brainstem: Ontogeny, afferent deprivation, and ultrastructure. <i>Journal of Comparative Neurology</i> , 2005, 489, 11-22.	0.9	17
17	Activity-dependent modulation of inhibitory synaptic kinetics in the cochlear nucleus. <i>Frontiers in Neural Circuits</i> , 2014, 8, 145.	1.4	16
18	The Cx43-like Connexin Protein Cx40.8 Is Differentially Localized during Fin Ontogeny and Fin Regeneration. <i>PLoS ONE</i> , 2012, 7, e31364.	1.1	14

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19	Tonotopic organization of the superior olivary nucleus in the chicken auditory brainstem. <i>Journal of Comparative Neurology</i> , 2012, 520, 1493-1508.	0.9	12
20	Slowly emerging glycinergic transmission enhances inhibition in the sound localization pathway of the avian auditory system. <i>Journal of Neurophysiology</i> , 2014, 111, 565-572.	0.9	12
21	Glycinergic transmission modulates GABAergic inhibition in the avian auditory pathway. <i>Frontiers in Neural Circuits</i> , 2014, 8, 19.	1.4	9
22	Endogenous Cholinergic Signaling Modulates Sound-Evoked Responses of the Medial Nucleus of the Trapezoid Body. <i>Journal of Neuroscience</i> , 2021, 41, 674-688.	1.7	7
23	Multiple Sources of Cholinergic Input to the Superior Olivary Complex. <i>Frontiers in Neural Circuits</i> , 2021, 15, 715369.	1.4	5
24	Territorial vocalization in sympatric damselfish: acoustic characteristics and intruder discrimination. <i>Bioacoustics</i> , 2018, 27, 87-102.	0.7	4
25	Inhibitory synaptic release properties are topographically distributed in auditory circuitry. <i>Journal of Physiology</i> , 2012, 590, 3639-3640.	1.3	2
26	Editorial: Inhibitory function in auditory processing. <i>Frontiers in Neural Circuits</i> , 2015, 9, 45.	1.4	2
27	Development and Function of Inhibitory Circuitry in the Avian Auditory Brainstem. <i>Springer Handbook of Auditory Research</i> , 2017, , 109-131.	0.3	0
28	Nucleus Laminaris. , 2017, , 425-436.		0