Ruili Xie

List of Publications by Year in descending order

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21 papers	558 citations	687363 13 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	377 citing authors

#	Article	IF	Citations
1	Rethinking Tuning:In VivoWhole-Cell Recordings of the Inferior Colliculus in Awake Bats. Journal of Neuroscience, 2007, 27, 9469-9481.	3.6	78
2	The dominance of inhibition in the inferior colliculus. Hearing Research, 2011, 274, 27-39.	2.0	57
3	Target-Specific IPSC Kinetics Promote Temporal Processing in Auditory Parallel Pathways. Journal of Neuroscience, 2013, 33, 1598-1614.	3.6	55
4	Differing Roles of Inhibition in Hierarchical Processing of Species-Specific Calls in Auditory Brainstem Nuclei. Journal of Neurophysiology, 2005, 94, 4019-4037.	1.8	49
5	Whole cell recordings of intrinsic properties and sound-evoked responses from the inferior colliculus. Neuroscience, 2008, 154, 245-256.	2.3	42
6	Inhibitory projections from the ventral nucleus of the lateral lemniscus and superior paraolivary nucleus create directional selectivity of frequency modulations in the inferior colliculus: A comparison of bats with other mammals. Hearing Research, 2011, 273, 134-144.	2.0	40
7	Synaptic transmission at the endbulb of Held deteriorates during ageâ€related hearing loss. Journal of Physiology, 2017, 595, 919-934.	2.9	30
8	Transmission of auditory sensory information decreases in rate and temporal precision at the endbulb of Held synapse during age-related hearing loss. Journal of Neurophysiology, 2016, 116, 2695-2705.	1.8	28
9	Biased auditory nerve central synaptopathy is associated with ageâ€related hearing loss. Journal of Physiology, 2021, 599, 1833-1854.	2.9	25
10	Glycinergic synaptic transmission in the cochlear nucleus of mice with normal hearing and age-related hearing loss. Journal of Neurophysiology, 2013, 110, 1848-1859.	1.8	24
11	GABAergic and glycinergic inhibitory synaptic transmission in the ventral cochlear nucleus studied in VGAT channelrhodopsin-2 mice. Frontiers in Neural Circuits, 2014, 8, 84.	2.8	24
12	Radiate and Planar Multipolar Neurons of the Mouse Anteroventral Cochlear Nucleus: Intrinsic Excitability and Characterization of their Auditory Nerve Input. Frontiers in Neural Circuits, 2017, 11, 77.	2.8	20
13	HMW glutenin subunits in multiploidAegilops species: composition analysis and molecular cloning of coding sequences. Science Bulletin, 2001, 46, 309-313.	1.7	15
14	The Endbulbs of Held. Springer Handbook of Auditory Research, 2012, , 61-93.	0.7	14
15	Age-Related Hearing Loss Is Accompanied by Chronic Inflammation in the Cochlea and the Cochlear Nucleus. Frontiers in Aging Neuroscience, 2022, 14, 846804.	3.4	13
16	Principal Neurons in the Anteroventral Cochlear Nucleus Express Cell-Type Specific Glycine Receptor Î± Subunits. Neuroscience, 2019, 415, 77-88.	2.3	10
17	Classification of neurons in the adult mouse cochlear nucleus: Linear discriminant analysis. PLoS ONE, 2019, 14, e0223137.	2.5	9
18	Hearing loss alters quantal release at cochlear nucleus stellate cells. Laryngoscope, 2010, 120, 2047-2053.	2.0	6

#	Article	IF	Citations
19	D-Stellate Neurons of the Ventral Cochlear Nucleus Decrease in Auditory Nerve-Evoked Activity during Age-Related Hearing Loss. Brain Sciences, 2019, 9, 302.	2.3	6
20	A neuronal wiring platform through microridges for rationally engineered neural circuits. APL Bioengineering, 2020, 4, 046106.	6.2	6
21	Calretinin-Expressing Synapses Show Improved Synaptic Efficacy with Reduced Asynchronous Release during High-Rate Activity. Journal of Neuroscience, 2022, 42, 2729-2742.	3.6	5