Wen-Jie Song

List of Publications by Year
in descending order

54 papers	2,276 citations	257450 24 h-index	214800 47 g-index
56 all docs	56 docs citations	56 times ranked	2791 citing authors

#	Article	IF	Citations
1	Postnatal development of subfields in the core region of the mouse auditory cortex. Hearing Research, 2021, 400, 108138.	2.0	1
2	Region-dependent millisecond time-scale sensitivity in spectrotemporal integrations in guinea pig primary auditory cortex. Neuroscience, 2021, 480, 229-229.	2.3	1
3	Differential cortical and subcortical projection targets of subfields in the core region of mouse auditory cortex. Hearing Research, 2020, 386, 107876.	2.0	15
4	Dynamic changes of timing precision in timed actions during a behavioural task in guinea pigs. Scientific Reports, 2020, 10, 20079.	3.3	0
5	Tsukushi is essential for the development of the inner ear. Molecular Brain, 2020, 13, 29.	2.6	14
6	Cue-dependent safety and fear learning in a discriminative auditory fear conditioning paradigm in the mouse. Learning and Memory, 2019, 26, 284-290.	1.3	8
7	Mice deficient in protein tyrosine phosphatase receptor type Z (PTPRZ) show reduced responsivity to methamphetamine despite an enhanced response to novelty. PLoS ONE, 2019, 14, e0221205.	2.5	1
8	A novel role of the antitumor agent tricyclodecan-9-yl-xanthogenate as an open channel blocker of KCNQ1/KCNE1. European Journal of Pharmacology, 2018, 824, 99-107.	3.5	2
9	Organization of auditory areas in the superior temporal gyrus of marmoset monkeys revealed by real-time optical imaging. Brain Structure and Function, 2018, 223, 1599-1614.	2.3	17
10	Comparison of the Upper Marginal Neurons of Cortical Layer 2 with Layer 2/3 Pyramidal Neurons in Mouse Temporal Cortex. Frontiers in Neuroanatomy, 2017, 11, 115.	1.7	28
11	Regulation of membrane KCNQ1/KCNE1 channel density by sphingomyelin synthase 1. American Journal of Physiology - Cell Physiology, 2016, 311, C15-C23.	4.6	6
12	Identification of the somatosensory parietal ventral area and overlap of the somatosensory and auditory cortices in mice. Neuroscience Research, 2015, 99, 55-61.	1.9	9
13	The insular auditory field receives input from the lemniscal subdivision of the auditory thalamus in mice. Journal of Comparative Neurology, 2014, 522, 1373-1389.	1.6	31
14	Greenwood frequencyâ€“position relationship in the primary auditory cortex in guinea pigs. NeuroImage, 2014, 89, 181-191.	4.2	7
15	Deficiency of sphingomyelin synthaseâ€1 but not sphingomyelin synthaseâ€2 causes hearing impairments in mice. Journal of Physiology, 2012, 590, 4029-4044.	2.9	28
16	Temporal Sequence of Visuo-Auditory Interaction in Multiple Areas of the Guinea Pig Visual Cortex. PLoS ONE, 2012, 7, e46339.	2.5	6
17	Voltage-gated K+ channel KCNQ1 regulates insulin secretion in MIN6 Î²-cell line. Biochemical and Biophysical Research Communications, 2011, 407, 620-625.	2.1	72
18	A train of electrical pulses applied to the primary auditory cortex evokes a conditioned response in guinea pigs. Neuroscience Research, 2011, 71, 103-106.	1.9	4

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19	Identification and characterization of an insular auditory field in mice. European Journal of Neuroscience, 2011, 34, 1944-1952.	2.6	40
20	Mitochondrial Dysfunction and Increased Reactive Oxygen Species Impair Insulin Secretion in Sphingomyelin Synthase 1-null Mice. Journal of Biological Chemistry, 2011, 286, 3992-4002.	3.4	129
21	Nucleocytoplasmic translocation of HDAC9 regulates gene expression and dendritic growth in developing cortical neurons. European Journal of Neuroscience, 2010, 31, 1521-1532.	2.6	75
22	Spontaneous activity resembling tone-evoked activity in the primary auditory cortex of guinea pigs. Neuroscience Research, 2010, 68, 107-113.	1.9	4
23	New Field With Tonotopic Organization in Guinea Pig Auditory Cortex. Journal of Neurophysiology, 2007, 97, 927-932.	1.8	37
24	Optical Recording of Retinal and Visual Cortical Responses Evoked by Electrical Stimulation on the Retina. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 1595-1602.	0.2	0
25	A light-emitting diode light source for imaging of neural activities with voltage-sensitive dyes. Neuroscience Research, 2006, 54, 230-234.	1.9	16
26	Cortical Intrinsic Circuits Can Support Activity Propagation through an Isofrequency Strip of the Guinea Pig Primary Auditory Cortex. Cerebral Cortex, 2006, 16, 718-729.	2.9	59
27	Nonlinear and Noisy Extension of Independent Component Analysis: Theory and Its Application to a Pitch Sensation Model. Neural Computation, 2005, 17, 115-144.	2.2	9
28	Conductance-Based Model of the Voltage-Dependent Generation of a Plateau Potential in Subthalamic Neurons. Journal of Neurophysiology, 2004, 92, 255-264.	1.8	63
29	Nigral GABAergic inhibition upon cholinergic neurons in the rat pedunculopontine tegmental nucleus. European Journal of Neuroscience, 2003, 18, 879-886.	2.6	49
30	Rundown of a transient potassium current is attributable to changes in channel voltage dependence. Synapse, 2003, 48, 57-65.	1.2	3
31	Isolation of neural activities from respiratory and heartbeat noises for in vivo optical recording in guinea pigs using independent component analysis. Neuroscience Letters, 2003, 352, 9-12.	2.1	13
32	Quantitative Relationship Between Kv4.2 mRNA and A-Type K+ Current in Rat Striatal Cholinergic Interneurons During Development. Journal of Neurophysiology, 2003, 90, 175-183.	1.8	33
33	Genes responsible for native depolarization-activated K+ currents in neurons. Neuroscience Research, 2002, 42, 7-14.	1.9	78
34	Separation of signal and noise from in vivo optical recording in Guinea pigs using independent component analysis. Neuroscience Letters, 2001, 302, 137-140.	2.1	27
35	Excitatory Postsynaptic Potentials Trigger a Plateau Potential in Rat Subthalamic Neurons at Hyperpolarized States. Journal of Neurophysiology, 2001, 86, 1816-1825.	1.8	56
36	Quantification of mRNAs Expressed in a Single Neuron. Seibutsu Butsuri, 2001, 41, 309-311.	0.1	1

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37	Unique Properties of R-Type Calcium Currents in Neocortical and Neostriatal Neurons. Journal of Neurophysiology, 2000, 84, 2225-2236.	1.8	69
38	Characterization of Ca2+ Channels in Rat Subthalamic Nucleus Neurons. Journal of Neurophysiology, 2000, 84, 2630-2637.	1.8	63
39	Adenosine Receptor Expression and Modulation of Ca2+Channels in Rat Striatal Cholinergic Interneurons. Journal of Neurophysiology, 2000, 83, 322-332.	1.8	55
40	Properties of Q-Type Calcium Channels in Neostriatal and Cortical Neurons are Correlated with Î² Subunit Expression. Journal of Neuroscience, 1999, 19, 7268-7277.	3.6	62
41	Development of Functional Topography in the Corticorubral Projection: An<i>In Vivo</i>Assessment Using Synaptic Potentials Recorded from Fetal and Newborn Cats. Journal of Neuroscience, 1998, 18, 9354-9364.	3.6	6
42	Coordinated Expression of Dopamine Receptors in Neostriatal Medium Spiny Neurons. Advances in Pharmacology, 1997, 42, 1020-1023.	2.0	24
43	Preferential Termination of Corticorubral Axons on Spine-Like Dendritic Protrusions in Developing Cat. Journal of Neuroscience, 1997, 17, 8792-8803.	3.6	34
44	D₂Dopamine Receptors Reduce N-Type Ca²⁺Currents in Rat Neostriatal Cholinergic Interneurons Through a Membrane-Delimited, Protein-Kinase-C-Insensitive Pathway. Journal of Neurophysiology, 1997, 77, 1003-1015.	1.8	241
45	Coordinated Expression of Dopamine Receptors in Neostriatal Medium Spiny Neurons. Journal of Neuroscience, 1996, 16, 6579-6591.	3.6	676
46	Morphology of Individual Axons in Crossed Corticorubral Projections in Developing Cats and Effects of Partial Denervation. Developmental Neuroscience, 1996, 18, 162-173.	2.0	0
47	Prenatal development of cerebrorubral and cerebellorubral projections in cats. Neuroscience Letters, 1995, 200, 41-44.	2.1	4
48	An electrophysiological study of a transient ipsilateral interpositorubral projection in neonatal cats. Experimental Brain Research, 1993, 92, 399-406.	1.5	8
49	Segregation of cerebrorubral and cerebellorubral synaptic inputs on rubrospinal neurons of fetal cats as demonstrated by intracellular recording. Neuroscience Letters, 1993, 159, 99-102.	2.1	5
50	Developing corticorubral axons of the cat form synapses on filopodial dendritic protrusions. Neuroscience Letters, 1992, 147, 81-84.	2.1	33
51	Plasticity of neuronal connections in developing brains of mammals. Neuroscience Research, 1992, 15, 235-253.	1.9	35
52	Formation of crossed and uncrossed projections in the central nervous system. Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society, 1990, 13, S37-S42.	0.0	1
53	Ipsilateral interpositorubral projection in the kitten and its relation to post-hemicerebellectomy plasticity. Developmental Brain Research, 1990, 56, 75-85.	1.7	14
54	Climbing fibers are labelled after injection of PHA-L into the nucleus interpositus of the cat. Brain Research, 1988, 463, 144-147.	2.2	4