

# Wen-Jie Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8574131/publications.pdf>

Version: 2024-02-01

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	Coordinated Expression of Dopamine Receptors in Neostriatal Medium Spiny Neurons. <i>Journal of Neuroscience</i> , 1996, 16, 6579-6591.	3.6	676
2	Dopamine Receptors Reduce N-Type Ca <sup>2+</sup> Currents in Rat Neostriatal Cholinergic Interneurons Through a Membrane-Delimited, Protein-Kinase-C-Insensitive Pathway. <i>Journal of Neurophysiology</i> , 1997, 77, 1003-1015.	1.8	241
3	Mitochondrial Dysfunction and Increased Reactive Oxygen Species Impair Insulin Secretion in Sphingomyelin Synthase 1-null Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 3992-4002.	3.4	129
4	Genes responsible for native depolarization-activated K <sup>+</sup> currents in neurons. <i>Neuroscience Research</i> , 2002, 42, 7-14.	1.9	78
5	Nucleocytoplasmic translocation of HDAC9 regulates gene expression and dendritic growth in developing cortical neurons. <i>European Journal of Neuroscience</i> , 2010, 31, 1521-1532.	2.6	75
6	Voltage-gated K <sup>+</sup> channel KCNQ1 regulates insulin secretion in MIN6 $\beta$ -cell line. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 620-625.	2.1	72
7	Unique Properties of R-Type Calcium Currents in Neocortical and Neostriatal Neurons. <i>Journal of Neurophysiology</i> , 2000, 84, 2225-2236.	1.8	69
8	Characterization of Ca <sup>2+</sup> Channels in Rat Subthalamic Nucleus Neurons. <i>Journal of Neurophysiology</i> , 2000, 84, 2630-2637.	1.8	63
9	Conductance-Based Model of the Voltage-Dependent Generation of a Plateau Potential in Subthalamic Neurons. <i>Journal of Neurophysiology</i> , 2004, 92, 255-264.	1.8	63
10	Properties of Q-Type Calcium Channels in Neostriatal and Cortical Neurons are Correlated with $\hat{I}^2$ Subunit Expression. <i>Journal of Neuroscience</i> , 1999, 19, 7268-7277.	3.6	62
11	Cortical Intrinsic Circuits Can Support Activity Propagation through an Isofrequency Strip of the Guinea Pig Primary Auditory Cortex. <i>Cerebral Cortex</i> , 2006, 16, 718-729.	2.9	59
12	Excitatory Postsynaptic Potentials Trigger a Plateau Potential in Rat Subthalamic Neurons at Hyperpolarized States. <i>Journal of Neurophysiology</i> , 2001, 86, 1816-1825.	1.8	56
13	Adenosine Receptor Expression and Modulation of Ca <sup>2+</sup> -Channels in Rat Striatal Cholinergic Interneurons. <i>Journal of Neurophysiology</i> , 2000, 83, 322-332.	1.8	55
14	Nigral GABAergic inhibition upon cholinergic neurons in the rat pedunclopontine tegmental nucleus. <i>European Journal of Neuroscience</i> , 2003, 18, 879-886.	2.6	49
15	Identification and characterization of an insular auditory field in mice. <i>European Journal of Neuroscience</i> , 2011, 34, 1944-1952.	2.6	40
16	New Field With Tonotopic Organization in Guinea Pig Auditory Cortex. <i>Journal of Neurophysiology</i> , 2007, 97, 927-932.	1.8	37
17	Plasticity of neuronal connections in developing brains of mammals. <i>Neuroscience Research</i> , 1992, 15, 235-253.	1.9	35
18	Preferential Termination of Corticorubral Axons on Spine-Like Dendritic Protrusions in Developing Cat. <i>Journal of Neuroscience</i> , 1997, 17, 8792-8803.	3.6	34

#	ARTICLE	IF	CITATIONS
19	Developing corticorubral axons of the cat form synapses on filopodial dendritic protrusions. <i>Neuroscience Letters</i> , 1992, 147, 81-84.	2.1	33
20	Quantitative Relationship Between Kv4.2 mRNA and A-Type K <sup>+</sup> Current in Rat Striatal Cholinergic Interneurons During Development. <i>Journal of Neurophysiology</i> , 2003, 90, 175-183.	1.8	33
21	The insular auditory field receives input from the lemniscal subdivision of the auditory thalamus in mice. <i>Journal of Comparative Neurology</i> , 2014, 522, 1373-1389.	1.6	31
22	Deficiency of sphingomyelin synthase <sup>1</sup> but not sphingomyelin synthase <sup>2</sup> causes hearing impairments in mice. <i>Journal of Physiology</i> , 2012, 590, 4029-4044.	2.9	28
23	Comparison of the Upper Marginal Neurons of Cortical Layer 2 with Layer 2/3 Pyramidal Neurons in Mouse Temporal Cortex. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 115.	1.7	28
24	Separation of signal and noise from in vivo optical recording in Guinea pigs using independent component analysis. <i>Neuroscience Letters</i> , 2001, 302, 137-140.	2.1	27
25	Coordinated Expression of Dopamine Receptors in Neostriatal Medium Spiny Neurons. <i>Advances in Pharmacology</i> , 1997, 42, 1020-1023.	2.0	24
26	Organization of auditory areas in the superior temporal gyrus of marmoset monkeys revealed by real-time optical imaging. <i>Brain Structure and Function</i> , 2018, 223, 1599-1614.	2.3	17
27	A light-emitting diode light source for imaging of neural activities with voltage-sensitive dyes. <i>Neuroscience Research</i> , 2006, 54, 230-234.	1.9	16
28	Differential cortical and subcortical projection targets of subfields in the core region of mouse auditory cortex. <i>Hearing Research</i> , 2020, 386, 107876.	2.0	15
29	Ipsilateral interpositorubral projection in the kitten and its relation to post-hemicerebellectomy plasticity. <i>Developmental Brain Research</i> , 1990, 56, 75-85.	1.7	14
30	Tsukushi is essential for the development of the inner ear. <i>Molecular Brain</i> , 2020, 13, 29.	2.6	14
31	Isolation of neural activities from respiratory and heartbeat noises for in vivo optical recording in guinea pigs using independent component analysis. <i>Neuroscience Letters</i> , 2003, 352, 9-12.	2.1	13
32	Nonlinear and Noisy Extension of Independent Component Analysis: Theory and Its Application to a Pitch Sensation Model. <i>Neural Computation</i> , 2005, 17, 115-144.	2.2	9
33	Identification of the somatosensory parietal ventral area and overlap of the somatosensory and auditory cortices in mice. <i>Neuroscience Research</i> , 2015, 99, 55-61.	1.9	9
34	An electrophysiological study of a transient ipsilateral interpositorubral projection in neonatal cats. <i>Experimental Brain Research</i> , 1993, 92, 399-406.	1.5	8
35	Cue-dependent safety and fear learning in a discriminative auditory fear conditioning paradigm in the mouse. <i>Learning and Memory</i> , 2019, 26, 284-290.	1.3	8
36	Greenwood frequency-position relationship in the primary auditory cortex in guinea pigs. <i>NeuroImage</i> , 2014, 89, 181-191.	4.2	7

#	ARTICLE	IF	CITATIONS
37	Development of Functional Topography in the Corticorubral Projection: An <i>In Vivo</i> Assessment Using Synaptic Potentials Recorded from Fetal and Newborn Cats. <i>Journal of Neuroscience</i> , 1998, 18, 9354-9364.	3.6	6
38	Regulation of membrane KCNQ1/KCNE1 channel density by sphingomyelin synthase 1. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C15-C23.	4.6	6
39	Temporal Sequence of Visuo-Auditory Interaction in Multiple Areas of the Guinea Pig Visual Cortex. <i>PLoS ONE</i> , 2012, 7, e46339.	2.5	6
40	Segregation of cerebrorubral and cerebellorubral synaptic inputs on rubrospinal neurons of fetal cats as demonstrated by intracellular recording. <i>Neuroscience Letters</i> , 1993, 159, 99-102.	2.1	5
41	Climbing fibers are labelled after injection of PHA-L into the nucleus interpositus of the cat. <i>Brain Research</i> , 1988, 463, 144-147.	2.2	4
42	Prenatal development of cerebrorubral and cerebellorubral projections in cats. <i>Neuroscience Letters</i> , 1995, 200, 41-44.	2.1	4
43	Spontaneous activity resembling tone-evoked activity in the primary auditory cortex of guinea pigs. <i>Neuroscience Research</i> , 2010, 68, 107-113.	1.9	4
44	A train of electrical pulses applied to the primary auditory cortex evokes a conditioned response in guinea pigs. <i>Neuroscience Research</i> , 2011, 71, 103-106.	1.9	4
45	Rundown of a transient potassium current is attributable to changes in channel voltage dependence. <i>Synapse</i> , 2003, 48, 57-65.	1.2	3
46	A novel role of the antitumor agent tricyclodecan-9-yl-xanthogenate as an open channel blocker of KCNQ1/KCNE1. <i>European Journal of Pharmacology</i> , 2018, 824, 99-107.	3.5	2
47	Formation of crossed and uncrossed projections in the central nervous system. <i>Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society</i> , 1990, 13, S37-S42.	0.0	1
48	Mice deficient in protein tyrosine phosphatase receptor type Z (PTPRZ) show reduced responsivity to methamphetamine despite an enhanced response to novelty. <i>PLoS ONE</i> , 2019, 14, e0221205.	2.5	1
49	Postnatal development of subfields in the core region of the mouse auditory cortex. <i>Hearing Research</i> , 2021, 400, 108138.	2.0	1
50	Quantification of mRNAs Expressed in a Single Neuron. <i>Seibutsu Butsuri</i> , 2001, 41, 309-311.	0.1	1
51	Region-dependent millisecond time-scale sensitivity in spectrotemporal integrations in guinea pig primary auditory cortex. <i>Neuroscience</i> , 2021, 480, 229-229.	2.3	1
52	Morphology of Individual Axons in Crossed Corticorubral Projections in Developing Cats and Effects of Partial Denervation. <i>Developmental Neuroscience</i> , 1996, 18, 162-173.	2.0	0
53	Dynamic changes of timing precision in timed actions during a behavioural task in guinea pigs. <i>Scientific Reports</i> , 2020, 10, 20079.	3.3	0
54	Optical Recording of Retinal and Visual Cortical Responses Evoked by Electrical Stimulation on the Retina. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 1595-1602.	0.2	0