

Weizhe Hong

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,263
citations

304368

22
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

4164
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Circuit Mechanisms of Social Behavior. <i>Neuron</i> , 2018, 98, 16-30.	3.8	353
2	Detecting Activated Cell Populations Using Single-Cell RNA-Seq. <i>Neuron</i> , 2017, 96, 313-329.e6.	3.8	330
3	Antagonistic Control of Social versus Repetitive Self-Grooming Behaviors by Separable Amygdala Neuronal Subsets. <i>Cell</i> , 2014, 158, 1348-1361.	13.5	310
4	Automated measurement of mouse social behaviors using depth sensing, video tracking, and machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5351-60.	3.3	248
5	Teneurins instruct synaptic partner matching in an olfactory map. <i>Nature</i> , 2012, 484, 201-207.	13.7	217
6	Correlated Neural Activity and Encoding of Behavior across Brains of Socially Interacting Animals. <i>Cell</i> , 2019, 178, 429-446.e16.	13.5	209
7	Trans-synaptic Teneurin signalling in neuromuscular synapse organization and target choice. <i>Nature</i> , 2012, 484, 237-241.	13.7	195
8	Prion-like transmission of neuronal huntingtin aggregates to phagocytic glia in the <i>Drosophila</i> brain. <i>Nature Communications</i> , 2015, 6, 6768.	5.8	139
9	Role of Leucine-Rich Repeat Proteins in the Development and Function of Neural Circuits. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 697-729.	4.0	133
10	Periplasmic Protein HdeA Exhibits Chaperone-like Activity Exclusively within Stomach pH Range by Transforming into Disordered Conformation. <i>Journal of Biological Chemistry</i> , 2005, 280, 27029-27034.	1.6	121
11	Sexually Dimorphic Control of Parenting Behavior by the Medial Amygdala. <i>Cell</i> , 2019, 176, 1206-1221.e18.	13.5	117
12	Leucine-rich repeat transmembrane proteins instruct discrete dendrite targeting in an olfactory map. <i>Nature Neuroscience</i> , 2009, 12, 1542-1550.	7.1	103
13	Genetic Control of Wiring Specificity in the Fly Olfactory System. <i>Genetics</i> , 2014, 196, 17-29.	1.2	98
14	Chaperone-dependent mechanisms for acid resistance in enteric bacteria. <i>Trends in Microbiology</i> , 2012, 20, 328-335.	3.5	96
15	An amygdala-to-hypothalamus circuit for social reward. <i>Nature Neuroscience</i> , 2021, 24, 831-842.	7.1	88
16	Toll Receptors Instruct Axon and Dendrite Targeting and Participate in Synaptic Partner Matching in a <i>Drosophila</i> Olfactory Circuit. <i>Neuron</i> , 2015, 85, 1013-1028.	3.8	85
17	A Multi-Brain Framework for Social Interaction. <i>Trends in Neurosciences</i> , 2020, 43, 651-666.	4.2	78
18	Neural control of affiliative touch in prosocial interaction. <i>Nature</i> , 2021, 599, 262-267.	13.7	67

#	ARTICLE	IF	CITATIONS
19	Organization of neural circuits underlying social behavior: A consideration of the medial amygdala. <i>Current Opinion in Neurobiology</i> , 2021, 68, 124-136.	2.0	59
20	Cortical Representations of Conspecific Sex Shape Social Behavior. <i>Neuron</i> , 2020, 107, 941-953.e7.	3.8	55
21	Conserved amphiphilic feature is essential for periplasmic chaperone HdeA to support acid resistance in enteric bacteria. <i>Biochemical Journal</i> , 2008, 412, 389-397.	1.7	32
22	Periplasmic proteins of <i>Escherichia coli</i> are highly resistant to aggregation: reappraisal for roles of molecular chaperones in periplasm. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 795-801.	1.0	31
23	Neural basis of prosocial behavior. <i>Trends in Neurosciences</i> , 2022, 45, 749-762.	4.2	24
24	The dramatically increased chaperone activity of small heat-shock protein IbpB is retained for an extended period of time after the stress condition is removed. <i>Biochemical Journal</i> , 2008, 410, 63-70.	1.7	21
25	The SH3-like Domain Switches Its Interaction Partners to Modulate the Repression Activity of Mycobacterial Iron-dependent Transcription Regulator in Response to Metal Ion Fluctuations. <i>Journal of Biological Chemistry</i> , 2008, 283, 2439-2453.	1.6	13
26	Optogenetic Activation of $\hat{\nu}^2$ -Endorphin Terminals in the Medial Preoptic Nucleus Regulates Female Sexual Receptivity. <i>ENeuro</i> , 2020, 7, ENEURO.0315-19.2019.	0.9	13
27	Posterodorsal Medial Amygdala Regulation of Female Social Behavior: GABA versus Glutamate Projections. <i>Journal of Neuroscience</i> , 2021, 41, 8790-8800.	1.7	12
28	Unveiling the Pathogenesis of Psychiatric Disorders Using Network Models. <i>Genes</i> , 2021, 12, 1101.	1.0	10
29	Dendritic tiling through TOR signalling. <i>EMBO Journal</i> , 2009, 28, 3783-3784.	3.5	3
30	Assembly of a Neural Circuit. <i>Science</i> , 2013, 342, 1186-1186.	6.0	1