

Zhong-Wu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

5,588
citations

257450

24
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

7090
citing authors

#	ARTICLE	IF	CITATIONS
1	The steroid hormone estriol (E3) regulates epigenetic programming of fetal mouse brain and reproductive tract. <i>BMC Biology</i> , 2022, 20, 93.	3.8	7
2	AgRP neurons control feeding behaviour at cortical synapses via peripherally derived lysophospholipids. <i>Nature Metabolism</i> , 2022, 4, 683-692.	11.9	10
3	Drp1 is required for AgRP neuronal activity and feeding. <i>ELife</i> , 2021, 10, .	6.0	13
4	Hunger-promoting AgRP neurons trigger an astrocyte-mediated feed-forward autoactivation loop in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	38
5	MC4R Signaling in Dorsal Raphe Nucleus Controls Feeding, Anxiety, and Depression. <i>Cell Reports</i> , 2020, 33, 108267.	6.4	34
6	Impaired hypocretin/orexin system alters responses to salient stimuli in obese male mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 4985-4998.	8.2	21
7	Dopamine neuronal protection in the mouse Substantia nigra by GHSR is independent of electric activity. <i>Molecular Metabolism</i> , 2019, 24, 120-138.	6.5	7
8	Endometriosis alters brain electrophysiology, gene expression and increases pain sensitization, anxiety, and depression in female mice. <i>Biology of Reproduction</i> , 2018, 99, 349-359.	2.7	66
9	The 7q11.23 Protein DNAJC30 Interacts with ATP Synthase and Links Mitochondria to Brain Development. <i>Cell</i> , 2018, 175, 1088-1104.e23.	28.9	46
10	A Neural Circuit for Gut-Induced Reward. <i>Cell</i> , 2018, 175, 665-678.e23.	28.9	436
11	DRP1 Suppresses Leptin and Glucose Sensing of POMC Neurons. <i>Cell Metabolism</i> , 2017, 25, 647-660.	16.2	84
12	Plasticity of calcium-permeable AMPA glutamate receptors in Pro-opiomelanocortin neurons. <i>ELife</i> , 2017, 6, .	6.0	19
13	UCP2 Regulates Mitochondrial Fission and Ventromedial Nucleus Control of Glucose Responsiveness. <i>Cell</i> , 2016, 164, 872-883.	28.9	136
14	O-GlcNAc Transferase Enables AgRP Neurons to Suppress Browning of White Fat. <i>Cell</i> , 2014, 159, 306-317.	28.9	233
15	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. <i>Nature Neuroscience</i> , 2014, 17, 908-910.	14.8	268
16	Mitochondrial Dynamics Controlled by Mitofusins Regulate AgRP Neuronal Activity and Diet-Induced Obesity. <i>Cell</i> , 2013, 155, 188-199.	28.9	249
17	Repeated <i>in vivo</i> exposure of cocaine induces long-lasting synaptic plasticity in hypocretin/orexin-producing neurons in the lateral hypothalamus in mice. <i>Journal of Physiology</i> , 2013, 591, 1951-1966.	2.9	43
18	AgRP neurons regulate development of dopamine neuronal plasticity and nonfood-associated behaviors. <i>Nature Neuroscience</i> , 2012, 15, 1108-1110.	14.8	136

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19	Leptin regulates glutamate and glucose transporters in hypothalamic astrocytes. <i>Journal of Clinical Investigation</i> , 2012, 122, 3900-3913.	8.2	168
20	Peroxisome proliferation-associated control of reactive oxygen species sets melanocortin tone and feeding in diet-induced obesity. <i>Nature Medicine</i> , 2011, 17, 1121-1127.	30.7	239
21	Intracellular energy status regulates activity in hypocretin/orexin neurons: a link between energy and behavioural states. <i>Journal of Physiology</i> , 2011, 589, 4157-4166.	2.9	43
22	Direct Evidence for Wake-Related Increases and Sleep-Related Decreases in Synaptic Strength in Rodent Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 8671-8675.	3.6	197
23	Corticosterone Regulates Synaptic Input Organization of POMC and NPY/AgRP Neurons in Adult Mice. <i>Endocrinology</i> , 2010, 151, 5395-5402.	2.8	74
24	AgRP Neurons Mediate Sirt1's Action on the Melanocortin System and Energy Balance: Roles for Sirt1 in Neuronal Firing and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2010, 30, 11815-11825.	3.6	194
25	Ghrelin Promotes and Protects Nigrostriatal Dopamine Function via a UCP2-Dependent Mitochondrial Mechanism. <i>Journal of Neuroscience</i> , 2009, 29, 14057-14065.	3.6	245
26	A Serotonin-Dependent Mechanism Explains the Leptin Regulation of Bone Mass, Appetite, and Energy Expenditure. <i>Cell</i> , 2009, 138, 976-989.	28.9	565
27	UCP2 mediates ghrelin's action on NPY/AgRP neurons by lowering free radicals. <i>Nature</i> , 2008, 454, 846-851.	27.8	633
28	Adenosine Inhibits Activity of Hypocretin/Orexin Neurons by the A1 Receptor in the Lateral Hypothalamus: A Possible Sleep-Promoting Effect. <i>Journal of Neurophysiology</i> , 2007, 97, 837-848.	1.8	174
29	A Central Thermogenic-like Mechanism in Feeding Regulation: An Interplay between Arcuate Nucleus T3 and UCP2. <i>Cell Metabolism</i> , 2007, 5, 21-33.	16.2	264
30	Prolonged wakefulness induces experience-dependent synaptic plasticity in mouse hypocretin/orexin neurons. <i>Journal of Clinical Investigation</i> , 2007, 117, 4022-4033.	8.2	103
31	Ghrelin modulates the activity and synaptic input organization of midbrain dopamine neurons while promoting appetite. <i>Journal of Clinical Investigation</i> , 2006, 116, 3229-3239.	8.2	836