

Weikang Cai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/305207/publications.pdf>

Version: 2024-02-01

18
papers

1,169
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2058
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin action in the brain: cell types, circuits, and diseases. Trends in Neurosciences, 2022, 45, 384-400.	8.6	29
2	Insulin Signaling Suppresses Autophagy in Astrocytes. FASEB Journal, 2022, 36, .	0.5	0
3	Distinct signaling by insulin and IGF-1 receptors and their extra- and intracellular domains. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	41
4	Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens. Diabetes, 2021, 70, 1857-1873.	0.6	21
5	Deconstructing the origins of sexual dimorphism in sensory modulation of pancreatic β cells. Molecular Metabolism, 2021, 53, 101260.	6.5	10
6	Muscle-Specific Insulin Receptor Overexpression Protects Mice From Diet-Induced Glucose Intolerance but Leads to Postreceptor Insulin Resistance. Diabetes, 2020, 69, 2294-2309.	0.6	11
7	Arrestin domain-containing 3 (Arrdc3) modulates insulin action and glucose metabolism in liver. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6733-6740.	7.1	35
8	Single-cell transcriptional networks in differentiating preadipocytes suggest drivers associated with tissue heterogeneity. Nature Communications, 2020, 11, 2117.	12.8	37
9	Role of p110a subunit of PI3-kinase in skeletal muscle mitochondrial homeostasis and metabolism. Nature Communications, 2019, 10, 3412.	12.8	19
10	Insulin action in the brain regulates mitochondrial stress responses and reduces diet-induced weight gain. Molecular Metabolism, 2019, 21, 68-81.	6.5	41
11	Regulation of UCP1 and Mitochondrial Metabolism in Brown Adipose Tissue by Reversible Succinylation. Molecular Cell, 2019, 74, 844-857.e7.	9.7	123
12	Multi-dimensional Transcriptional Remodeling by Physiological Insulin In Vivo. Cell Reports, 2019, 26, 3429-3443.e3.	6.4	62
13	Membrane metallo-endopeptidase (Neprilysin) regulates inflammatory response and insulin signaling in white preadipocytes. Molecular Metabolism, 2019, 22, 21-36.	6.5	15
14	Insulin signaling in the hippocampus and amygdala regulates metabolism and neurobehavior. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6379-6384.	7.1	138
15	TRPV1 neurons regulate β -cell function in a sex-dependent manner. Molecular Metabolism, 2018, 18, 60-67.	6.5	24
16	Insulin regulates astrocyte gliotransmission and modulates behavior. Journal of Clinical Investigation, 2018, 128, 2914-2926.	8.2	138
17	Domain-dependent effects of insulin and IGF-1 receptors on signalling and gene expression. Nature Communications, 2017, 8, 14892.	12.8	111
18	Insulin resistance in brain alters dopamine turnover and causes behavioral disorders. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3463-3468.	7.1	314