

# 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 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
2	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
3	Insulin regulates astrocyte gliotransmission and modulates behavior. Journal of Clinical Investigation, 2018, 128, 2914-2926.	8.2	138
4	Regulation of UCP1 and Mitochondrial Metabolism in Brown Adipose Tissue by Reversible Succinylation. Molecular Cell, 2019, 74, 844-857.e7.	9.7	123
5	Domain-dependent effects of insulin and IGF-1 receptors on signalling and gene expression. Nature Communications, 2017, 8, 14892.	12.8	111
6	Multi-dimensional Transcriptional Remodeling by Physiological Insulin In Vivo. Cell Reports, 2019, 26, 3429-3443.e3.	6.4	62
7	Insulin action in the brain regulates mitochondrial stress responses and reduces diet-induced weight gain. Molecular Metabolism, 2019, 21, 68-81.	6.5	41
8	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
9	Single-cell transcriptional networks in differentiating preadipocytes suggest drivers associated with tissue heterogeneity. Nature Communications, 2020, 11, 2117.	12.8	37
10	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
11	Insulin action in the brain: cell types, circuits, and diseases. Trends in Neurosciences, 2022, 45, 384-400.	8.6	29
12	TRPV1 neurons regulate $\beta$ -cell function in a sex-dependent manner. Molecular Metabolism, 2018, 18, 60-67.	6.5	24
13	Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens. Diabetes, 2021, 70, 1857-1873.	0.6	21
14	Role of p110a subunit of PI3-kinase in skeletal muscle mitochondrial homeostasis and metabolism. Nature Communications, 2019, 10, 3412.	12.8	19
15	Membrane metallo-endopeptidase (Neprilysin) regulates inflammatory response and insulin signaling in white preadipocytes. Molecular Metabolism, 2019, 22, 21-36.	6.5	15
16	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
17	Deconstructing the origins of sexual dimorphism in sensory modulation of pancreatic $\beta$ cells. Molecular Metabolism, 2021, 53, 101260.	6.5	10
18	Insulin Signaling Suppresses Autophagy in Astrocytes. FASEB Journal, 2022, 36, .	0.5	0