AndrÃ© Kleinridders

List of Publications by Year
in descending order

48 papers	5,310 citations	159525 30 h-index	223716 46 g-index
51 all docs	51 docs citations	51 times ranked	9421 citing authors

#	Article	IF	Citations
1	Insulin Receptor Signaling in Normal and Insulin-Resistant States. Cold Spring Harbor Perspectives in Biology, 2014, 6, a009191-a009191.	2.3	1,058
2	Insulin Action in Brain Regulates Systemic Metabolism and Brain Function. Diabetes, 2014, 63, 2232-2243.	0.3	472
3	MyD88 Signaling in the CNS Is Required for Development of Fatty Acid-Induced Leptin Resistance and Diet-Induced Obesity. Cell Metabolism, 2009, 10, 249-259.	7.2	428
4	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.	3.3	314
5	Sirt3 Regulates Metabolic Flexibility of Skeletal Muscle Through Reversible Enzymatic Deacetylation. Diabetes, 2013, 62, 3404-3417.	0.3	234
6	Trimethylamine N-Oxide Binds and Activates PERK to Promote Metabolic Dysfunction. Cell Metabolism, 2019, 30, 1141-1151.e5.	7.2	215
7	Riboflavin kinase couples TNF receptor 1 to NADPH oxidase. Nature, 2009, 460, 1159-1163.	13.7	197
8	ASC-1, PAT2, and P2RX5 are cell surface markers for white, beige, and brown adipocytes. Science Translational Medicine, 2014, 6, 247ra103.	5.8	169
9	Myeloid-Cell-Derived VEGF Maintains Brain Glucose Uptake and Limits Cognitive Impairment in Obesity. Cell, 2016, 165, 882-895.	13.5	167
10	Role for Insulin Signaling in Catecholaminergic Neurons in Control of Energy Homeostasis. Cell Metabolism, 2011, 13, 720-728.	7.2	156
11	Enhanced Stat3 Activation in POMC Neurons Provokes Negative Feedback Inhibition of Leptin and InsulinSignaling in Obesity. Journal of Neuroscience, 2009, 29, 11582-11593.	1.7	153
12	Insulin regulates astrocyte gliotransmission and modulates behavior. Journal of Clinical Investigation, 2018, 128, 2914-2926.	3.9	138
13	Insulin and IGF-1 receptors regulate FoxO-mediated signaling in muscle proteostasis. Journal of Clinical Investigation, 2016, 126, 3433-3446.	3.9	132
14	Central nervous pathways of insulin action in the control of metabolism and food intake. Lancet Diabetes and Endocrinology,the, 2020, 8, 524-534.	5.5	126
15	Differential Roles of Insulin and IGF-1 Receptors in Adipose Tissue Development and Function. Diabetes, 2016, 65, 2201-2213.	0.3	114
16	Domain-dependent effects of insulin and IGF-1 receptors on signalling and gene expression. Nature Communications, 2017, 8, 14892.	5.8	111
17	Reversible gene knockdown in mice using a tight, inducible shRNA expression system. Nucleic Acids Research, 2007, 35, e54.	6.5	105
18	Leptin regulation of Hsp60 impacts hypothalamic insulin signaling. Journal of Clinical Investigation, 2013, 123, 4667-4680.	3.9	101

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19	Hepatic Bax Inhibitor-1 Inhibits IRE1Î± and Protects from Obesity-associated Insulin Resistance and Glucose Intolerance. Journal of Biological Chemistry, 2010, 285, 6198-6207.	1.6	98
20	Secondary Consequences of Î² Cell Inexcitability: Identification and Prevention in a Murine Model of KATP-Induced Neonatal Diabetes Mellitus. Cell Metabolism, 2009, 9, 140-151.	7.2	92
21	VKORC1 deficiency in mice causes early postnatal lethality due to severe bleeding. Thrombosis and Haemostasis, 2009, 101, 1044-1050.	1.8	58
22	Deficiency of the splicing factor Sfrs10 results in early embryonic lethality in mice and has no impact on full-length SMN/Smn splicing. Human Molecular Genetics, 2010, 19, 2154-2167.	1.4	53
23	Impact of Brain Insulin Signaling on Dopamine Function, Food Intake, Reward, and Emotional Behavior. Current Nutrition Reports, 2019, 8, 83-91.	2.1	53
24	PLRG1 Is an Essential Regulator of Cell Proliferation and Apoptosis during Vertebrate Development and Tissue Homeostasis. Molecular and Cellular Biology, 2009, 29, 3173-3185.	1.1	49
25	CNS-targets in control of energy and glucose homeostasis. Current Opinion in Pharmacology, 2009, 9, 794-804.	1.7	49
26	Insulin and insulin-like growth factor 1 receptors are required for normal expression of imprinted genes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14512-14517.	3.3	43
27	Mitochondrial Chaperones in the Brain: Safeguarding Brain Health and Metabolism?. Frontiers in Endocrinology, 2018, 9, 196.	1.5	43
28	Insulin action in the brain regulates mitochondrial stress responses and reduces diet-induced weight gain. Molecular Metabolism, 2019, 21, 68-81.	3.0	41
29	Regional differences in brain glucose metabolism determined by imaging mass spectrometry. Molecular Metabolism, 2018, 12, 113-121.	3.0	40
30	Soybean Oil-Derived Poly-Unsaturated Fatty Acids Enhance Liver Damage in NAFLD Induced by Dietary Cholesterol. Nutrients, 2018, 10, 1326.	1.7	29
31	GPx3 dysregulation impacts adipose tissue insulin receptor expression and sensitivity. JCI Insight, 2020, 5, .	2.3	29
32	Untangling the effect of insulin action on brain mitochondria and metabolism. Journal of Neuroendocrinology, 2021, 33, e12932.	1.2	27
33	Differential effects of angiopoietin-like 4 in brain and muscle on regulation of lipoprotein lipase activity. Molecular Metabolism, 2015, 4, 144-150.	3.0	26
34	Hemicentin-1 is an essential extracellular matrix component of the dermalâ€“epidermal and myotendinous junctions. Scientific Reports, 2021, 11, 17926.	1.6	24
35	Low steady-state oxidative stress inhibits adipogenesis by altering mitochondrial dynamics and decreasing cellular respiration. Redox Biology, 2020, 32, 101507.	3.9	17
36	Orexin receptors 1 and 2 in serotonergic neurons differentially regulate peripheral glucose metabolism in obesity. Nature Communications, 2021, 12, 5249.	5.8	17

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37	Reduced Oxidative Stress and Enhanced FGF21 Formation in Livers of Endurance-Exercised Rats with Diet-Induced NASH. Nutrients, 2019, 11, 2709.	1.7	15
38	HSP60 reduction protects against diet-induced obesity by modulating energy metabolism in adipose tissue. Molecular Metabolism, 2021, 53, 101276.	3.0	14
39	Molecular effects of dietary fatty acids on brain insulin action and mitochondrial function. Biological Chemistry, 2019, 400, 991-1003.	1.2	13
40	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. Stem Cells Translational Medicine, 2015, 4, 1101-1108.	1.6	11
41	Interplay of Dietary Fatty Acids and Cholesterol Impacts Brain Mitochondria and Insulin Action. Nutrients, 2020, 12, 1518.	1.7	11
42	Editorial: Crosstalk of Mitochondria With Brain Insulin and Leptin Signaling. Frontiers in Endocrinology, 2018, 9, 761.	1.5	8
43	Cell autonomous requirement of neurofibromin (Nf1) for postnatal muscle hypertrophic growth and metabolic homeostasis. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1758-1778.	2.9	8
44	Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. Antioxidants, 2022, 11, 862.	2.2	8
45	Central Acting Hsp10 Regulates Mitochondrial Function, Fatty Acid Metabolism, and Insulin Sensitivity in the Hypothalamus. Antioxidants, 2021, 10, 711.	2.2	6
46	Insulin Receptor. , 2021, , 1-8.		0
47	1654-P: Deletion of the Mammalian Indy Homolog (Slc13a5) Improves Hepatic Insulin Sensitivity through Vagal Nerve Signaling. Diabetes, 2020, 69, 1654-P.	0.3	0
48	Insulin Receptor. , 2021, , 831-838.		0