

Kai Sun

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

3,589
citations

21
h-index

41
g-index

41
ext. papers

4,341
ext. citations

11.5
avg, IF

5.38
L-index

#	Paper	IF	Citations
36	Adipose tissue remodeling and obesity. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2094-101	15.9	1151
35	Fibrosis and adipose tissue dysfunction. <i>Cell Metabolism</i> , 2013 , 18, 470-7	24.6	507
34	Dichotomous effects of VEGF-A on adipose tissue dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5874-9	11.5	273
33	Hepatocyte Toll-like receptor 4 regulates obesity-induced inflammation and insulin resistance. <i>Nature Communications</i> , 2014 , 5, 3878	17.4	192
32	Endotrophin triggers adipose tissue fibrosis and metabolic dysfunction. <i>Nature Communications</i> , 2014 , 5, 3485	17.4	180
31	Xbp1s in Pomc neurons connects ER stress with energy balance and glucose homeostasis. <i>Cell Metabolism</i> , 2014 , 20, 471-82	24.6	169
30	Selective inhibition of hypoxia-inducible factor 1 α ameliorates adipose tissue dysfunction. <i>Molecular and Cellular Biology</i> , 2013 , 33, 904-17	4.8	141
29	Zfp423 Maintains White Adipocyte Identity through Suppression of the Beige Cell Thermogenic Gene Program. <i>Cell Metabolism</i> , 2016 , 23, 1167-1184	24.6	136
28	Beclin 2 functions in autophagy, degradation of G protein-coupled receptors, and metabolism. <i>Cell</i> , 2013 , 154, 1085-1099	56.2	115
27	Inducible overexpression of adiponectin receptors highlight the roles of adiponectin-induced ceramidase signaling in lipid and glucose homeostasis. <i>Molecular Metabolism</i> , 2017 , 6, 267-275	8.8	97
26	Partial Leptin Reduction as an Insulin Sensitization and Weight Loss Strategy. <i>Cell Metabolism</i> , 2019 , 30, 706-719.e6	24.6	93
25	Brown adipose tissue derived VEGF-A modulates cold tolerance and energy expenditure. <i>Molecular Metabolism</i> , 2014 , 3, 474-83	8.8	89
24	VEGF-A-Expressing Adipose Tissue Shows Rapid Beiging and Enhanced Survival After Transplantation and Confers IL-4-Independent Metabolic Improvements. <i>Diabetes</i> , 2017 , 66, 1479-1490	0.9	59
23	PPAR γ in vagal neurons regulates high-fat diet induced thermogenesis. <i>Cell Metabolism</i> , 2014 , 19, 722-30	24.6	49
22	Angiopoietin-2 in white adipose tissue improves metabolic homeostasis through enhanced angiogenesis. <i>ELife</i> , 2017 , 6,	8.9	36
21	Adiponectin alters renal calcium and phosphate excretion through regulation of klotho expression. <i>Kidney International</i> , 2017 , 91, 324-337	9.9	35
20	ER α upregulates Phd3 to ameliorate HIF-1 induced fibrosis and inflammation in adipose tissue. <i>Molecular Metabolism</i> , 2014 , 3, 642-51	8.8	31

19	Divergent functions of endotrophin on different cell populations in adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E952-E963	6	29
18	Short-Term Versus Long-Term Effects of Adipocyte Toll-Like Receptor 4 Activation on Insulin Resistance in Male Mice. <i>Endocrinology</i> , 2017 , 158, 1260-1270	4.8	24
17	Critical Role of Matrix Metalloproteinase 14 in Adipose Tissue Remodeling during Obesity. <i>Molecular and Cellular Biology</i> , 2020 , 40,	4.8	23
16	Transient Overexpression of Vascular Endothelial Growth Factor A in Adipose Tissue Promotes Energy Expenditure via Activation of the Sympathetic Nervous System. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	19
15	A novel ADIPOQ mutation (p.M40K) impairs assembly of high-molecular-weight adiponectin and is associated with early-onset obesity and metabolic syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E683-93	5.6	17
14	Dysregulation of Amyloid Precursor Protein Impairs Adipose Tissue Mitochondrial Function and Promotes Obesity. <i>Nature Metabolism</i> , 2019 , 1, 1243-1257	14.6	17
13	Loss of the liver X receptor LXR β in peripheral sensory neurons modifies energy expenditure. <i>ELife</i> , 2015 , 4,	8.9	16
12	A Unique Role of Carboxylesterase 3 (Ces3) in Adrenergic Signaling-Stimulated Thermogenesis. <i>Diabetes</i> , 2019 , 68, 1178-1196	0.9	11
11	Transient inflammatory signaling promotes beige adipogenesis. <i>Science Signaling</i> , 2018 , 11,	8.8	10
10	The PPARE β FGF1 axis: an unexpected mediator of adipose tissue homeostasis. <i>Cell Research</i> , 2012 , 22, 1416-8	24.7	10
9	Obesity-Induced Regulator of Calcineurin 1 Overexpression Leads to Cell Failure Through Mitophagy Pathway Inhibition. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 413-428	8.4	7
8	Rosiglitazone reverses high fat diet-induced changes in BMAL1 function in muscle, fat, and liver tissue in mice. <i>International Journal of Obesity</i> , 2019 , 43, 567-580	5.5	6
7	Novel role of dynamin-related-protein 1 in dynamics of ER-lipid droplets in adipose tissue. <i>FASEB Journal</i> , 2020 , 34, 8265-8282	0.9	5
6	GHS-R suppression in adipose tissues protects against obesity and insulin resistance by regulating adipose angiogenesis and fibrosis. <i>International Journal of Obesity</i> , 2021 , 45, 1565-1575	5.5	4
5	Regulation of Lipolysis in Adipose Tissue and Clinical Significance. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1090, 199-210	3.6	4
4	Co-staining Blood Vessels and Nerve Fibers in Adipose Tissue. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
3	Glycosaminoglycan Modification of Decorin Depends on MMP14 Activity and Regulates Collagen Assembly. <i>Cells</i> , 2020 , 9,	7.9	3
2	Cellular and physiological circadian mechanisms drive diurnal cell proliferation and expansion of white adipose tissue. <i>Nature Communications</i> , 2021 , 12, 3482	17.4	3

- 1 Ameliorating cancer cachexia by inhibiting cancer cell release of Hsp70 and Hsp90 with omeprazole. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**,

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