

# Yong Liu

## List of Publications by Year in descending order

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68  
papers

4,516  
citations

94433

37  
h-index

106344

65  
g-index

70  
all docs

70  
docs citations

70  
times ranked

7729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural modulation of gut microbiota in life-long calorie-restricted mice. <i>Nature Communications</i> , 2013, 4, 2163.	12.8	404
2	The metabolic ER stress sensor IRE1 $\beta$ suppresses alternative activation of macrophages and impairs energy expenditure in obesity. <i>Nature Immunology</i> , 2017, 18, 519-529.	14.5	279
3	Leucine Deprivation Increases Hepatic Insulin Sensitivity via GCN2/mTOR/S6K1 and AMPK Pathways. <i>Diabetes</i> , 2011, 60, 746-756.	0.6	249
4	Elevated Retinol-Binding Protein 4 Levels Are Associated with Metabolic Syndrome in Chinese People. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 4827-4834.	3.6	191
5	Abrogation of hepatic ATP-citrate lyase protects against fatty liver and ameliorates hyperglycemia in leptin receptor-deficient mice. <i>Hepatology</i> , 2009, 49, 1166-1175.	7.3	172
6	Ferritin Concentrations, Metabolic Syndrome, and Type 2 Diabetes in Middle-Aged and Elderly Chinese. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 4690-4696.	3.6	171
7	Distributions of C-Reactive Protein and its Association With Metabolic Syndrome in Middle-Aged and Older Chinese People. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1798-1805.	2.8	166
8	Fibroblast Growth Factor 21 Is Regulated by the IRE1 $\beta$ -XBP1 Branch of the Unfolded Protein Response and Counteracts Endoplasmic Reticulum Stress-induced Hepatic Steatosis. <i>Journal of Biological Chemistry</i> , 2014, 289, 29751-29765.	3.4	147
9	A Crucial Role for RACK1 in the Regulation of Glucose-Stimulated IRE1 $\beta$ Activation in Pancreatic $\beta$ Cells. <i>Science Signaling</i> , 2010, 3, ra7.	3.6	130
10	Hepatic IRE1 $\beta$ regulates fasting-induced metabolic adaptive programs through the XBP1 $\beta$ -PPAR $\beta$ axis signalling. <i>Nature Communications</i> , 2014, 5, 3528.	12.8	126
11	Functionally Distinct Double-stranded RNA-binding Domains Associated with Alternative Splice Site Variants of the Interferon-inducible Double-stranded RNA-specific Adenosine Deaminase. <i>Journal of Biological Chemistry</i> , 1997, 272, 4419-4428.	3.4	121
12	Associations of Physical Activity With Inflammatory Factors, Adipocytokines, and Metabolic Syndrome in Middle-Aged and Older Chinese People. <i>Circulation</i> , 2009, 119, 2969-2977.	1.6	115
13	Emerging roles for the ER stress sensor IRE1 $\beta$ in metabolic regulation and disease. <i>Journal of Biological Chemistry</i> , 2019, 294, 18726-18741.	3.4	94
14	Adenosine Deaminases Acting on RNA, RNA Editing, and Interferon Action. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 99-117.	1.2	93
15	SH2B Regulation of Growth, Metabolism, and Longevity in Both Insects and Mammals. <i>Cell Metabolism</i> , 2010, 11, 427-437.	16.2	88
16	Serotonin-2C Receptor Pre-mRNA Editing in Rat Brain and in Vitro by Splice Site Variants of the Interferon-inducible Double-stranded RNA-specific Adenosine Deaminase ADAR1. <i>Journal of Biological Chemistry</i> , 1999, 274, 18351-18358.	3.4	86
17	Hepatic regulation of VLDL receptor by PPAR $\beta$ / $\delta$ and FGF21 modulates non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2018, 8, 117-131.	6.5	77
18	PKA phosphorylation couples hepatic inositol-requiring enzyme 1 $\beta$ to glucagon signaling in glucose metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15852-15857.	7.1	76

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19	Leptin Contributes to the Adaptive Responses of Mice to High-Fat Diet Intake through Suppressing the Lipogenic Pathway. PLoS ONE, 2009, 4, e6884.	2.5	74
20	IL-27 signalling promotes adipocyte thermogenesis and energy expenditure. Nature, 2021, 600, 314-318.	27.8	70
21	Effects of a flaxseed-derived lignan supplement on C-reactive protein, IL-6 and retinol-binding protein 4 in type 2 diabetic patients. British Journal of Nutrition, 2009, 101, 1145-1149.	2.3	69
22	Role for the endoplasmic reticulum stress sensor IRE1 $\alpha$ in liver regenerative responses. Journal of Hepatology, 2015, 62, 590-598.	3.7	67
23	Editing of Glutamate Receptor Subunit B Pre-mRNA by Splice-site Variants of Interferon-inducible Double-stranded RNA-specific Adenosine Deaminase ADAR1. Journal of Biological Chemistry, 1999, 274, 5070-5077.	3.4	64
24	Self-Rated Health in middle-aged and elderly Chinese: distribution, determinants and associations with cardio-metabolic risk factors. BMC Public Health, 2009, 9, 368.	2.9	62
25	Associations of resistin with inflammatory and fibrinolytic markers, insulin resistance, and metabolic syndrome in middle-aged and older Chinese. European Journal of Endocrinology, 2008, 159, 585-593.	3.7	59
26	Midlife gene expressions identify modulators of aging through dietary interventions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1201-9.	7.1	57
27	RNA Editing by ADAR2 Is Metabolically Regulated in Pancreatic Islets and $\beta$ -Cells. Journal of Biological Chemistry, 2006, 281, 33386-33394.	3.4	55
28	Tyrosine-dependent and -independent actions of leptin receptor in control of energy balance and glucose homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18619-18624.	7.1	55
29	The Endoplasmic Reticulum Stress Sensor IRE1 $\alpha$ in Intestinal Epithelial Cells Is Essential for Protecting against Colitis. Journal of Biological Chemistry, 2015, 290, 15327-15336.	3.4	54
30	Deficiency in hepatic ATP-citrate lyase affects VLDL-triglyceride mobilization and liver fatty acid composition in mice. Journal of Lipid Research, 2010, 51, 2516-2526.	4.2	53
31	PIP4K2A regulates intracellular cholesterol transport through modulating PI(4,5)P2 homeostasis. Journal of Lipid Research, 2018, 59, 507-514.	4.2	50
32	The IRE1 $\alpha$ -XBP1 pathway regulates metabolic stress-induced compensatory proliferation of pancreatic $\beta$ -cells. Cell Research, 2014, 24, 1137-1140.	12.0	49
33	Dual role for inositol-requiring enzyme 1 $\alpha$ in promoting the development of hepatocellular carcinoma during diet-induced obesity in mice. Hepatology, 2018, 68, 533-546.	7.3	47
34	Elevated Plasma Retinol-Binding Protein 4 Is Associated with Increased Risk of Type 2 Diabetes in Middle-Aged and Elderly Chinese Adults. Journal of Nutrition, 2014, 144, 722-728.	2.9	44
35	Impact of Dietary Interventions on Noncoding RNA Networks and mRNAs Encoding Chromatin-Related Factors. Cell Reports, 2017, 18, 2957-2968.	6.4	42
36	Calorie restriction and endurance exercise share potent anti-inflammatory function in adipose tissues in ameliorating diet-induced obesity and insulin resistance in mice. Nutrition and Metabolism, 2010, 7, 59.	3.0	41

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37	IRE1 promotes neurodegeneration through autophagy-dependent neuron death in the Drosophila model of Parkinson's disease. <i>Cell Death and Disease</i> , 2019, 10, 800.	6.3	41
38	Thymic NF- $\kappa$ B-inducing kinase regulates CD4 <sup>+</sup> T cell-elicited liver injury and fibrosis in mice. <i>Journal of Hepatology</i> , 2017, 67, 100-109.	3.7	39
39	Coupling of COPII vesicle trafficking to nutrient availability by the IRE1-XBP1s axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11776-11785.	7.1	35
40	Energy metabolism in brown adipose tissue. <i>FEBS Journal</i> , 2021, 288, 3647-3662.	4.7	35
41	Liver NF- $\kappa$ B-Inducing Kinase Promotes Liver Steatosis and Glucose Counterregulation in Male Mice With Obesity. <i>Endocrinology</i> , 2017, 158, 1207-1216.	2.8	34
42	Insulin/Snail1 axis ameliorates fatty liver disease by epigenetically suppressing lipogenesis. <i>Nature Communications</i> , 2018, 9, 2751.	12.8	34
43	Adipocyte Spliced Form of X-Box Binding Protein 1 Promotes Adiponectin Multimerization and Systemic Glucose Homeostasis. <i>Diabetes</i> , 2014, 63, 867-879.	0.6	33
44	Inflammation promotes adipocyte lipolysis via IRE1 kinase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100440.	3.4	33
45	RBP4 variants are significantly associated with plasma RBP4 levels and hypertriglyceridemia risk in Chinese Hans. <i>Journal of Lipid Research</i> , 2009, 50, 1479-1486.	4.2	32
46	Hypoxic ER stress suppresses $\beta$ -catenin expression and promotes cooperation between the transcription factors XBP1 and HIF1 $\alpha$ for cell survival. <i>Journal of Biological Chemistry</i> , 2019, 294, 13811-13821.	3.4	31
47	Hepatic NF- $\kappa$ B-inducing kinase (NIK) suppresses mouse liver regeneration in acute and chronic liver diseases. <i>ELife</i> , 2018, 7, .	6.0	28
48	ADAR2-dependent RNA editing of GluR2 is involved in thiamine deficiency-induced alteration of calcium dynamics. <i>Molecular Neurodegeneration</i> , 2010, 5, 54.	10.8	27
49	Signaling through Tyr <sup>985</sup> of Leptin Receptor as an Age/Diet-Dependent Switch in the Regulation of Energy Balance. <i>Molecular and Cellular Biology</i> , 2010, 30, 1650-1659.	2.3	27
50	Medullary thymic epithelial NF- $\kappa$ B-inducing kinase (NIK)/IKK $\gamma$ pathway shapes autoimmunity and liver and lung homeostasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19090-19097.	7.1	25
51	Deficiency in RNA editing enzyme ADAR2 impairs regulated exocytosis. <i>FASEB Journal</i> , 2010, 24, 3720-3732.	0.5	22
52	c-Jun Amino-Terminal Kinase-1 Mediates Glucose-Responsive Upregulation of the RNA Editing Enzyme ADAR2 in Pancreatic Beta-Cells. <i>PLoS ONE</i> , 2012, 7, e48611.	2.5	22
53	IRE1 $\alpha$ regulates skeletal muscle regeneration through myostatin mRNA decay. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	22
54	Ablation of Plasma Prekallikrein Decreases Low-Density Lipoprotein Cholesterol by Stabilizing Low-Density Lipoprotein Receptor and Protects Against Atherosclerosis. <i>Circulation</i> , 2022, 145, 675-687.	1.6	22

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55	Herbal constituent sequoyitol improves hyperglycemia and glucose intolerance by targeting hepatocytes, adipocytes, and $\beta$ -cells. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E932-E940.	3.5	21
56	A Role for Protein Inhibitor of Activated STAT1 (PIAS1) in Lipogenic Regulation through SUMOylation-independent Suppression of Liver X Receptors. Journal of Biological Chemistry, 2012, 287, 37973-37985.	3.4	19
57	Leptin Signaling Is Required for Leucine Deprivation-enhanced Energy Expenditure. Journal of Biological Chemistry, 2014, 289, 1779-1787.	3.4	19
58	Hepatic NF- $\kappa$ B-Inducing Kinase and Inhibitor of NF- $\kappa$ B Kinase Subunit $\beta$ Promote Liver Oxidative Stress, Ferroptosis, and Liver Injury. Hepatology Communications, 2021, 5, 1704-1720.	4.3	19
59	Neuronal Cbl Controls Biosynthesis of Insulin-Like Peptides in <i>Drosophila melanogaster</i> . Molecular and Cellular Biology, 2012, 32, 3610-3623.	2.3	14
60	Metabolomics Insights into the Modulatory Effects of Long-Term Low Calorie Intake in Mice. Journal of Proteome Research, 2016, 15, 2299-2308.	3.7	14
61	Elevated plasma tumor necrosis factor- $\alpha$ receptor 2 and resistin are associated with increased incidence of kidney function decline in Chinese adults. Endocrine, 2016, 52, 541-549.	2.3	13
62	Knockout of inositol-requiring enzyme $\beta$ in pro-opiomelanocortin neurons decreases fat mass via increasing energy expenditure. Open Biology, 2016, 6, 160131.	3.6	12
63	The ER stress sensor inositol-requiring enzyme $\beta$ in Kupffer cells promotes hepatic ischemia-reperfusion injury. Journal of Biological Chemistry, 2022, 298, 101532.	3.4	12
64	Adipose tissue macrophage in immune regulation of metabolism. Science China Life Sciences, 2016, 59, 1232-1240.	4.9	11
65	Fat body Ire1 regulates lipid homeostasis through the Xbp1s-FoxO axis in Drosophila. IScience, 2021, 24, 102819.	4.1	9
66	Beneficial effect of ER stress preconditioning in protection against FFA-induced adipocyte inflammation via XBP1 in 3T3-L1 adipocytes. Molecular and Cellular Biochemistry, 2020, 463, 45-55.	3.1	8
67	Phosphorylation at Ser724 of the ER stress sensor IRE1 $\beta$ governs its activation state and limits ER stress-induced hepatosteatosis. Journal of Biological Chemistry, 2022, 298, 101997.	3.4	3
68	Research Advances at the Institute for Nutritional Sciences at Shanghai, China. Advances in Nutrition, 2011, 2, 428-439.	6.4	2