

# Yong Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

4,516  
citations

94381

37  
h-index

106281

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.   | 5.8 | 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.   | 7.0 | 279       |
| 3  | Leucine Deprivation Increases Hepatic Insulin Sensitivity via GCN2/mTOR/S6K1 and AMPK Pathways. <i>Diabetes</i> , 2011, 60, 746-756.  | 0.3 | 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.  | 1.8 | 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.  | 3.6 | 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.   | 1.8 | 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.  | 1.2 | 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.     | 1.6 | 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.  | 1.6 | 130       |
| 10 | Hepatic IRE1 $\beta$ regulates fasting-induced metabolic adaptive programs through the XBP1s $\beta$ -PPAR $\beta$ axis signalling. <i>Nature Communications</i> , 2014, 5, 3528.   | 5.8 | 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. | 1.6 | 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.  | 1.6 | 94        |
| 14 | Adenosine Deaminases Acting on RNA, RNA Editing, and Interferon Action. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 99-117.  | 0.5 | 93        |
| 15 | SH2B Regulation of Growth, Metabolism, and Longevity in Both Insects and Mammals. <i>Cell Metabolism</i> , 2010, 11, 427-437.   | 7.2 | 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.           | 1.6 | 86        |
| 17 | Hepatic regulation of VLDL receptor by PPAR $\beta$ and FGF21 modulates non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2018, 8, 117-131.  | 3.0 | 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.                   | 3.3 | 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.   | 1.1  | 74        |
| 20 | IL-27 signalling promotes adipocyte thermogenesis and energy expenditure. Nature, 2021, 600, 314-318.   | 13.7 | 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.                                    | 1.2  | 69        |
| 22 | Role for the endoplasmic reticulum stress sensor IRE1 $\beta$ in liver regenerative responses. Journal of Hepatology, 2015, 62, 590-598.  | 1.8  | 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.               | 1.6  | 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.  | 1.2  | 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.                      | 1.9  | 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.                                     | 3.3  | 57        |
| 27 | RNA Editing by ADAR2 Is Metabolically Regulated in Pancreatic Islets and $\beta$ -Cells. Journal of Biological Chemistry, 2006, 281, 33386-33394.   | 1.6  | 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. | 3.3  | 55        |
| 29 | The Endoplasmic Reticulum Stress Sensor IRE1 $\beta$ in Intestinal Epithelial Cells Is Essential for Protecting against Colitis. Journal of Biological Chemistry, 2015, 290, 15327-15336.                                     | 1.6  | 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.  | 2.0  | 53        |
| 31 | PIP4K2A regulates intracellular cholesterol transport through modulating PI(4,5)P2 homeostasis. Journal of Lipid Research, 2018, 59, 507-514.   | 2.0  | 50        |
| 32 | The IRE1 $\beta$ -XBP1 pathway regulates metabolic stress-induced compensatory proliferation of pancreatic $\beta$ -cells. Cell Research, 2014, 24, 1137-1140.  | 5.7  | 49        |
| 33 | Dual role for inositol-requiring enzyme 1 $\beta$ in promoting the development of hepatocellular carcinoma during diet-induced obesity in mice. Hepatology, 2018, 68, 533-546.  | 3.6  | 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.   | 1.3  | 44        |
| 35 | Impact of Dietary Interventions on Noncoding RNA Networks and mRNAs Encoding Chromatin-Related Factors. Cell Reports, 2017, 18, 2957-2968.  | 2.9  | 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.             | 1.3  | 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.   | 2.7 | 41        |
| 38 | Thymic NF- $\kappa$ B-inducing kinase regulates CD4+ T cell-elicited liver injury and fibrosis in mice. <i>Journal of Hepatology</i> , 2017, 67, 100-109.   | 1.8 | 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.   | 3.3 | 35        |
| 40 | Energy metabolism in brown adipose tissue. <i>FEBS Journal</i> , 2021, 288, 3647-3662.  | 2.2 | 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.   | 1.4 | 34        |
| 42 | Insulin/Snail1 axis ameliorates fatty liver disease by epigenetically suppressing lipogenesis. <i>Nature Communications</i> , 2018, 9, 2751.  | 5.8 | 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.   | 0.3 | 33        |
| 44 | Inflammation promotes adipocyte lipolysis via IRE1 kinase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100440.  | 1.6 | 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.   | 2.0 | 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.                            | 1.6 | 31        |
| 47 | Hepatic NF- $\kappa$ B-inducing kinase (NIK) suppresses mouse liver regeneration in acute and chronic liver diseases. <i>ELife</i> , 2018, 7, .   | 2.8 | 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.   | 4.4 | 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.   | 1.1 | 27        |
| 50 | Medullary thymic epithelial NF- $\kappa$ B-inducing kinase (NIK)/IKK 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. | 3.3 | 25        |
| 51 | Deficiency in RNA editing enzyme ADAR2 impairs regulated exocytosis. <i>FASEB Journal</i> , 2010, 24, 3720-3732.  | 0.2 | 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.   | 1.1 | 22        |
| 53 | IRE1 $\alpha$ regulates skeletal muscle regeneration through myostatin mRNA decay. <i>Journal of Clinical Investigation</i> , 2021, 131, .  | 3.9 | 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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E932-E940. | 1.8 | 21        |
| 56 | A Role for Protein Inhibitor of Activated STAT1 (PIAS1) in Lipogenic Regulation through SUMOylation-independent Suppression of Liver X Receptors. <i>Journal of Biological Chemistry</i> , 2012, 287, 37973-37985.                  | 1.6 | 19        |
| 57 | Leptin Signaling Is Required for Leucine Deprivation-enhanced Energy Expenditure. <i>Journal of Biological Chemistry</i> , 2014, 289, 1779-1787.  | 1.6 | 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. <i>Hepatology Communications</i> , 2021, 5, 1704-1720.                 | 2.0 | 19        |
| 59 | Neuronal Cbl Controls Biosynthesis of Insulin-Like Peptides in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biology</i> , 2012, 32, 3610-3623.  | 1.1 | 14        |
| 60 | Metabolomics Insights into the Modulatory Effects of Long-Term Low Calorie Intake in Mice. <i>Journal of Proteome Research</i> , 2016, 15, 2299-2308.   | 1.8 | 14        |
| 61 | Elevated plasma tumor necrosis factor- $\alpha$ receptor 2 and resistin are associated with increased incidence of kidney function decline in Chinese adults. <i>Endocrine</i> , 2016, 52, 541-549.                                 | 1.1 | 13        |
| 62 | Knockout of inositol-requiring enzyme $\beta$ in pro-opiomelanocortin neurons decreases fat mass via increasing energy expenditure. <i>Open Biology</i> , 2016, 6, 160131.  | 1.5 | 12        |
| 63 | The ER stress sensor inositol-requiring enzyme $\beta$ in Kupffer cells promotes hepatic ischemia-reperfusion injury. <i>Journal of Biological Chemistry</i> , 2022, 298, 101532.   | 1.6 | 12        |
| 64 | Adipose tissue macrophage in immune regulation of metabolism. <i>Science China Life Sciences</i> , 2016, 59, 1232-1240.   | 2.3 | 11        |
| 65 | Fat body Ire1 regulates lipid homeostasis through the Xbp1s-FoxO axis in <i>Drosophila</i> . <i>Science</i> , 2021, 24, 102819.   | 1.9 | 9         |
| 66 | Beneficial effect of ER stress preconditioning in protection against FFA-induced adipocyte inflammation via XBP1 in 3T3-L1 adipocytes. <i>Molecular and Cellular Biochemistry</i> , 2020, 463, 45-55.                               | 1.4 | 8         |
| 67 | Phosphorylation at Ser724 of the ER stress sensor IRE1 $\beta$ governs its activation state and limits ER stress-induced hepatosteatosis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101997.                               | 1.6 | 3         |
| 68 | Research Advances at the Institute for Nutritional Sciences at Shanghai, China. <i>Advances in Nutrition</i> , 2011, 2, 428-439.  | 2.9 | 2         |