

Liangyou Rui

List of Publications by Year in descending order

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88
papers

8,049
citations

76326

40
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64796

79
g-index

91
all docs

91
docs citations

91
times ranked

12129
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Metabolism in the Liver. , 2014, 4, 177-197.		1,413
2	SOCS-1 and SOCS-3 Block Insulin Signaling by Ubiquitin-mediated Degradation of IRS1 and IRS2. Journal of Biological Chemistry, 2002, 277, 42394-42398.	3.4	744
3	Insulin/IGF-1 and TNF- α stimulate phosphorylation of IRS-1 at inhibitory Ser307 via distinct pathways. Journal of Clinical Investigation, 2001, 107, 181-189.	8.2	508
4	Recent advances in understanding leptin signaling and leptin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1247-E1259.	3.5	381
5	Leptin signaling and leptin resistance. Frontiers of Medicine, 2013, 7, 207-222.	3.4	302
6	The metabolic ER stress sensor IRE1 α suppresses alternative activation of macrophages and impairs energy expenditure in obesity. Nature Immunology, 2017, 18, 519-529.	14.5	279
7	Identification of SH2-B as a key regulator of leptin sensitivity, energy balance, and body weight in mice. Cell Metabolism, 2005, 2, 95-104.	16.2	202
8	Regulation of Insulin/Insulin-like Growth Factor-1 Signaling by Proteasome-mediated Degradation of Insulin Receptor Substrate-2. Journal of Biological Chemistry, 2001, 276, 40362-40367.	3.4	191
9	Abrogation of hepatic ATP-citrate lyase protects against fatty liver and ameliorates hyperglycemia in leptin receptor-deficient mice. Hepatology, 2009, 49, 1166-1175.	7.3	172
10	Neuronal SH2B1 is essential for controlling energy and glucose homeostasis. Journal of Clinical Investigation, 2007, 117, 397-406.	8.2	170
11	Identification of MUP1 as a Regulator for Glucose and Lipid Metabolism in Mice. Journal of Biological Chemistry, 2009, 284, 11152-11159.	3.4	147
12	Human SH2B1 mutations are associated with maladaptive behaviors and obesity. Journal of Clinical Investigation, 2012, 122, 4732-4736.	8.2	147
13	SH2-B Promotes Insulin Receptor Substrate 1 (IRS1)- and IRS2-mediated Activation of the Phosphatidylinositol 3-Kinase Pathway in Response to Leptin. Journal of Biological Chemistry, 2004, 279, 43684-43691.	3.4	145
14	Brain regulation of energy balance and body weight. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 387-407.	5.7	128
15	Brown and Beige Adipose Tissues in Health and Disease. , 2017, 7, 1281-1306.		127
16	Disruption of the SH2 - B Gene Causes Age-Dependent Insulin Resistance and Glucose Intolerance. Molecular and Cellular Biology, 2004, 24, 7435-7443.	2.3	117
17	Liver Clock Protein BMAL1 Promotes de Novo Lipogenesis through Insulin-mTORC2-AKT Signaling. Journal of Biological Chemistry, 2014, 289, 25925-25935.	3.4	94
18	SH2B1 Enhances Leptin Signaling by Both Janus Kinase 2 Tyr813 Phosphorylation-Dependent and -Independent Mechanisms. Molecular Endocrinology, 2007, 21, 2270-2281.	3.7	89

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19	Transcriptional Repressor E4-binding Protein 4 (E4BP4) Regulates Metabolic Hormone Fibroblast Growth Factor 21 (FGF21) during Circadian Cycles and Feeding. <i>Journal of Biological Chemistry</i> , 2010, 285, 36401-36409.	3.4	88
20	SH2B Regulation of Growth, Metabolism, and Longevity in Both Insects and Mammals. <i>Cell Metabolism</i> , 2010, 11, 427-437.	16.2	88
21	NF- κ B-inducing kinase (NIK) promotes hyperglycemia and glucose intolerance in obesity by augmenting glucagon action. <i>Nature Medicine</i> , 2012, 18, 943-949.	30.7	88
22	Mouse hepatocyte overexpression of NF- κ B-inducing kinase (NIK) triggers fatal macrophage-dependent liver injury and fibrosis. <i>Hepatology</i> , 2014, 60, 2065-2076.	7.3	80
23	SH2-B Is Required for Nerve Growth Factor-induced Neuronal Differentiation. <i>Journal of Biological Chemistry</i> , 1999, 274, 10590-10594.	3.4	79
24	Lipogenic transcription factor ChREBP mediates fructose-induced metabolic adaptations to prevent hepatotoxicity. <i>Journal of Clinical Investigation</i> , 2017, 127, 2855-2867.	8.2	79
25	SH2B1 Enhances Insulin Sensitivity by Both Stimulating the Insulin Receptor and Inhibiting Tyrosine Dephosphorylation of Insulin Receptor Substrate Proteins. <i>Diabetes</i> , 2009, 58, 2039-2047.	0.6	77
26	A Functional DNA Binding Domain Is Required for Growth Hormone-induced Nuclear Accumulation of Stat5B. <i>Journal of Biological Chemistry</i> , 1999, 274, 5138-5145.	3.4	76
27	PKA phosphorylation couples hepatic inositol-requiring enzyme 1 α 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
28	Leptin Stimulates Both JAK2-dependent and JAK2-independent Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2008, 283, 28066-28073.	3.4	74
29	Major Urinary Protein Regulation of Chemical Communication and Nutrient Metabolism. <i>Vitamins and Hormones</i> , 2010, 83, 151-163.	1.7	70
30	Intestinal non-canonical NF- κ B signaling shapes the local and systemic immune response. <i>Nature Communications</i> , 2019, 10, 660.	12.8	69
31	Role for the endoplasmic reticulum stress sensor IRE1 α in liver regenerative responses. <i>Journal of Hepatology</i> , 2015, 62, 590-598.	3.7	67
32	A small-molecule inhibitor of NF- κ B-inducing kinase (NIK) protects liver from toxin-induced inflammation, oxidative stress, and injury. <i>FASEB Journal</i> , 2017, 31, 711-718.	0.5	63
33	Differential Binding to and Regulation of JAK2 by the SH2 Domain and N-Terminal Region of SH2-B β . <i>Molecular and Cellular Biology</i> , 2000, 20, 3168-3177.	2.3	60
34	SH2B1 regulation of energy balance, body weight, and glucose metabolism. <i>World Journal of Diabetes</i> , 2014, 5, 511.	3.5	60
35	Platelet-derived Growth Factor (PDGF) Stimulates the Association of SH2-B β with PDGF Receptor and Phosphorylation of SH2-B β . <i>Journal of Biological Chemistry</i> , 1998, 273, 21239-21245.	3.4	59
36	Shp2 Controls Female Body Weight and Energy Balance by Integrating Leptin and Estrogen Signals. <i>Molecular and Cellular Biology</i> , 2012, 32, 1867-1878.	2.3	57

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37	The hepatokine Tsukushi gates energy expenditure via brown fat sympathetic innervation. <i>Nature Metabolism</i> , 2019, 1, 251-260.	11.9	53
38	SH2-B Is Required for Growth Hormone-induced Actin Reorganization. <i>Journal of Biological Chemistry</i> , 2000, 275, 13126-13133.	3.4	52
39	Hepatic TRAF2 Regulates Glucose Metabolism Through Enhancing Glucagon Responses. <i>Diabetes</i> , 2012, 61, 566-573.	0.6	50
40	Dual role for inositol-requiring enzyme 1 \pm in promoting the development of hepatocellular carcinoma during diet-induced obesity in mice. <i>Hepatology</i> , 2018, 68, 533-546.	7.3	47
41	Differential Role of SH2-B and APS in Regulating Energy and Glucose Homeostasis. <i>Endocrinology</i> , 2006, 147, 2163-2170.	2.8	45
42	Leptin receptor-expressing neuron Sh2b1 supports sympathetic nervous system and protects against obesity and metabolic disease. <i>Nature Communications</i> , 2020, 11, 1517.	12.8	43
43	HIF2 \pm Is an Essential Molecular Brake for Postprandial Hepatic Glucagon Response Independent of Insulin Signaling. <i>Cell Metabolism</i> , 2016, 23, 505-516.	16.2	42
44	SH2-B, a Membrane-associated Adapter, Is Phosphorylated on Multiple Serines/Threonines in Response to Nerve Growth Factor by Kinases within the MEK/ERK Cascade. <i>Journal of Biological Chemistry</i> , 1999, 274, 26485-26492.	3.4	41
45	Functional Characterization of Obesity-Associated Variants Involving the 1 \pm and 2 \pm Isoforms of Human SH2B1. <i>Endocrinology</i> , 2014, 155, 3219-3226.	2.8	39
46	Thymic NF- κ B-inducing kinase regulates CD4 $^{+}$ T cell-elicited liver injury and fibrosis in mice. <i>Journal of Hepatology</i> , 2017, 67, 100-109.	3.7	39
47	Brown fat activation mitigates alcohol-induced liver steatosis and injury in mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 2305-2317.	8.2	39
48	Critical Role of the Src Homology 2 (SH2) Domain of Neuronal SH2B1 in the Regulation of Body Weight and Glucose Homeostasis in Mice. <i>Endocrinology</i> , 2010, 151, 3643-3651.	2.8	38
49	Identification of SH2B2 $\hat{2}$ as an Inhibitor for SH2B1- and SH2B2 $\hat{1}$ -Promoted Janus Kinase-2 Activation and Insulin Signaling. <i>Endocrinology</i> , 2007, 148, 1615-1621.	2.8	37
50	Lipocalin-13 Regulates Glucose Metabolism by both Insulin-Dependent and Insulin-Independent Mechanisms. <i>Molecular and Cellular Biology</i> , 2011, 31, 450-457.	2.3	37
51	Glucose Enhances Leptin Signaling through Modulation of AMPK Activity. <i>PLoS ONE</i> , 2012, 7, e31636.	2.5	36
52	Carboxyl Terminus of HSC70-interacting Protein (CHIP) Down-regulates NF- κ B-inducing Kinase (NIK) and Suppresses NIK-induced Liver Injury. <i>Journal of Biological Chemistry</i> , 2015, 290, 11704-11714.	3.4	35
53	Lipocalin 13 Protein Protects against Hepatic Steatosis by Both Inhibiting Lipogenesis and Stimulating Fatty Acid $\hat{2}$ -Oxidation. <i>Journal of Biological Chemistry</i> , 2011, 286, 38128-38135.	3.4	34
54	Glucose and SIRT2 reciprocally mediate the regulation of keratin 8 by lysine acetylation. <i>Journal of Cell Biology</i> , 2013, 200, 241-247.	5.2	34

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55	Liver NF- κ B-Inducing Kinase Promotes Liver Steatosis and Glucose Counterregulation in Male Mice With Obesity. <i>Endocrinology</i> , 2017, 158, 1207-1216.	2.8	34
56	Insulin/Snail1 axis ameliorates fatty liver disease by epigenetically suppressing lipogenesis. <i>Nature Communications</i> , 2018, 9, 2751.	12.8	34
57	SH2B1 in β -Cells Regulates Glucose Metabolism by Promoting β -Cell Survival and Islet Expansion. <i>Diabetes</i> , 2014, 63, 585-595.	0.6	31
58	Adipose Snail1 Regulates Lipolysis and Lipid Partitioning by Suppressing Adipose Triacylglycerol Lipase Expression. <i>Cell Reports</i> , 2016, 17, 2015-2027.	6.4	31
59	Hepatocyte TRAF3 promotes insulin resistance and type 2 diabetes in mice with obesity. <i>Molecular Metabolism</i> , 2015, 4, 951-960.	6.5	30
60	Myeloid cell TRAF3 promotes metabolic inflammation, insulin resistance, and hepatic steatosis in obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E460-E469.	3.5	30
61	Hepatic Slug epigenetically promotes liver lipogenesis, fatty liver disease, and type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2020, 130, 2992-3004.	8.2	29
62	Hepatic NF- κ B-inducing kinase (NIK) suppresses mouse liver regeneration in acute and chronic liver diseases. <i>ELife</i> , 2018, 7, .	6.0	28
63	Medullary thymic epithelial NF- κ B-inducing kinase (NIK)/IKK γ 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
64	Islet β -cell Inflammation Induced By NF- κ B inducing kinase (NIK) Leads to Hypoglycemia, Pancreatitis, Growth Retardation, and Postnatal Death in Mice. <i>Theranostics</i> , 2018, 8, 5960-5971.	10.0	24
65	<i>Clinopodium chinense</i> Attenuates Palmitic Acid-Induced Vascular Endothelial Inflammation and Insulin Resistance through TLR4-Mediated NF- κ B and MAPK Pathways. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 97-117.	3.8	23
66	A link between protein translation and body weight. <i>Journal of Clinical Investigation</i> , 2007, 117, 310-313.	8.2	23
67	Hepatic SH2B1 and SH2B2 Regulate Liver Lipid Metabolism and VLDL Secretion in Mice. <i>PLoS ONE</i> , 2013, 8, e83269.	2.5	22
68	Platelet-derived Growth Factor and Lysophosphatidic Acid Inhibit Growth Hormone Binding and Signaling via a Protein Kinase C-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2000, 275, 2885-2892.	3.4	21
69	E4BP4 is an insulin-induced stabilizer of nuclear SREBP-1c and promotes SREBP-1c-mediated lipogenesis. <i>Journal of Lipid Research</i> , 2016, 57, 1219-1230.	4.2	21
70	Modulation of the HIF2 α -NCOA4 axis in enterocytes attenuates iron loading in a mouse model of hemochromatosis. <i>Blood</i> , 2022, 139, 2547-2552.	1.4	20
71	Reprogramming of Hepatic Metabolism and Microenvironment in Nonalcoholic Steatohepatitis. <i>Annual Review of Nutrition</i> , 2022, 42, 91-113.	10.1	20
72	Neural deletion of <i>Sh2b1</i> results in brain growth retardation and reactive aggression. <i>FASEB Journal</i> , 2018, 32, 1830-1840.	0.5	19

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73	Hepatic NF- κ B-Inducing Kinase and Inhibitor of NF- κ B Kinase Subunit $\hat{\pm}$ Promote Liver Oxidative Stress, Ferroptosis, and Liver Injury. <i>Hepatology Communications</i> , 2021, 5, 1704-1720.	4.3	19
74	Glucose Rapidly Induces Different Forms of Excitatory Synaptic Plasticity in Hypothalamic POMC Neurons. <i>PLoS ONE</i> , 2014, 9, e105080.	2.5	18
75	Lipocalin 13 Regulation of Glucose and Lipid Metabolism in Obesity. <i>Vitamins and Hormones</i> , 2013, 91, 369-383.	1.7	16
76	Intracellular lipid content is a key intrinsic determinant for hepatocyte viability and metabolic and inflammatory states in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1115-E1123.	3.5	16
77	Selective inhibition of cullin 3 neddylation through covalent targeting DCN1 protects mice from acetaminophen-induced liver toxicity. <i>Nature Communications</i> , 2021, 12, 2621.	12.8	15
78	Neuronal Cbl Controls Biosynthesis of Insulin-Like Peptides in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biology</i> , 2012, 32, 3610-3623.	2.3	14
79	SH2B1 in $\hat{\beta}$ -Cells Promotes Insulin Expression and Glucose Metabolism in Mice. <i>Molecular Endocrinology</i> , 2014, 28, 696-705.	3.7	13
80	4E-BP2/SH2B1/IRS2 Are Part of a Novel Feedback Loop That Controls $\hat{\beta}$ -Cell Mass. <i>Diabetes</i> , 2016, 65, 2235-2248.	0.6	13
81	Leptin Induces Epigenetic Regulation of Transient Receptor Potential Melastatin 7 in Rat Adrenal Pheochromocytoma Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 214-221.	2.9	13
82	The Effect of SH2B1 Variants on Expression of Leptin- and Insulin-Induced Pathways in Murine Hypothalamus. <i>Obesity Facts</i> , 2018, 11, 93-108.	3.4	12
83	Adapter Protein SH2- $\hat{\beta}$ 2 Stimulates Actin-Based Motility of <i>Listeria monocytogenes</i> in a Vasodilator-Stimulated Phosphoprotein (VASP)-Dependent Fashion. <i>Infection and Immunity</i> , 2007, 75, 3581-3593.	2.2	10
84	A critical role for hepatic protein arginine methyltransferase 1 isoform 2 in glycemic control. <i>FASEB Journal</i> , 2020, 34, 14863-14877.	0.5	5
85	Dysregulation of intercellular signaling by MOF deletion leads to liver injury. <i>Journal of Biological Chemistry</i> , 2021, 296, 100235.	3.4	4
86	Neuronal SH2B1 attenuates apoptosis in an MPTP mouse model of Parkinson's disease via promoting PLIN4 degradation. <i>Redox Biology</i> , 2022, 52, 102308.	9.0	4
87	New Antidiabetes Agent Targeting Both Mitochondrial Uncoupling and Pyruvate Catabolism: Two Birds With One Stone. <i>Diabetes</i> , 2019, 68, 2195-2196.	0.6	1
88	Neuronal Src homology 2 B adaptor protein 1 and brain growth. , 2021, , 157-166.		0