

# Ling Qi

## 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.

84  
papers

5,255  
citations

40  
h-index

72  
g-index

87  
ext. papers

6,392  
ext. citations

10.9  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
84	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. <i>Nature</i> , <b>2005</b> , 437, 1109-1114	30.4	783
83	TRB3 links the E3 ubiquitin ligase COP1 to lipid metabolism. <i>Science</i> , <b>2006</b> , 312, 1763-6	33.3	240
82	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. <i>Molecular Cell</i> , <b>2019</b> , 75, 644-660.e5	17.6	218
81	Mechanisms of inflammatory responses in obese adipose tissue. <i>Annual Review of Nutrition</i> , <b>2012</b> , 32, 261-86	9.9	207
80	The IRE1alpha-XBP1 pathway of the unfolded protein response is required for adipogenesis. <i>Cell Metabolism</i> , <b>2009</b> , 9, 556-64	24.6	203
79	Angptl4 protects against severe proinflammatory effects of saturated fat by inhibiting fatty acid uptake into mesenteric lymph node macrophages. <i>Cell Metabolism</i> , <b>2010</b> , 12, 580-92	24.6	178
78	Quality Control in the Endoplasmic Reticulum: Crosstalk between ERAD and UPR pathways. <i>Trends in Biochemical Sciences</i> , <b>2018</b> , 43, 593-605	10.3	163
77	Activation of natural killer T cells promotes M2 Macrophage polarization in adipose tissue and improves systemic glucose tolerance via interleukin-4 (IL-4)/STAT6 protein signaling axis in obesity. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 13561-71	5.4	155
76	A CRISPR-Based Screen Identifies Genes Essential for West-Nile-Virus-Induced Cell Death. <i>Cell Reports</i> , <b>2015</b> , 12, 673-83	10.6	150
75	Adipocyte CREB promotes insulin resistance in obesity. <i>Cell Metabolism</i> , <b>2009</b> , 9, 277-86	24.6	139
74	IRE1 $\alpha$ is an endogenous substrate of endoplasmic-reticulum-associated degradation. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 1546-55	23.4	115
73	Gr-1+ CD11b+ myeloid-derived suppressor cells suppress inflammation and promote insulin sensitivity in obesity. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 23591-9	5.4	111
72	Short term high fat diet challenge promotes alternative macrophage polarization in adipose tissue via natural killer T cells and interleukin-4. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 24378-86	5.4	107
71	New Insights into the Physiological Role of Endoplasmic Reticulum-Associated Degradation. <i>Trends in Cell Biology</i> , <b>2017</b> , 27, 430-440	18.3	102
70	Sel1L is indispensable for mammalian endoplasmic reticulum-associated degradation, endoplasmic reticulum homeostasis, and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E582-91	11.5	101
69	Designing a retrievable and scalable cell encapsulation device for potential treatment of type 1 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E263-E272	11.5	97
68	The pseudokinase tribbles homolog 3 interacts with ATF4 to negatively regulate insulin exocytosis in human and mouse beta cells. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2876-88	15.9	92

67	Direct control of hepatic glucose production by interleukin-13 in mice. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 261-71	15.9	92
66	XBP-1 couples endoplasmic reticulum stress to augmented IFN-beta induction via a cis-acting enhancer in macrophages. <i>Journal of Immunology</i> , <b>2010</b> , 185, 2324-30	5.3	91
65	Emerging roles for XBP1, a sUPeR transcription factor. <i>Gene Expression</i> , <b>2010</b> , 15, 13-25	3.4	78
64	Developing robust, hydrogel-based, nanofiber-enabled encapsulation devices (NEEDs) for cell therapies. <i>Biomaterials</i> , <b>2015</b> , 37, 40-8	15.6	69
63	High-Resolution Metabolomics with Acyl-CoA Profiling Reveals Widespread Remodeling in Response to Diet. <i>Molecular and Cellular Proteomics</i> , <b>2015</b> , 14, 1489-500	7.6	68
62	PKA phosphorylation couples hepatic inositol-requiring enzyme 1alpha to glucagon signaling in glucose metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 15852-7	11.5	64
61	IRE1 governs cytoskeleton remodelling and cell migration through a direct interaction with filamin A. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 942-953	23.4	63
60	Stressed out about obesity: IRE1/XBP1 in metabolic disorders. <i>Trends in Endocrinology and Metabolism</i> , <b>2011</b> , 22, 374-81	8.8	63
59	The ER-associated degradation adaptor protein Sel1L regulates LPL secretion and lipid metabolism. <i>Cell Metabolism</i> , <b>2014</b> , 20, 458-70	24.6	62
58	The roles of ATF3, an adaptive-response gene, in high-fat-diet-induced diabetes and pancreatic beta-cell dysfunction. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 1423-33		58
57	The ATP-P2X7 signaling axis is dispensable for obesity-associated inflammasome activation in adipose tissue. <i>Diabetes</i> , <b>2012</b> , 61, 1471-8	0.9	58
56	Tumor cells present MHC class II-restricted nuclear and mitochondrial antigens and are the predominant antigen presenting cells in vivo. <i>Journal of Immunology</i> , <b>2000</b> , 165, 5451-61	5.3	58
55	ER-stress-associated functional link between Parkin and DJ-1 via a transcriptional cascade involving the tumor suppressor p53 and the spliced X-box binding protein XBP-1. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 2124-33	5.3	57
54	Deficiency of suppressor enhancer Lin12 1 like (SEL1L) in mice leads to systemic endoplasmic reticulum stress and embryonic lethality. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 13694-703	5.4	57
53	SUMO modification regulates the transcriptional activity of XBP1. <i>Biochemical Journal</i> , <b>2010</b> , 429, 95-103	3.8	55
52	A Phos-tag-based approach reveals the extent of physiological endoplasmic reticulum stress. <i>PLoS ONE</i> , <b>2010</b> , 5, e11621	3.7	52
51	Short telomeres and ataxia-telangiectasia mutated deficiency cooperatively increase telomere dysfunction and suppress tumorigenesis. <i>Cancer Research</i> , <b>2003</b> , 63, 8188-96	10.1	52
50	Coordinate regulation of mutant NPC1 degradation by selective ER autophagy and MARCH6-dependent ERAD. <i>Nature Communications</i> , <b>2018</b> , 9, 3671	17.4	49

49	Nonmuscle myosin IIB links cytoskeleton to IRE1 $\beta$ signaling during ER stress. <i>Developmental Cell</i> , <b>2012</b> , 23, 1141-52	10.2	45
48	Hypoxia-inducible lipid droplet-associated (HILPDA) is a novel peroxisome proliferator-activated receptor (PPAR) target involved in hepatic triglyceride secretion. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 19279-93	5.4	42
47	Cell-based vaccines for the stimulation of immunity to metastatic cancers. <i>Immunological Reviews</i> , <b>1999</b> , 170, 101-14	11.3	42
46	Endoplasmic reticulum quality control in cancer: Friend or foe. <i>Seminars in Cancer Biology</i> , <b>2015</b> , 33, 25-33	12.7	40
45	The full capacity of AICAR to reduce obesity-induced inflammation and insulin resistance requires myeloid SIRT1. <i>PLoS ONE</i> , <b>2012</b> , 7, e49935	3.7	40
44	Endoplasmic reticulum-associated degradation regulates mitochondrial dynamics in brown adipocytes. <i>Science</i> , <b>2020</b> , 368, 54-60	33.3	39
43	ER-associated degradation is required for vasopressin prohormone processing and systemic water homeostasis. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3897-3912	15.9	37
42	Diet-induced alterations in gut microflora contribute to lethal pulmonary damage in TLR2/TLR4-deficient mice. <i>Cell Reports</i> , <b>2014</b> , 8, 137-49	10.6	35
41	A conserved structural determinant located at the interdomain region of mammalian inositol-requiring enzyme 1 $\alpha$ . <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 30859-30866	5.4	34
40	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic $\beta$ cells in diet-induced obesity. <i>Nature Immunology</i> , <b>2019</b> , 20, 677-686	19.1	30
39	Misfolded proinsulin in the endoplasmic reticulum during development of beta cell failure in diabetes. <i>Annals of the New York Academy of Sciences</i> , <b>2018</b> , 1418, 5-19	6.5	29
38	Detecting and quantitating physiological endoplasmic reticulum stress. <i>Methods in Enzymology</i> , <b>2011</b> , 490, 137-46	1.7	29
37	The Sel1L-Hrd1 Endoplasmic Reticulum-Associated Degradation Complex Manages a Key Checkpoint in B Cell Development. <i>Cell Reports</i> , <b>2016</b> , 16, 2630-2640	10.6	27
36	Hepatic Sel1L-Hrd1 ER-associated degradation (ERAD) manages FGF21 levels and systemic metabolism via CREBH. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	27
35	Hypothalamic ER-associated degradation regulates POMC maturation, feeding, and age-associated obesity. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1125-1140	15.9	26
34	The obesity-induced adipokine sST2 exacerbates adipose T and ILC2 depletion and promotes insulin resistance. <i>Science Advances</i> , <b>2020</b> , 6, eaay6191	14.3	25
33	Adipocyte spliced form of X-box-binding protein 1 promotes adiponectin multimerization and systemic glucose homeostasis. <i>Diabetes</i> , <b>2014</b> , 63, 867-79	0.9	24
32	Epithelial Sel1L is required for the maintenance of intestinal homeostasis. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 483-90	3.5	23

31	Telomere fusion to chromosome breaks reduces oncogenic translocations and tumour formation. <i>Nature Cell Biology</i> , <b>2005</b> , 7, 706-11	23.4	23
30	Fish Oil-Rich Diet Promotes Hematopoiesis and Alters Hematopoietic Niche. <i>Endocrinology</i> , <b>2015</b> , 156, 2821-30	4.8	22
29	ER-associated degradation in health and disease - from substrate to organism. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	22
28	MHC class II presentation of endogenous tumor antigen by cellular vaccines depends on the endocytic pathway but not H2-M. <i>Traffic</i> , <b>2000</b> , 1, 152-60	5.7	21
27	Lipoprotein Lipase and Its Regulators: An Unfolding Story. <i>Trends in Endocrinology and Metabolism</i> , <b>2021</b> , 32, 48-61	8.8	21
26	Intrinsic Structural Features of the Human IRE1 $\alpha$ Transmembrane Domain Sense Membrane Lipid Saturation. <i>Cell Reports</i> , <b>2019</b> , 27, 307-320.e5	10.6	20
25	Phenformin activates the unfolded protein response in an AMP-activated protein kinase (AMPK)-dependent manner. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 13631-8	5.4	19
24	Hypoxia-Inducible Lipid Droplet-Associated Is Not a Direct Physiological Regulator of Lipolysis in Adipose Tissue. <i>Endocrinology</i> , <b>2017</b> , 158, 1231-1251	4.8	17
23	Chronic intake of high fish oil diet induces myeloid-derived suppressor cells to promote tumor growth. <i>Cancer Immunology, Immunotherapy</i> , <b>2014</b> , 63, 663-73	7.4	17
22	Overexpression of TRB3 in muscle alters muscle fiber type and improves exercise capacity in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R925-33	3.2	17
21	Medullary thymic epithelial NF- $\kappa$ B-inducing kinase (NIK)/IKK $\beta$ 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> , <b>2019</b> , 116, 19090-19097	11.5	15
20	H2-O inhibits presentation of bacterial superantigens, but not endogenous self antigens. <i>Journal of Immunology</i> , <b>2001</b> , 167, 1371-8	5.3	14
19	Sel1L-Hrd1 ER-associated degradation maintains $\beta$ cell identity via TGF- $\beta$ signaling. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3499-3510	15.9	14
18	Feeding mice fat promotes foam cell formation in mesenteric lymph nodes without leading to ascites. <i>Journal of Lipid Research</i> , <b>2017</b> , 58, 1100-1113	6.3	13
17	ER-associated degradation preserves hematopoietic stem cell quiescence and self-renewal by restricting mTOR activity. <i>Blood</i> , <b>2020</b> , 136, 2975-2986	2.2	12
16	PERK and XBP1 differentially regulate CXCL10 and CCL2 production. <i>Experimental Eye Research</i> , <b>2017</b> , 155, 1-14	3.7	11
15	Requirement for translocon-associated protein (TRAP) $\beta$ in insulin biogenesis. <i>Science Advances</i> , <b>2019</b> , 5, eaax0292	14.3	10
14	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	10

13	Endoplasmic Reticulum Protein Quality Control in $\beta$ Cells. <i>Seminars in Cell and Developmental Biology</i> , <b>2020</b> , 103, 59-67	7.5	9
12	Haploid insufficiency of suppressor enhancer Lin12 1-like (SEL1L) protein predisposes mice to high fat diet-induced hyperglycemia. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 22275-82	5.4	9
11	Selective EMC subunits act as molecular tethers of intracellular organelles exploited during viral entry. <i>Nature Communications</i> , <b>2020</b> , 11, 1127	17.4	8
10	Invariant chain and the MHC class II cytoplasmic domains regulate localization of MHC class II molecules to lipid rafts in tumor cell-based vaccines. <i>Journal of Immunology</i> , <b>2004</b> , 172, 907-14	5.3	7
9	NOTCH3 is non-enzymatically fragmented in inherited cerebral small-vessel disease. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 1960-1972	5.4	6
8	Protein quality control through endoplasmic reticulum-associated degradation maintains haematopoietic stem cell identity and niche interactions. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 1162-1169	23.4	6
7	The transcriptional co-regulator HCF-1 is required for INS-1 $\beta$ cell glucose-stimulated insulin secretion. <i>PLoS ONE</i> , <b>2013</b> , 8, e78841	3.7	3
6	Endoplasmic reticulum-associated degradation is required for nephrin maturation and kidney glomerular filtration function. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	3
5	Tipping the balance in metabolic regulation: regulating regulatory T cells by costimulation. <i>Diabetes</i> , <b>2014</b> , 63, 1179-81	0.9	2
4	Transcription- and phosphorylation-dependent control of a functional interplay between XBP1s and PINK1 governs mitophagy and potentially impacts Parkinson disease pathophysiology. <i>Autophagy</i> , <b>2021</b> , 1-23	10.2	2
3	Endoplasmic reticulum associated degradation preserves hematopoietic stem cell quiescence and self-renewal by restricting mTOR activity		1
2	Immunologic Targets for the Gene Therapy of Cancer <b>2002</b> , 127-142		
1	A Conserved Structural Determinant Located at the Interdomain Region of Mammalian IRE1 $\alpha$ <i>FASEB Journal</i> , <b>2013</b> , 27, 794.18	0.9	