

# Ling Qi

## List of Publications by Year in descending order

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84  
papers

7,415  
citations

53660

45  
h-index

58464

82  
g-index

87  
all docs

87  
docs citations

87  
times ranked

11940  
citing authors

#	ARTICLE	IF	CITATIONS
1	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. <i>Nature</i> , 2005, 437, 1109-1114.	13.7	888
2	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. <i>Molecular Cell</i> , 2019, 75, 644-660.e5.	4.5	488
3	Quality Control in the Endoplasmic Reticulum: Crosstalk between ERAD and UPR pathways. <i>Trends in Biochemical Sciences</i> , 2018, 43, 593-605.	3.7	342
4	TRB3 Links the E3 Ubiquitin Ligase COP1 to Lipid Metabolism. <i>Science</i> , 2006, 312, 1763-1766.	6.0	286
5	Mechanisms of Inflammatory Responses in Obese Adipose Tissue. <i>Annual Review of Nutrition</i> , 2012, 32, 261-286.	4.3	242
6	The IRE1 $\alpha$ -XBP1 Pathway of the Unfolded Protein Response Is Required for Adipogenesis. <i>Cell Metabolism</i> , 2009, 9, 556-564.	7.2	235
7	Angptl4 Protects against Severe Proinflammatory Effects of Saturated Fat by Inhibiting Fatty Acid Uptake into Mesenteric Lymph Node Macrophages. <i>Cell Metabolism</i> , 2010, 12, 580-592.	7.2	225
8	A CRISPR-Based Screen Identifies Genes Essential for West-Nile-Virus-Induced Cell Death. <i>Cell Reports</i> , 2015, 12, 673-683.	2.9	207
9	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> , 2012, 287, 13561-13571.	1.6	182
10	IRE1 $\alpha$ is an endogenous substrate of endoplasmic-reticulum-associated degradation. <i>Nature Cell Biology</i> , 2015, 17, 1546-1555.	4.6	173
11	New Insights into the Physiological Role of Endoplasmic Reticulum-Associated Degradation. <i>Trends in Cell Biology</i> , 2017, 27, 430-440.	3.6	167
12	Adipocyte CREB Promotes Insulin Resistance in Obesity. <i>Cell Metabolism</i> , 2009, 9, 277-286.	7.2	157
13	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> , 2014, 111, E582-91.	3.3	148
14	Gr-1+ CD11b+ Myeloid-derived Suppressor Cells Suppress Inflammation and Promote Insulin Sensitivity in Obesity. <i>Journal of Biological Chemistry</i> , 2011, 286, 23591-23599.	1.6	140
15	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> , 2018, 115, E263-E272.	3.3	137
16	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> , 2012, 287, 24378-24386.	1.6	128
17	Direct control of hepatic glucose production by interleukin-13 in mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 261-271.	3.9	116
18	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> , 2010, 120, 2876-2888.	3.9	113

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19	XBP-1 Couples Endoplasmic Reticulum Stress to Augmented IFN- $\gamma$ Induction via a cis-Acting Enhancer in Macrophages. <i>Journal of Immunology</i> , 2010, 185, 2324-2330.	0.4	110
20	Endoplasmic reticulum-associated degradation regulates mitochondrial dynamics in brown adipocytes. <i>Science</i> , 2020, 368, 54-60.	6.0	107
21	IRE1 $\beta$ governs cytoskeleton remodelling and cell migration through a direct interaction with filamin A. <i>Nature Cell Biology</i> , 2018, 20, 942-953.	4.6	98
22	High-Resolution Metabolomics with Acyl-CoA Profiling Reveals Widespread Remodeling in Response to Diet*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1489-1500.	2.5	95
23	Emerging Roles for XBP1, a sUPeR Transcription Factor. <i>Gene Expression</i> , 2010, 15, 13-25.	0.5	93
24	The ER-Associated Degradation Adaptor Protein Sel1L Regulates LPL Secretion and Lipid Metabolism. <i>Cell Metabolism</i> , 2014, 20, 458-470.	7.2	92
25	Lipoprotein Lipase and Its Regulators: An Unfolding Story. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 48-61.	3.1	86
26	Coordinate regulation of mutant NPC1 degradation by selective ER autophagy and MARCH6-dependent ERAD. <i>Nature Communications</i> , 2018, 9, 3671.	5.8	82
27	Developing robust, hydrogel-based, nanofiber-enabled encapsulation devices (NEEDs) for cell therapies. <i>Biomaterials</i> , 2015, 37, 40-48.	5.7	81
28	The Roles of ATF3, an Adaptive-Response Gene, in High-Fat-Diet-Induced Diabetes and Pancreatic $\beta$ -Cell Dysfunction. <i>Molecular Endocrinology</i> , 2010, 24, 1423-1433.	3.7	77
29	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> , 2010, 285, 13694-13703.	1.6	76
30	Stressed out about obesity: IRE1 $\beta$ -XBP1 in metabolic disorders. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 374-381.	3.1	76
31	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
32	ER-associated degradation in health and disease – from substrate to organism. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	72
33	A Phos-Tag-Based Approach Reveals the Extent of Physiological Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , 2010, 5, e11621.	1.1	67
34	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> , 2013, 126, 2124-33.	1.2	65
35	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> , 2000, 165, 5451-5461.	0.4	64
36	ER-associated degradation is required for vasopressin prohormone processing and systemic water homeostasis. <i>Journal of Clinical Investigation</i> , 2017, 127, 3897-3912.	3.9	63

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37	The ATP-P2X7 Signaling Axis Is Dispensable for Obesity-Associated Inflammasome Activation in Adipose Tissue. <i>Diabetes</i> , 2012, 61, 1471-1478.	0.3	62
38	Endoplasmic reticulum quality control in cancer: Friend or foe. <i>Seminars in Cancer Biology</i> , 2015, 33, 25-33.	4.3	62
39	SUMO modification regulates the transcriptional activity of XBP1. <i>Biochemical Journal</i> , 2010, 429, 95-102.	1.7	61
40	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> , 2014, 289, 19279-19293.	1.6	61
41	Misfolded proinsulin in the endoplasmic reticulum during development of beta cell failure in diabetes. <i>Annals of the New York Academy of Sciences</i> , 2018, 1418, 5-19.	1.8	57
42	Short telomeres and ataxia-telangiectasia mutated deficiency cooperatively increase telomere dysfunction and suppress tumorigenesis. <i>Cancer Research</i> , 2003, 63, 8188-96.	0.4	56
43	Hepatic Sel1L-Hrd1 ER-associated degradation (ERAD) manages FGF21 levels and systemic metabolism via CREBH. <i>EMBO Journal</i> , 2018, 37, .	3.5	55
44	Nonmuscle Myosin IIB Links Cytoskeleton to IRE1 $\pm$ Signaling during ER Stress. <i>Developmental Cell</i> , 2012, 23, 1141-1152.	3.1	54
45	Hypothalamic ER-associated degradation regulates POMC maturation, feeding, and age-associated obesity. <i>Journal of Clinical Investigation</i> , 2018, 128, 1125-1140.	3.9	54
46	Sel1L-Hrd1 ER-associated degradation maintains $\beta^2$ cell identity via TGF- $\beta^2$ signaling. <i>Journal of Clinical Investigation</i> , 2020, 130, 3499-3510.	3.9	52
47	Cell-based vaccines for the stimulation of immunity to metastatic cancers. <i>Immunological Reviews</i> , 1999, 170, 101-114.	2.8	48
48	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic $\beta^2$ cells in diet-induced obesity. <i>Nature Immunology</i> , 2019, 20, 677-686.	7.0	48
49	The Full Capacity of AICAR to Reduce Obesity-Induced Inflammation and Insulin Resistance Requires Myeloid SIRT1. <i>PLoS ONE</i> , 2012, 7, e49935.	1.1	47
50	Diet-Induced Alterations in Gut Microflora Contribute to Lethal Pulmonary Damage in TLR2/TLR4-Deficient Mice. <i>Cell Reports</i> , 2014, 8, 137-149.	2.9	43
51	The Sel1L-Hrd1 Endoplasmic Reticulum-Associated Degradation Complex Manages a Key Checkpoint in B Cell Development. <i>Cell Reports</i> , 2016, 16, 2630-2640.	2.9	43
52	The obesity-induced adipokine sST2 exacerbates adipose T <sub>reg</sub> and ILC2 depletion and promotes insulin resistance. <i>Science Advances</i> , 2020, 6, eaay6191.	4.7	43
53	A Conserved Structural Determinant Located at the Interdomain Region of Mammalian Inositol-requiring Enzyme 1 $\pm$ . <i>Journal of Biological Chemistry</i> , 2011, 286, 30859-30866.	1.6	41
54	ER-associated degradation preserves hematopoietic stem cell quiescence and self-renewal by restricting mTOR activity. <i>Blood</i> , 2020, 136, 2975-2986.	0.6	40

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55	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	39
56	Detecting and Quantitating Physiological Endoplasmic Reticulum Stress. <i>Methods in Enzymology</i> , 2011, 490, 137-146.	0.4	36
57	Epithelial Sel1L is required for the maintenance of intestinal homeostasis. <i>Molecular Biology of the Cell</i> , 2016, 27, 483-490.	0.9	36
58	Intrinsic Structural Features of the Human IRE1 $\pm$ Transmembrane Domain Sense Membrane Lipid Saturation. <i>Cell Reports</i> , 2019, 27, 307-320.e5.	2.9	34
59	Adipocyte Spliced Form of X-Box $\alpha$ Binding Protein 1 Promotes Adiponectin Multimerization and Systemic Glucose Homeostasis. <i>Diabetes</i> , 2014, 63, 867-879.	0.3	33
60	Protein quality control through endoplasmic reticulum-associated degradation maintains haematopoietic stem cell identity and niche interactions. <i>Nature Cell Biology</i> , 2020, 22, 1162-1169.	4.6	32
61	Fish Oil $\alpha$ Rich Diet Promotes Hematopoiesis and Alters Hematopoietic Niche. <i>Endocrinology</i> , 2015, 156, 2821-2830.	1.4	30
62	Telomere fusion to chromosome breaks reduces oncogenic translocations and tumour formation. <i>Nature Cell Biology</i> , 2005, 7, 706-711.	4.6	28
63	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> , 2014, 306, R925-R933.	0.9	26
64	Transcription- and phosphorylation-dependent control of a functional interplay between XBP1s and PINK1 governs mitophagy and potentially impacts Parkinson disease pathophysiology. <i>Autophagy</i> , 2021, 17, 4363-4385.	4.3	26
65	MHC Class II Presentation of Endogenous Tumor Antigen by Cellular Vaccines Depends on the Endocytic Pathway but not H2-M. <i>Traffic</i> , 2000, 1, 152-160.	1.3	25
66	Medullary thymic epithelial NF $\alpha$ KB-inducing kinase (NIK)/IKK $\pm$ 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
67	Hypoxia-Inducible Lipid Droplet $\alpha$ Associated Is Not a Direct Physiological Regulator of Lipolysis in Adipose Tissue. <i>Endocrinology</i> , 2017, 158, 1231-1251.	1.4	24
68	Phenformin Activates the Unfolded Protein Response in an AMP-activated Protein Kinase (AMPK)-dependent Manner. <i>Journal of Biological Chemistry</i> , 2013, 288, 13631-13638.	1.6	22
69	Feeding Angptl4 $\alpha$ mice trans fat promotes foam cell formation in mesenteric lymph nodes without leading to ascites. <i>Journal of Lipid Research</i> , 2017, 58, 1100-1113.	2.0	22
70	Endoplasmic Reticulum Protein Quality Control in $\beta$ Cells. <i>Seminars in Cell and Developmental Biology</i> , 2020, 103, 59-67.	2.3	22
71	Requirement for translocon-associated protein (TRAP) $\pm$ in insulin biogenesis. <i>Science Advances</i> , 2019, 5, eaax0292.	4.7	21
72	Endoplasmic reticulum $\alpha$ associated degradation is required for nephrin maturation and kidney glomerular filtration function. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	21

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73	PERK and XBP1 differentially regulate CXCL10 and CCL2 production. <i>Experimental Eye Research</i> , 2017, 155, 1-14.	1.2	20
74	Chronic intake of high fish oil diet induces myeloid-derived suppressor cells to promote tumor growth. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 663-673.	2.0	17
75	Selective EMC subunits act as molecular tethers of intracellular organelles exploited during viral entry. <i>Nature Communications</i> , 2020, 11, 1127.	5.8	17
76	NOTCH3 is non-enzymatically fragmented in inherited cerebral small-vessel disease. <i>Journal of Biological Chemistry</i> , 2020, 295, 1960-1972.	1.6	16
77	H2-O Inhibits Presentation of Bacterial Superantigens, but Not Endogenous Self Antigens. <i>Journal of Immunology</i> , 2001, 167, 1371-1378.	0.4	14
78	Notch-induced endoplasmic reticulum-associated degradation governs mouse thymocyte $\beta$ 2 $\mu$ selection. <i>ELife</i> , 2021, 10, .	2.8	13
79	Haploid Insufficiency of Suppressor Enhancer Lin12 1-like (SEL1L) Protein Predisposes Mice to High Fat Diet-induced Hyperglycemia. <i>Journal of Biological Chemistry</i> , 2011, 286, 22275-22282.	1.6	11
80	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> , 2004, 172, 907-914.	0.4	8
81	The Transcriptional Co-Regulator HCF-1 Is Required for INS-1 $\beta$ 2-cell Glucose-Stimulated Insulin Secretion. <i>PLoS ONE</i> , 2013, 8, e78841.	1.1	7
82	Tipping the Balance in Metabolic Regulation: Regulating Regulatory T Cells by Costimulation. <i>Diabetes</i> , 2014, 63, 1179-1181.	0.3	2
83	Immunologic Targets for the Gene Therapy of Cancer. , 2002, , 127-142.		2
84	A Conserved Structural Determinant Located at the Interdomain Region of Mammalian IRE1 $\beta$ . <i>FASEB Journal</i> , 2013, 27, 794.18.	0.2	0