Kezhong Zhang

List of Publications by Year
in descending order

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		108046	58552
90	9,487	37	86
papers	citations	h-index	g-index

91	91	91	14345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An updated ANGPTL3-4-8 model as a mechanism of triglyceride partitioning between fat and oxidative tissues. Progress in Lipid Research, 2022, 85, 101140.	5.3	41
2	Analysis of Insulin Resistance in Nonalcoholic Steatohepatitis. Methods in Molecular Biology, 2022, 2455, 233-241.	0.4	1
3	Stress-induced Regulators of Intestinal Fat Absorption. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1469-1470.	2.3	2
4	Inhalation Exposure to Airborne PM _{2.5} Induces Integrated Organelle Stress Response in the Liver. FASEB Journal, 2022, 36, .	0.2	0
5	MicroRNA-466 and microRNA-200 increase endothelial permeability in hyperglycemia by targeting Claudin-5. Molecular Therapy - Nucleic Acids, 2022, 29, 259-271.	2.3	7
6	Intestinal Dysbiosis in Young Cystic Fibrosis Rabbits. Journal of Personalized Medicine, 2021, 11, 132.	1.1	6
7	Inositolâ€Requiring Enzyme 1Î±â€“Mediated Synthesis of Monounsaturated Fatty Acids as a Driver of B Cell Differentiation and Lupusâ€like Autoimmune Disease. Arthritis and Rheumatology, 2021, 73, 2314-2326.	2.9	9
8	Regulation of hepatic circadian metabolism by the E3 ubiquitin ligase HRD1-controlled CREBH/PPARÎ± transcriptional program. Molecular Metabolism, 2021, 49, 101192.	3.0	14
9	ER Stress and Micronuclei Cluster: Stress Response Contributes to Genome Chaos in Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 673188.	1.8	6
10	Toll-like receptor 3 ablation prevented high-fat diet-induced obesity and metabolic disorder. Journal of Nutritional Biochemistry, 2021, 95, 108761.	1.9	9
11	Phenotypes of CF rabbits generated by CRISPR/Cas9-mediated disruption of the CFTR gene. JCI Insight, 2021, 6, .	2.3	20
12	Type 2 diabetes sex-specific effects associated with E167K coding variant in TM6SF2. IScience, 2021, 24, 103196.	1.9	10
13	Mitochondrial Nuclear Retrograde Regulator 1 (MNRR1) rescues the cellular phenotype of MELAS by inducing homeostatic mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32056-32065.	3.3	31
14	The UPR Transducer IRE1 Promotes Breast Cancer Malignancy by Degrading Tumor Suppressor microRNAs. IScience, 2020, 23, 101503.	1.9	25
15	Tollâ€like receptor 2 (TLR2) engages endoplasmic reticulum stress sensor IRE1Î± to regulate retinal innate responses in Staphylococcus aureus endophthalmitis. FASEB Journal, 2020, 34, 13826-13838.	0.2	11
16	Hepatic E4BP4 induction promotes lipid accumulation by suppressing AMPK signaling in response to chemical or dietâ€induced ER stress. FASEB Journal, 2020, 34, 13533-13547.	0.2	16
17	YY1 directly interacts with myocardin to repress the triad myocardin/SRF/CArG box-mediated smooth muscle gene transcription during smooth muscle phenotypic modulation. Scientific Reports, 2020, 10, 21781.	1.6	12
18	Mechanisms, regulation and functions of the unfolded protein response. Nature Reviews Molecular Cell Biology, 2020, 21, 421-438.	16.1	1,129

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19	Modulating Heparanase Activity: Tuning Sulfation Pattern and Glycosidic Linkage of Oligosaccharides. Journal of Medicinal Chemistry, 2020, 63, 4227-4255.	2.9	10
20	Ambient fine particulate matter disrupts hepatic circadian oscillation and lipid metabolism in a mouse model. Environmental Pollution, 2020, 262, 114179.	3.7	35
21	Ambient fine particulate matter exposure perturbed circadian rhythm and oscillations of lipid metabolism in adipose tissues. Chemosphere, 2020, 251, 126392.	4.2	20
22	Airborne Particulates Affect Corneal Homeostasis and Immunity. , 2020, 61, 23.		14
23	Sex-dependent effects of ambient PM2.5 pollution on insulin sensitivity and hepatic lipid metabolism in mice. Particle and Fibre Toxicology, 2020, 17, 14.	2.8	44
24	MKP-1 Modulates Mitochondrial Transcription Factors, Oxidative Phosphorylation, and Glycolysis. ImmunoHorizons, 2020, 4, 245-258.	0.8	11
25	PM_{2.5} exposure induces systemic inflammation and oxidative stress in an intracranial atherosclerosis rat model. Environmental Toxicology, 2019, 34, 530-538.	2.1	82
26	Ameliorating Methylglyoxal-Induced Progenitor Cell Dysfunction for Tissue Repair in Diabetes. Diabetes, 2019, 68, 1287-1302.	0.3	25
27	Regulation of hepatic autophagy by stressâ€sensing transcription factor CREBH. FASEB Journal, 2019, 33, 7896-7914.	0.2	18
28	HIF-1Î± regulates IL-1Î² and IL-17 in sarcoidosis. ELife, 2019, 8, .	2.8	50
29	â€œNOâ€•to Autophagy: Fat Does the Trick for Diabetes. Diabetes, 2018, 67, 180-181.	0.3	10
30	Molecular architecture of mouse and human pancreatic zymogen granules: protein components and their copy numbers. Biophysics Reports, 2018, 4, 94-103.	0.2	3
31	Deficiency of the Mitochondrial NAD Kinase Causes Stress-Induced Hepatic Steatosis in Mice. Gastroenterology, 2018, 154, 224-237.	0.6	35
32	HRD1â€ERAD controls production of the hepatokine FGF21 through CREBH polyubiquitination. EMBO Journal, 2018, 37, .	3.5	43
33	Hepatic Sel1Lâ€Hrd1 ERâ€associated degradation (ERAD) manages FGF21 levels and systemic metabolism via CREBH. EMBO Journal, 2018, 37, .	3.5	55
34	ER-associated ubiquitin ligase HRD1 programs liver metabolism by targeting multiple metabolic enzymes. Nature Communications, 2018, 9, 3659.	5.8	42
35	IRE1Î± prevents hepatic steatosis by processing and promoting the degradation of select microRNAs. Science Signaling, 2018, 11, .	1.6	95
36	The endoplasmic reticulumâ€“resident E3 ubiquitin ligase Hrd1 controls a critical checkpoint in B cell development in mice. Journal of Biological Chemistry, 2018, 293, 12934-12944.	1.6	25

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37	NRG1-Fc improves metabolic health via dual hepatic and central action. JCI Insight, 2018, 3, .	2.3	37
38	CREBH mediates metabolic inflammation to hepatic VLDL overproduction and hyperlipoproteinemia. Journal of Molecular Medicine, 2017, 95, 839-849.	1.7	16
39	CREBH Maintains Circadian Glucose Homeostasis by Regulating Hepatic Glycogenolysis and Gluconeogenesis. Molecular and Cellular Biology, 2017, 37, .	1.1	46
40	SUMOylation represses the transcriptional activity of the Unfolded Protein Response transducer ATF6. Biochemical and Biophysical Research Communications, 2017, 494, 446-451.	1.0	9
41	Inhalation Exposure to PM2.5 Counteracts Hepatic Steatosis in Mice Fed High-fat Diet by Stimulating Hepatic Autophagy. Scientific Reports, 2017, 7, 16286.	1.6	33
42	Inositol-Requiring Enzyme 1 Facilitates Diabetic Wound Healing Through Modulating MicroRNAs. Diabetes, 2017, 66, 177-192.	0.3	47
43	Interaction between stress responses and circadian metabolism in metabolic disease. Liver Research, 2017, 1, 156-162.	0.5	16
44	Fumonisin B1 Inhibits Endoplasmic Reticulum Stress Associated-apoptosis After FoscanPDT Combined with C6-Pyridinium Ceramide or Fenretinide. Anticancer Research, 2017, 37, 455-464.	0.5	9
45	SM22Î± suppresses cytokine-induced inflammation and the transcription of NF-ÎºB inducing kinase (Nik) by modulating SRF transcriptional activity in vascular smooth muscle cells. PLoS ONE, 2017, 12, e0190191.	1.1	13
46	HDAC2 overexpression correlates with aggressive clinicopathological features and DNA-damage response pathway of breast cancer. American Journal of Cancer Research, 2017, 7, 1213-1226.	1.4	29
47	ER Stress-induced Inflammasome Activation Contributes to Hepatic Inflammation and Steatosis. Journal of Clinical & Cellular Immunology, 2016, 7, .	1.5	34
48	Microarray analysis of microRNA expression in bone marrow-derived progenitor cells from mice with type 2 diabetes. Genomics Data, 2016, 7, 86-87.	1.3	2
49	Toll-like Receptor (TLR) Signaling Interacts with CREBH to Modulate High-density Lipoprotein (HDL) in Response to Bacterial Endotoxin. Journal of Biological Chemistry, 2016, 291, 23149-23158.	1.6	20
50	Nogoâ€Ɓ receptor deficiency increases liver X receptor alpha nuclear translocation and hepatic lipogenesis through an adenosine monophosphateâ€“activated protein kinase alphaâ€“dependent pathway. Hepatology, 2016, 64, 1559-1576.	3.6	26
51	CREBH Couples Circadian Clock With Hepatic Lipid Metabolism. Diabetes, 2016, 65, 3369-3383.	0.3	59
52	Endoplasmic reticulum-resident E3 ubiquitin ligase Hrd1 controls B-cell immunity through degradation of the death receptor CD95/Fas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10394-10399.	3.3	38
53	Glucagon regulates hepatic lipid metabolism via cAMP and Insig-2 signaling: implication for the pathogenesis of hypertriglyceridemia and hepatic steatosis. Scientific Reports, 2016, 6, 32246.	1.6	30
54	COX7AR is a Stress-inducible Mitochondrial COX Subunit that Promotes Breast Cancer Malignancy. Scientific Reports, 2016, 6, 31742.	1.6	29

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55	Isolation and Primary Culture of Mouse Aortic Endothelial Cells. Journal of Visualized Experiments, 2016, , .	0.2	45
56	Transcriptional signatures of unfolded protein response implicate the limitation of animal models in pathophysiological studies. Environmental Disease, 2016, 1, 24.	0.1	3
57	A novel ERâ€“microtubule-binding protein, ERLIN2, stabilizes Cyclin B1 and regulates cell cycle progression. Cell Discovery, 2015, 1, 15024.	3.1	25
58	Petroleum Coke in the Urban Environment: A Review of Potential Health Effects. International Journal of Environmental Research and Public Health, 2015, 12, 6218-6231.	1.2	48
59	COPII-Dependent ER Export: A Critical Component of Insulin Biogenesis and Î²-Cell ER Homeostasis. Molecular Endocrinology, 2015, 29, 1156-1169.	3.7	30
60	Endoplasmic reticulum stress response and transcriptional reprogramming. Frontiers in Genetics, 2015, 5, 460.	1.1	13
61	Exposure to fine airborne particulate matters induces hepatic fibrosis in murine models. Journal of Hepatology, 2015, 63, 1397-1404.	1.8	141
62	Lysine Acetylation of CREBH Regulates Fasting-Induced Hepatic Lipid Metabolism. Molecular and Cellular Biology, 2015, 35, 4121-4134.	1.1	41
63	Liver-Enriched Transcription Factor CREBH Interacts With Peroxisome Proliferator-Activated Receptor Î± to Regulate Metabolic Hormone FGF21. Endocrinology, 2014, 155, 769-782.	1.4	105
64	Elevated systemic expression of ER stress related genes is associated with stress-related mental disorders in the Detroit Neighborhood Health Study. Psychoneuroendocrinology, 2014, 43, 62-70.	1.3	65
65	Toll-like receptor-mediated IRE1Î± activation as a therapeutic target for inflammatory arthritis. EMBO Journal, 2013, 32, 2477-2490.	3.5	175
66	Exposure to ambient particulate matter induces a NASH-like phenotype and impairs hepatic glucose metabolism in an animal model. Journal of Hepatology, 2013, 58, 148-154.	1.8	241
67	The Serine-threonine Kinase Inositol-requiring Enzyme 1Î± (IRE1Î±) Promotes IL-4 Production in T Helper Cells. Journal of Biological Chemistry, 2013, 288, 33272-33282.	1.6	48
68	Diabetes Mellitus Is Associated with Hepatocellular Carcinoma: A Retrospective Case-Control Study in Hepatitis Endemic Area. PLoS ONE, 2013, 8, e84776.	1.1	25
69	Exposure to fine airborne particulate matter induces macrophage infiltration, unfolded protein response, and lipid deposition in white adipose tissue. American Journal of Translational Research (discontinued), 2013, 5, 224-34.	0.0	50
70	Endoplasmic reticulum factor ERLIN2 regulates cytosolic lipid content in cancer cells. Biochemical Journal, 2012, 446, 415-425.	1.7	31
71	Endoplasmic Reticulum Stress-Associated Lipid Droplet Formation and Type II Diabetes. Biochemistry Research International, 2012, 2012, 1-5.	1.5	31
72	Pharmacologic ER stress induces non-alcoholic steatohepatitis in an animal model. Toxicology Letters, 2012, 211, 29-38.	0.4	125

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73	ERLIN2 promotes breast cancer cell survival by modulating endoplasmic reticulum stress pathways. BMC Cancer, 2012, 12, 225.	1.1	55
74	Endoplasmic reticulum-tethered transcription factor cAMP responsive element-binding protein, hepatocyte specific, regulates hepatic lipogenesis, fatty acid oxidation, and lipolysis upon metabolic stress in mice. Hepatology, 2012, 55, 1070-1082.	3.6	163
75	Pharmacological ER stress promotes hepatic lipogenesis and lipid droplet formation. American Journal of Translational Research (discontinued), 2012, 4, 102-13.	0.0	102
76	The unfolded protein response transducer IRE1Î± prevents ER stress-induced hepatic steatosis. EMBO Journal, 2011, 30, 1357-1375.	3.5	302
77	Measurement of ER Stress Response and Inflammation in the Mouse Model of Nonalcoholic Fatty Liver Disease. Methods in Enzymology, 2011, 489, 329-348.	0.4	25
78	Airborne particulate matter selectively activates endoplasmic reticulum stress response in the lung and liver tissues. American Journal of Physiology - Cell Physiology, 2010, 299, C736-C749.	2.1	183
79	Real-world exposure of airborne particulate matter triggers oxidative stress in an animal model. International Journal of Physiology, Pathophysiology and Pharmacology, 2010, 2, 64-68.	0.8	14
80	ER Stress Controls Iron Metabolism Through Induction of Hepcidin. Science, 2009, 325, 877-880.	6.0	278
81	Hepatocyte nuclear factor 4Î± is implicated in endoplasmic reticulum stress-induced acute phase response by regulating expression of cyclic adenosine monophosphate responsive element binding protein H. Hepatology, 2008, 48, 1242-1250.	3.6	88
82	From endoplasmic-reticulum stress to the inflammatory response. Nature, 2008, 454, 455-462.	13.7	1,693
83	Chapter Twenty Identification and Characterization of Endoplasmic Reticulum Stressâ€Induced Apoptosis In Vivo. Methods in Enzymology, 2008, 442, 395-419.	0.4	78
84	Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18525-18530.	3.3	593
85	Endoplasmic Reticulum Stress Activates Cleavage of CREBH to Induce a Systemic Inflammatory Response. Cell, 2006, 124, 587-599.	13.5	720
86	The unfolded protein response: A stress signaling pathway critical for health and disease. Neurology, 2006, 66, S102-S109.	1.5	519
87	Antioxidants Improve Factor VIII Secretion in the Liver by Preventing Oxidative Stress, Activation of the Unfolded Protein Response, and Apoptosis.. Blood, 2006, 108, 197-197.	0.6	0
88	The unfolded protein response sensor IRE1Î± is required at 2 distinct steps in B cell lymphopoiesis. Journal of Clinical Investigation, 2005, 115, 268-281.	3.9	270
89	The unfolded protein response sensor IRE1Î± is required at 2 distinct steps in B cell lymphopoiesis. Journal of Clinical Investigation, 2005, 115, 268-281.	3.9	193
90	Signaling the Unfolded Protein Response from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2004, 279, 25935-25938.	1.6	508