

# Mengwei Zang

## List of Publications by Year in descending order

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37  
papers

6,032  
citations

172457

29  
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361022

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37  
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docs citations

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times ranked

9546  
citing authors

#	ARTICLE	IF	CITATIONS
1	AMPK Phosphorylates and Inhibits SREBP Activity to Attenuate Hepatic Steatosis and Atherosclerosis in Diet-Induced Insulin-Resistant Mice. <i>Cell Metabolism</i> , 2011, 13, 376-388.	16.2	1,356
2	SIRT1 Regulates Hepatocyte Lipid Metabolism through Activating AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2008, 283, 20015-20026.	3.4	699
3	Polyphenols Stimulate AMP-Activated Protein Kinase, Lower Lipids, and Inhibit Accelerated Atherosclerosis in Diabetic LDL Receptor-Deficient Mice. <i>Diabetes</i> , 2006, 55, 2180-2191.	0.6	605
4	SIRT1 Deacetylates and Inhibits SREBP-1C Activity in Regulation of Hepatic Lipid Metabolism*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33959-33970.	3.4	442
5	AMP-activated Protein Kinase Is Required for the Lipid-lowering Effect of Metformin in Insulin-resistant Human HepG2 Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 47898-47905.	3.4	401
6	AMPK as a metabolic tumor suppressor: control of metabolism and cell growth. <i>Future Oncology</i> , 2010, 6, 457-470.	2.4	338
7	Hepatic overexpression of SIRT1 in mice attenuates endoplasmic reticulum stress and insulin resistance in the liver. <i>FASEB Journal</i> , 2011, 25, 1664-1679.	0.5	261
8	Hepatic SIRT1 Attenuates Hepatic Steatosis and Controls Energy Balance in Mice by Inducing Fibroblast Growth Factor 21. <i>Gastroenterology</i> , 2014, 146, 539-549.e7.	1.3	240
9	Fibroblast growth factor 21 improves hepatic insulin sensitivity by inhibiting mammalian target of rapamycin complex 1 in mice. <i>Hepatology</i> , 2016, 64, 425-438.	7.3	134
10	AMPK Activation by Metformin Suppresses Abnormal Extracellular Matrix Remodeling in Adipose Tissue and Ameliorates Insulin Resistance in Obesity. <i>Diabetes</i> , 2016, 65, 2295-2310.	0.6	132
11	Ageing aggravates alcoholic liver injury and fibrosis in mice by downregulating sirtuin 1 expression. <i>Journal of Hepatology</i> , 2017, 66, 601-609.	3.7	123
12	AMPK exerts dual regulatory effects on the PI3K pathway. <i>Journal of Molecular Signaling</i> , 2010, 5, 1.	0.5	114
13	Interaction between Active Pak1 and Raf-1 Is Necessary for Phosphorylation and Activation of Raf-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 4395-4405.	3.4	105
14	Erbin Suppresses the MAP Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 1108-1114.	3.4	102
15	Overnutrition and maternal obesity in sheep pregnancy alter the JNK/SREBP1 signaling cascades and cardiac function in the fetal heart. <i>FASEB Journal</i> , 2010, 24, 2066-2076.	0.5	92
16	The Thromboxane A2 Receptor Antagonist S18886 Prevents Enhanced Atherogenesis Caused by Diabetes Mellitus. <i>Circulation</i> , 2005, 112, 3001-3008.	1.6	87
17	DEP domain-containing mTOR-interacting protein suppresses lipogenesis and ameliorates hepatic steatosis and acute-to-chronic liver injury in alcoholic liver disease. <i>Hepatology</i> , 2018, 68, 496-514.	7.3	85
18	Retinoic Acid Receptor $\beta$ Stimulates Hepatic Induction of Fibroblast Growth Factor 21 to Promote Fatty Acid Oxidation and Control Whole-body Energy Homeostasis in Mice. <i>Journal of Biological Chemistry</i> , 2013, 288, 10490-10504.	3.4	84

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19	Adipose group 1 innate lymphoid cells promote adipose tissue fibrosis and diabetes in obesity. <i>Nature Communications</i> , 2019, 10, 3254.	12.8	63
20	Activation of Sterol Regulatory Element Binding Protein and NLRP3 Inflammasome in Atherosclerotic Lesion Development in Diabetic Pigs. <i>PLoS ONE</i> , 2013, 8, e67532.	2.5	59
21	Characterization of Ser338 Phosphorylation for Raf-1 Activation. <i>Journal of Biological Chemistry</i> , 2008, 283, 31429-31437.	3.4	58
22	The redox mechanism for vascular barrier dysfunction associated with metabolic disorders: Glutathionylation of Rac1 in endothelial cells. <i>Redox Biology</i> , 2016, 9, 306-319.	9.0	51
23	Identification of Two Pairs of Spatially Approximated Residues within the Carboxyl Terminus of Secretin and Its Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 26032-26039.	3.4	46
24	Microtubule Integrity Regulates Pak Leading to Ras-independent Activation of Raf-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 25157-25165.	3.4	41
25	Spatial Approximation between Two Residues in the Mid-region of Secretin and the Amino Terminus of Its Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 48300-48312.	3.4	38
26	Spatial Approximation between a Photolabile Residue in Position 13 of Secretin and the Amino Terminus of the Secretin Receptor. <i>Molecular Pharmacology</i> , 2003, 63, 993-1001.	2.3	37
27	New Insight Into Metformin Action: Regulation of ChREBP and FOXO1 Activities in Endothelial Cells. <i>Molecular Endocrinology</i> , 2015, 29, 1184-1194.	3.7	37
28	Interaction among Four Residues Distributed through the Secretin Pharmacophore and a Focused Region of the Secretin Receptor Amino Terminus. <i>Molecular Endocrinology</i> , 2002, 16, 2490-2501.	3.7	36
29	Phosphorylation of 338SSYY341 Regulates Specific Interaction between Raf-1 and MEK1. <i>Journal of Biological Chemistry</i> , 2002, 277, 44996-45003.	3.4	33
30	LRG1 is an adipokine that mediates obesity-induced hepatosteatosis and insulin resistance. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	30
31	Thioredoxin-interacting protein promotes high-glucose-induced macrovascular endothelial dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 291-297.	2.1	28
32	High-fat Diet Increases and the Polyphenol, S17834, Decreases Acetylation of the Sirtuin-1-dependent Lysine-382 on p53 and Apoptotic Signaling in Atherosclerotic Lesion-prone Aortic Endothelium of Normal Mice. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 263-271.	1.9	26
33	Distinct histopathological phenotypes of severe alcoholic hepatitis suggest different mechanisms driving liver injury and failure. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	23
34	Hepatic posttranscriptional network comprised of CCR4-NOT deadenylase and FGF21 maintains systemic metabolic homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7973-7981.	7.1	21
35	Organ-specific alterations in circadian genes by vertical sleeve gastrectomy in an obese diabetic mouse model. <i>Science Bulletin</i> , 2017, 62, 467-469.	9.0	5
36	The Dysregulation of AMPK Suppresses Phosphorylation of Sterol Regulatory Element Binding Protein and Increases Its Activity in the Development of Atherosclerosis in Pig and Human Diabetes.. <i>FASEB Journal</i> , 2013, 27, 1010.5.	0.5	0

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37	The Molecular Basis of Hepatic De Novo Lipogenesis in Insulin Resistance. , 2016, , 33-58.		0