

# Shi-Min Zhao

## List of Publications by Year in descending order

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55  
papers

7,651  
citations

186265

28  
h-index

175258

52  
g-index

58  
all docs

58  
docs citations

58  
times ranked

13761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer metabolism and tumor microenvironment: fostering each other?. Science China Life Sciences, 2022, 65, 236-279.	4.9	68
2	LDLR dysfunction induces LDL accumulation and promotes pulmonary fibrosis. Clinical and Translational Medicine, 2022, 12, e711.	4.0	14
3	SPOP mutations promote p62/SQSTM1-dependent autophagy and Nrf2 activation in prostate cancer. Cell Death and Differentiation, 2022, 29, 1228-1239.	11.2	25
4	Targeting mTORC2/HDAC3 Inhibits Stemness of Liver Cancer Cells Against Glutamine Starvation. Advanced Science, 2022, 9, e2103887.	11.2	9
5	Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake. Cell Reports, 2022, 38, 110509.	6.4	5
6	A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration. Cell Stem Cell, 2022, 29, 545-558.e13.	11.1	32
7	IL-27 promotes decidualization via the STAT3-ESR/PGR regulatory axis. Journal of Reproductive Immunology, 2022, 151, 103623.	1.9	7
8	Nicotinamide Mononucleotide Alleviates Cardiomyopathy Phenotypes Caused by Short-Chain Enoyl-Coa Hydratase 1 Deficiency. JACC Basic To Translational Science, 2022, 7, 348-362.	4.1	32
9	Ketogenic diets inhibit mitochondrial biogenesis and induce cardiac fibrosis. Signal Transduction and Targeted Therapy, 2021, 6, 54.	17.1	91
10	SINO Syndrome Causative KIDINS220/ARMS Gene Regulates Adipocyte Differentiation. Frontiers in Cell and Developmental Biology, 2021, 9, 619475.	3.7	5
11	Low chorionic villous succinate accumulation associates with recurrent spontaneous abortion risk. Nature Communications, 2021, 12, 3428.	12.8	76
12	Nuclear dihydroxyacetone phosphate signals nutrient sufficiency and cell cycle phase to global histone acetylation. Nature Metabolism, 2021, 3, 859-875.	11.9	23
13	Mitochondrial STAT5A promotes metabolic remodeling and the Warburg effect by inactivating the pyruvate dehydrogenase complex. Cell Death and Disease, 2021, 12, 634.	6.3	13
14	Tryptophan potentiates CD8 <sup>+</sup> T cells against cancer cells by TRIP12 tryptophanylation and surface PD-1 downregulation. , 2021, 9, e002840.		24
15	Transmission of a Novel Imprinting Center Deletion Associated With Prader-Willi Syndrome Through Three Generations of a Chinese Family: Case Presentation, Differential Diagnosis, and a Lesson Worth Thinking About. Frontiers in Genetics, 2021, 12, 630650.	2.3	1
16	SPOP mutation induces DNA methylation via stabilizing GLP/G9a. Nature Communications, 2021, 12, 5716.	12.8	19
17	Calcineurin inactivation inhibits pyruvate dehydrogenase complex activity and induces the Warburg effect. Oncogene, 2021, 40, 6692-6702.	5.9	3
18	Inactivation of the AMPK-GATA3-ECHS1 Pathway Induces Fatty Acid Synthesis That Promotes Clear Cell Renal Cell Carcinoma Growth. Cancer Research, 2020, 80, 319-333.	0.9	90

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19	CRL3 SPOP ubiquitin ligase complex suppresses the growth of diffuse large B-cell lymphoma by negatively regulating the MyD88/NF- $\kappa$ B signaling. <i>Leukemia</i> , 2020, 34, 1305-1314.	7.2	38
20	An Acetylation Switch of the NLRP3 Inflammasome Regulates Aging-Associated Chronic Inflammation and Insulin Resistance. <i>Cell Metabolism</i> , 2020, 31, 580-591.e5.	16.2	213
21	APC/CCDH1 synchronizes ribose-5-phosphate levels and DNA synthesis to cell cycle progression. <i>Nature Communications</i> , 2019, 10, 2502.	12.8	44
22	<i>Faecalibacterium prausnitzii</i> produces butyrate to decrease c-Myc-related metabolism and Th17 differentiation by inhibiting histone deacetylase 3. <i>International Immunology</i> , 2019, 31, 499-514.	4.0	51
23	Bi-allelic Mutations in TTC21A Induce Asthenoteratospermia in Humans and Mice. <i>American Journal of Human Genetics</i> , 2019, 104, 738-748.	6.2	103
24	Prostate Cancer-associated SPOP mutations enhance cancer cell survival and docetaxel resistance by upregulating Caprin1-dependent stress granule assembly. <i>Molecular Cancer</i> , 2019, 18, 170.	19.2	79
25	Molecular characterization of Babesia microti seroreactive antigen 5-1-1 and development of rapid detection methods for anti-B. microti antibodies in serum. <i>Acta Tropica</i> , 2018, 185, 371-379.	2.0	5
26	Sensing and Transmitting Intracellular Amino Acid Signals through Reversible Lysine Aminoacylations. <i>Cell Metabolism</i> , 2018, 27, 151-166.e6.	16.2	97
27	Colonic Lysine Homocysteinylation Induced by High-Fat Diet Suppresses DNA Damage Repair. <i>Cell Reports</i> , 2018, 25, 398-412.e6.	6.4	70
28	iASPP PP1 complex is required for cytokinetic abscission by controlling CEP55 dephosphorylation. <i>Cell Death and Disease</i> , 2018, 9, 528.	6.3	17
29	Berberine promotes glucose uptake and inhibits gluconeogenesis by inhibiting deacetylase SIRT3. <i>Endocrine</i> , 2018, 62, 576-587.	2.3	35
30	SIRT2 Promotes the Migration and Invasion of Gastric Cancer through RAS/ERK/JNK/MMP-9 Pathway by Increasing PEPCK1-Related Metabolism. <i>Neoplasia</i> , 2018, 20, 745-756.	5.3	77
31	Lysine acetylation regulates the function of the global anaerobic transcription factor FnrL in <i>hodobacter sphaeroides</i> . <i>Molecular Microbiology</i> , 2017, 104, 278-293.	2.5	10
32	Histone deacetylase 3 overexpression in human cholangiocarcinoma and promotion of cell growth via apoptosis inhibition. <i>Cell Death and Disease</i> , 2017, 8, e2856-e2856.	6.3	32
33	Sirtinol promotes PEPCK1 degradation and inhibits gluconeogenesis by inhibiting deacetylase SIRT2. <i>Scientific Reports</i> , 2017, 7, 7.	3.3	242
34	The Histone Methyltransferase Ash1l is Required for Epidermal Homeostasis in Mice. <i>Scientific Reports</i> , 2017, 7, 45401.	3.3	22
35	Lower Circulating Folate Induced by a Fidgetin Intronic Variant Is Associated With Reduced Congenital Heart Disease Susceptibility. <i>Circulation</i> , 2017, 135, 1733-1748.	1.6	50
36	Intrinsic BET inhibitor resistance in SPOP-mutated prostate cancer is mediated by BET protein stabilization and AKT mTORC1 activation. <i>Nature Medicine</i> , 2017, 23, 1055-1062.	30.7	225

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37	DNA-Dependent Kinase Facilitates PiggyBac Transposition by Promoting Paired-End Complex Formation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7408-7413.	7.1	16
38	Dysregulation of INF2-mediated mitochondrial fission in SPOP-mutated prostate cancer. PLoS Genetics, 2017, 13, e1006748.	3.5	54
39	Mutation-profile-based methods for understanding selection forces in cancer somatic mutations: a comparative analysis. Oncotarget, 2017, 8, 58835-58846.	1.8	11
40	Reversible lysine acetylation is involved in DNA replication initiation by regulating activities of initiator DnaA in Escherichia coli. Scientific Reports, 2016, 6, 30837.	3.3	55
41	ULK1/2 Constitute a Bifurcate Node Controlling Glucose Metabolic Fluxes in Addition to Autophagy. Molecular Cell, 2016, 62, 359-370.	9.7	97
42	Dehomocysteinylation is catalysed by the sirtuin-like bacterial lysine deacetylase CobB. FEBS Journal, 2016, 283, 4149-4162.	4.7	6
43	The emergence of intracellular metabolite signaling networks. IUBMB Life, 2016, 68, 871-872.	3.4	0
44	Metabolic reprogramming of the tumour microenvironment. FEBS Journal, 2015, 282, 3892-3898.	4.7	81
45	Metabolic Reprogramming of Cancer-Associated Fibroblasts by IDH3 $\alpha$ Downregulation. Cell Reports, 2015, 10, 1335-1348.	6.4	258
46	Acetylproteomic Analysis Reveals Functional Implications of Lysine Acetylation in Human Spermatozoa (sperm). Molecular and Cellular Proteomics, 2015, 14, 1009-1023.	3.8	70
47	NADP <sup>+</sup> -IDH Mutations Promote Hypersuccinylation that Impairs Mitochondria Respiration and Induces Apoptosis Resistance. Molecular Cell, 2015, 60, 661-675.	9.7	175
48	A piggyBac insertion disrupts Foxl2 expression that mimics BPES syndrome in mice. Human Molecular Genetics, 2014, 23, 3792-3800.	2.9	10
49	Inhibition of $\alpha$ -KG-dependent histone and DNA demethylases by fumarate and succinate that are accumulated in mutations of FH and SDH tumor suppressors. Genes and Development, 2012, 26, 1326-1338.	5.9	855
50	Oncometabolite 2-Hydroxyglutarate Is a Competitive Inhibitor of $\alpha$ -Ketoglutarate-Dependent Dioxygenases. Cancer Cell, 2011, 19, 17-30.	16.8	2,340
51	Metabolism is regulated by protein acetylation. Frontiers in Biology, 2011, 6, 213-218.	0.7	3
52	Novel findings in intermediary metabolism regulation. Science Bulletin, 2010, 55, 3231-3234.	1.7	0
53	IDH1 mutant structures reveal a mechanism of dominant inhibition. Cell Research, 2010, 20, 1279-1281.	12.0	24
54	Regulation of Cellular Metabolism by Protein Lysine Acetylation. Science, 2010, 327, 1000-1004.	12.6	1,642

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55	Substrate Selectivity APPLies to Akt. Cell, 2008, 133, 399-400.	28.9	6