

# Shi-Min Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Oncometabolite 2-Hydroxyglutarate Is a Competitive Inhibitor of $\alpha$ -Ketoglutarate-Dependent Dioxygenases. <i>Cancer Cell</i> , 2011, 19, 17-30.	16.8	2,340
2	Regulation of Cellular Metabolism by Protein Lysine Acetylation. <i>Science</i> , 2010, 327, 1000-1004.	12.6	1,642
3	Inhibition of $\alpha$ -KG-dependent histone and DNA demethylases by fumarate and succinate that are accumulated in mutations of FH and SDH tumor suppressors. <i>Genes and Development</i> , 2012, 26, 1326-1338.	5.9	855
4	Metabolic Reprogramming of Cancer-Associated Fibroblasts by IDH3 $\alpha$ Downregulation. <i>Cell Reports</i> , 2015, 10, 1335-1348.	6.4	258
5	Sirtinol promotes PEPCK1 degradation and inhibits gluconeogenesis by inhibiting deacetylase SIRT2. <i>Scientific Reports</i> , 2017, 7, 7.	3.3	242
6	Intrinsic BET inhibitor resistance in SPOP-mutated prostate cancer is mediated by BET protein stabilization and AKT $\alpha$ mTORC1 activation. <i>Nature Medicine</i> , 2017, 23, 1055-1062.	30.7	225
7	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
8	NADP $^{+}$ -IDH Mutations Promote Hypersuccinylation that Impairs Mitochondria Respiration and Induces Apoptosis Resistance. <i>Molecular Cell</i> , 2015, 60, 661-675.	9.7	175
9	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
10	ULK1/2 Constitute a Bifurcate Node Controlling Glucose Metabolic Fluxes in Addition to Autophagy. <i>Molecular Cell</i> , 2016, 62, 359-370.	9.7	97
11	Sensing and Transmitting Intracellular Amino Acid Signals through Reversible Lysine Aminoacylations. <i>Cell Metabolism</i> , 2018, 27, 151-166.e6.	16.2	97
12	Ketogenic diets inhibit mitochondrial biogenesis and induce cardiac fibrosis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 54.	17.1	91
13	Inactivation of the AMPK $\alpha$ GATA3 $\alpha$ ECHS1 Pathway Induces Fatty Acid Synthesis That Promotes Clear Cell Renal Cell Carcinoma Growth. <i>Cancer Research</i> , 2020, 80, 319-333.	0.9	90
14	Metabolic reprogramming of the tumour microenvironment. <i>FEBS Journal</i> , 2015, 282, 3892-3898.	4.7	81
15	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
16	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
17	Low chorionic villous succinate accumulation associates with recurrent spontaneous abortion risk. <i>Nature Communications</i> , 2021, 12, 3428.	12.8	76
18	Acetylproteomic Analysis Reveals Functional Implications of Lysine Acetylation in Human Spermatozoa (sperm). <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1009-1023.	3.8	70

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19	Colonic Lysine Homocysteinylation Induced by High-Fat Diet Suppresses DNA Damage Repair. <i>Cell Reports</i> , 2018, 25, 398-412.e6.	6.4	70
20	Cancer metabolism and tumor microenvironment: fostering each other?. <i>Science China Life Sciences</i> , 2022, 65, 236-279.	4.9	68
21	Reversible lysine acetylation is involved in DNA replication initiation by regulating activities of initiator DnaA in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2016, 6, 30837.	3.3	55
22	Dysregulation of INF2-mediated mitochondrial fission in SPOP-mutated prostate cancer. <i>PLoS Genetics</i> , 2017, 13, e1006748.	3.5	54
23	<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
24	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
25	APC/CCDH1 synchronizes ribose-5-phosphate levels and DNA synthesis to cell cycle progression. <i>Nature Communications</i> , 2019, 10, 2502.	12.8	44
26	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
27	Berberine promotes glucose uptake and inhibits gluconeogenesis by inhibiting deacetylase SIRT3. <i>Endocrine</i> , 2018, 62, 576-587.	2.3	35
28	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
29	A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration. <i>Cell Stem Cell</i> , 2022, 29, 545-558.e13.	11.1	32
30	Nicotinamide Mononucleotide Alleviates Cardiomyopathy Phenotypes Caused by Short-Chain Enoyl-Coa Hydratase 1 Deficiency. <i>JACC Basic To Translational Science</i> , 2022, 7, 348-362.	4.1	32
31	SPOP mutations promote p62/SQSTM1-dependent autophagy and Nrf2 activation in prostate cancer. <i>Cell Death and Differentiation</i> , 2022, 29, 1228-1239.	11.2	25
32	IDH1 mutant structures reveal a mechanism of dominant inhibition. <i>Cell Research</i> , 2010, 20, 1279-1281.	12.0	24
33	Tryptophan potentiates CD8 <sup>+</sup> T cells against cancer cells by TRIP12 tryptophanylation and surface PD-1 downregulation. , 2021, 9, e002840.		24
34	Nuclear dihydroxyacetone phosphate signals nutrient sufficiency and cell cycle phase to global histone acetylation. <i>Nature Metabolism</i> , 2021, 3, 859-875.	11.9	23
35	The Histone Methyltransferase Ash1l is Required for Epidermal Homeostasis in Mice. <i>Scientific Reports</i> , 2017, 7, 45401.	3.3	22
36	SPOP mutation induces DNA methylation via stabilizing GLP/G9a. <i>Nature Communications</i> , 2021, 12, 5716.	12.8	19

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37	iASPPâ€‘PP1 complex is required for cytokinetic abscission by controlling CEP55 dephosphorylation. <i>Cell Death and Disease</i> , 2018, 9, 528.	6.3	17
38	DNAâ€‘PK facilitates <i>piggyBac</i> transposition by promoting paired-end complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7408-7413.	7.1	16
39	LDLR dysfunction induces LDL accumulation and promotes pulmonary fibrosis. <i>Clinical and Translational Medicine</i> , 2022, 12, e711.	4.0	14
40	Mitochondrial STAT5A promotes metabolic remodeling and the Warburg effect by inactivating the pyruvate dehydrogenase complex. <i>Cell Death and Disease</i> , 2021, 12, 634.	6.3	13
41	Mutation-profile-based methods for understanding selection forces in cancer somatic mutations: a comparative analysis. <i>Oncotarget</i> , 2017, 8, 58835-58846.	1.8	11
42	A <i>piggyBac</i> insertion disrupts <i>Foxl2</i> expression that mimics BPES syndrome in mice. <i>Human Molecular Genetics</i> , 2014, 23, 3792-3800.	2.9	10
43	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
44	Targeting mTORC2/HDAC3 Inhibits Stemness of Liver Cancer Cells Against Glutamine Starvation. <i>Advanced Science</i> , 2022, 9, e2103887.	11.2	9
45	IL-27 promotes decidualization via the STAT3-ESR/PGR regulatory axis. <i>Journal of Reproductive Immunology</i> , 2022, 151, 103623.	1.9	7
46	Substrate Selectivity APPLies to Akt. <i>Cell</i> , 2008, 133, 399-400.	28.9	6
47	Dehomocysteinylation is catalysed by the sirtuinâ€‘like bacterial lysine deacetylase CobB. <i>FEBS Journal</i> , 2016, 283, 4149-4162.	4.7	6
48	Molecular characterization of <i>Babesia microti</i> seroreactive antigen 5-1-1 and development of rapid detection methods for anti-B. <i>microti</i> antibodies in serum. <i>Acta Tropica</i> , 2018, 185, 371-379.	2.0	5
49	SINO Syndrome Causative KIDINS220/ARMS Gene Regulates Adipocyte Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619475.	3.7	5
50	Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake. <i>Cell Reports</i> , 2022, 38, 110509.	6.4	5
51	Metabolism is regulated by protein acetylation. <i>Frontiers in Biology</i> , 2011, 6, 213-218.	0.7	3
52	Calcineurin inactivation inhibits pyruvate dehydrogenase complex activity and induces the Warburg effect. <i>Oncogene</i> , 2021, 40, 6692-6702.	5.9	3
53	Transmission of a Novel Imprinting Center Deletion Associated With Praderâ€‘Willi Syndrome Through Three Generations of a Chinese Family: Case Presentation, Differential Diagnosis, and a Lesson Worth Thinking About. <i>Frontiers in Genetics</i> , 2021, 12, 630650.	2.3	1
54	Novel findings in intermediary metabolism regulation. <i>Science Bulletin</i> , 2010, 55, 3231-3234.	1.7	0

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55	The emergence of intracellular metabolite signaling networks. IUBMB Life, 2016, 68, 871-872.	3.4	0