

Jian-Yuan Zhao

List of Publications by Year in descending order

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papers

1,544
citations

361296

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1736
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#	ARTICLE	IF	CITATIONS
1	NADP+IDH Mutations Promote Hypersuccinylation that Impairs Mitochondria Respiration and Induces Apoptosis Resistance. <i>Molecular Cell</i> , 2015, 60, 661-675.	4.5	175
2	Homocysteine inhibits pro-insulin receptor cleavage and causes insulin resistance via protein cysteine-homocysteinylation. <i>Cell Reports</i> , 2021, 37, 109821.	2.9	104
3	Bi-allelic Mutations in TTC21A Induce Asthenoteratospermia in Humans and Mice. <i>American Journal of Human Genetics</i> , 2019, 104, 738-748.	2.6	103
4	Sensing and Transmitting Intracellular Amino Acid Signals through Reversible Lysine Aminoacylations. <i>Cell Metabolism</i> , 2018, 27, 151-166.e6.	7.2	97
5	Ketogenic diets inhibit mitochondrial biogenesis and induce cardiac fibrosis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 54.	7.1	91
6	Inactivation of the AMPK-GATA3-ECHS1 Pathway Induces Fatty Acid Synthesis That Promotes Clear Cell Renal Cell Carcinoma Growth. <i>Cancer Research</i> , 2020, 80, 319-333.	0.4	90
7	Low chorionic villous succinate accumulation associates with recurrent spontaneous abortion risk. <i>Nature Communications</i> , 2021, 12, 3428.	5.8	76
8	Colonic Lysine Homocysteinylation Induced by High-Fat Diet Suppresses DNA Damage Repair. <i>Cell Reports</i> , 2018, 25, 398-412.e6.	2.9	70
9	Rapamycin prevents spontaneous abortion by triggering decidual stromal cell autophagy-mediated NK cell residence. <i>Autophagy</i> , 2021, 17, 2511-2527.	4.3	65
10	Functional Variant in Methionine Synthase Reductase Intron-1 Significantly Increases the Risk of Congenital Heart Disease in the Han Chinese Population. <i>Circulation</i> , 2012, 125, 482-490.	1.6	57
11	Elevated H3K79 homocysteinylation causes abnormal gene expression during neural development and subsequent neural tube defects. <i>Nature Communications</i> , 2018, 9, 3436.	5.8	56
12	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
13	A proteogenomic analysis of clear cell renal cell carcinoma in a Chinese population. <i>Nature Communications</i> , 2022, 13, 2052.	5.8	48
14	APC/CCDH1 synchronizes ribose-5-phosphate levels and DNA synthesis to cell cycle progression. <i>Nature Communications</i> , 2019, 10, 2502.	5.8	44
15	Gestational Leucylation Suppresses Embryonic T-Box Transcription Factor 5 Signal and Causes Congenital Heart Disease. <i>Advanced Science</i> , 2022, 9, e2201034.	5.6	38
16	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.	1.9	32
17	Genetic variants reducing MTR gene expression increase the risk of congenital heart disease in Han Chinese populations. <i>European Heart Journal</i> , 2014, 35, 733-742.	1.0	31
18	Elevated CD36 expression correlates with increased visceral adipose tissue and predicts poor prognosis in ccRCC patients. <i>Journal of Cancer</i> , 2019, 10, 4522-4531.	1.2	29

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19	A functional variant in the cystathionine β -synthase gene promoter significantly reduces congenital heart disease susceptibility in a Han Chinese population. <i>Cell Research</i> , 2013, 23, 242-253.	5.7	27
20	A defective lysophosphatidic acid-autophagy axis increases miscarriage risk by restricting decidual macrophage residence. <i>Autophagy</i> , 2022, 18, 2459-2480.	4.3	26
21	A TBX5 3'UTR variant increases the risk of congenital heart disease in the Han Chinese population. <i>Cell Discovery</i> , 2017, 3, 17026.	3.1	23
22	Nuclear dihydroxyacetone phosphate signals nutrient sufficiency and cell cycle phase to global histone acetylation. <i>Nature Metabolism</i> , 2021, 3, 859-875.	5.1	23
23	Fructose-1,6-bisphosphate prevents pregnancy loss by inducing decidual COX-2 ⁺ macrophage differentiation. <i>Science Advances</i> , 2022, 8, eabj2488.	4.7	22
24	PD-L1 expression in Xp11.2 translocation renal cell carcinoma: Indicator of tumor aggressiveness. <i>Scientific Reports</i> , 2017, 7, 2074.	1.6	21
25	Inhibiting MARSs reduces hyperhomocysteinemia-associated neural tube and congenital heart defects. <i>EMBO Molecular Medicine</i> , 2020, 12, e9469.	3.3	21
26	Mitochondrial STAT5A promotes metabolic remodeling and the Warburg effect by inactivating the pyruvate dehydrogenase complex. <i>Cell Death and Disease</i> , 2021, 12, 634.	2.7	13
27	Functional variants of the 5-methyltetrahydrofolate-homocysteine methyltransferase gene significantly increase susceptibility to prostate cancer: Results from an ethnic Han Chinese population. <i>Scientific Reports</i> , 2016, 6, 36264.	1.6	12
28	Acox2 is a regulator of lysine crotonylation that mediates hepatic metabolic homeostasis in mice. <i>Cell Death and Disease</i> , 2022, 13, 279.	2.7	12
29	Two sides of NNMT in alcoholic and non-alcoholic fatty liver development. <i>Journal of Hepatology</i> , 2021, 74, 1250-1253.	1.8	11
30	A Genetic Variant in Vitamin B12 Metabolic Genes That Reduces the Risk of Congenital Heart Disease in Han Chinese Populations. <i>PLoS ONE</i> , 2014, 9, e88332.	1.1	10
31	High maternal blood lipid levels during early pregnancy are associated with increased risk of congenital heart disease in offspring. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021, 100, 1806-1813.	1.3	9
32	Genetic Polymorphisms of the TYMS Gene Are Not Associated with Congenital Cardiac Septal Defects in a Han Chinese Population. <i>PLoS ONE</i> , 2012, 7, e31644.	1.1	9
33	MTHFR c.677C>T Inhibits Cell Proliferation and Decreases Prostate Cancer Susceptibility in the Han Chinese Population in Shanghai. <i>Scientific Reports</i> , 2016, 6, 36290.	1.6	7
34	Biallelic DNAH9 mutations are identified in Chinese patients with defective left-right patterning and cilia-related complex congenital heart disease. <i>Human Genetics</i> , 2022, 141, 1339-1353.	1.8	7
35	The Prognostic Value of Programmed Death-Ligand 1 in a Chinese Cohort With Clear Cell Renal Cell Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 879.	1.3	6
36	Increased expression of tribbles homolog 3 predicts poor prognosis and correlates with tumor immunity in clear cell renal cell carcinoma: a bioinformatics study. <i>Bioengineered</i> , 2022, 13, 14000-14012.	1.4	6

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37	SINO Syndrome Causative KIDINS220/ARMS Gene Regulates Adipocyte Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619475.	1.8	5
38	Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake. <i>Cell Reports</i> , 2022, 38, 110509.	2.9	5
39	Susceptibility to congenital heart defects associated with a polymorphism in TBX2 3' UTR untranslated region in the Han Chinese population. <i>Pediatric Research</i> , 2019, 85, 378-383.	1.1	4
40	Calcineurin inactivation inhibits pyruvate dehydrogenase complex activity and induces the Warburg effect. <i>Oncogene</i> , 2021, 40, 6692-6702.	2.6	3
41	Master microRNA-222 regulates cardiac microRNA maturation and triggers Tetralogy of Fallot. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	2
42	High expression of F2RL3 correlates with aggressive features and poor survival in clear cell renal cell carcinoma. <i>Journal of Cancer</i> , 2018, 9, 3400-3406.	1.2	1
43	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. <i>Frontiers in Genetics</i> , 2021, 12, 630650.	1.1	1
44	Adenylate cyclase-activating polypeptide 1 gene methylation predicts prognosis and the immune microenvironment of bladder cancer. <i>Clinical and Translational Medicine</i> , 2021, 11, e597.	1.7	1
45	The emergence of intracellular metabolite signaling networks. <i>IUBMB Life</i> , 2016, 68, 871-872.	1.5	0