

# Liang Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,015  
citations

236612

25  
h-index

315357

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamine blockade induces divergent metabolic programs to overcome tumor immune evasion. <i>Science</i> , 2019, 366, 1013-1021.	6.0	643
2	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. <i>Scientific Reports</i> , 2017, 7, 8837.	1.6	407
3	Targeting glutamine metabolism enhances tumor-specific immunity by modulating suppressive myeloid cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 3865-3884.	3.9	230
4	Combination therapy with BPTES nanoparticles and metformin targets the metabolic heterogeneity of pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5328-36.	3.3	180
5	Review: Toxicometabolomics. <i>Journal of Applied Toxicology</i> , 2013, 33, 1365-1383.	1.4	148
6	mTOR Complex 1 Signaling Regulates the Generation and Function of Central and Effector Foxp3+ Regulatory T Cells. <i>Journal of Immunology</i> , 2018, 201, 481-492.	0.4	100
7	An engineered IL-2 partial agonist promotes CD8+ T cell stemness. <i>Nature</i> , 2021, 597, 544-548.	13.7	94
8	Pyriiform Spidroin 1, a Novel Member of the Silk Gene Family That Anchors Dragline Silk Fibers in Attachment Discs of the Black Widow Spider, <i>Latrodectus hesperus</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 29097-29108.	1.6	89
9	Antifungal drug itraconazole targets VDAC1 to modulate the AMPK/mTOR signaling axis in endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7276-85.	3.3	84
10	Pathways of Toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 53-61.	0.9	75
11	Uncovering the Role of N-Acetyl-Aspartyl-Glutamate as a Glutamate Reservoir in Cancer. <i>Cell Reports</i> , 2019, 27, 491-501.e6.	2.9	73
12	C9orf72 regulates energy homeostasis by stabilizing mitochondrial complex I assembly. <i>Cell Metabolism</i> , 2021, 33, 531-546.e9.	7.2	70
13	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , 2016, 6, 28994.	1.6	67
14	The Mammalian Malonyl-CoA Synthetase ACSF3 Is Required for Mitochondrial Protein Malonylation and Metabolic Efficiency. <i>Cell Chemical Biology</i> , 2017, 24, 673-684.e4.	2.5	65
15	Synthetic Spider Silk Fibers Spun from Pyriiform Spidroin 2, A Glue Silk Protein Discovered in Orb-Weaving Spider Attachment Discs. <i>Biomacromolecules</i> , 2010, 11, 3495-3503.	2.6	64
16	Loss of Hepatic Mitochondrial Long-Chain Fatty Acid Oxidation Confers Resistance to Diet-Induced Obesity and Glucose Intolerance. <i>Cell Reports</i> , 2017, 20, 655-667.	2.9	62
17	Combined PDK1 and CHK1 inhibition is required to kill glioblastoma stem-like cells in vitro and in vivo. <i>Cell Death and Disease</i> , 2014, 5, e1223-e1223.	2.7	57
18	The Human Toxome Project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 112-124.	0.9	52

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19	Requirement for the Mitochondrial Pyruvate Carrier in Mammalian Development Revealed by a Hypomorphic Allelic Series. <i>Molecular and Cellular Biology</i> , 2016, 36, 2089-2104.	1.1	47
20	Mapping the Human Toxome by Systems Toxicology. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 24-31.	1.2	41
21	Hotspot SF3B1 mutations induce metabolic reprogramming and vulnerability to serine deprivation. <i>Journal of Clinical Investigation</i> , 2019, 129, 4708-4723.	3.9	41
22	Metabolomics Reveals Metabolic Alterations by Intrauterine Growth Restriction in the Fetal Rabbit Brain. <i>PLoS ONE</i> , 2013, 8, e64545.	1.1	40
23	Organophosphorus flame retardants are developmental neurotoxicants in a rat primary brainsphere in vitro model. <i>Archives of Toxicology</i> , 2021, 95, 207-228.	1.9	35
24	Re-engineered BCG overexpressing cyclic di-AMP augments trained immunity and exhibits improved efficacy against bladder cancer. <i>Nature Communications</i> , 2022, 13, 878.	5.8	33
25	Quality assurance of metabolomics. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 319-326.	0.9	30
26	Stage-specific metabolic features of differentiating neurons: Implications for toxicant sensitivity. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 64-80.	1.3	29
27	mTORC1 Signaling Regulates Proinflammatory Macrophage Function and Metabolism. <i>Journal of Immunology</i> , 2021, 207, 913-922.	0.4	27
28	Dragline Silk: A Fiber Assembled with Low-Molecular-Weight Cysteine-Rich Proteins. <i>Biomacromolecules</i> , 2014, 15, 4073-4081.	2.6	25
29	The Novel Glutamine Antagonist Prodrug JHU395 Has Antitumor Activity in Malignant Peripheral Nerve Sheath Tumor. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 397-408.	1.9	18
30	UHPLC-MS-Based Metabolomics Analysis Reveals the Process of Schistosomiasis in Mice. <i>Frontiers in Microbiology</i> , 2020, 11, 1517.	1.5	15
31	Microdissection of Black Widow Spider Silk-producing Glands. <i>Journal of Visualized Experiments</i> , 2011, . .	0.2	14
32	Metabolomic network analysis of estrogen-stimulated MCF-7 cells: a comparison of overrepresentation analysis, quantitative enrichment analysis and pathway analysis versus metabolite network analysis. <i>Archives of Toxicology</i> , 2017, 91, 217-230.	1.9	13
33	Gas-phase scrambling of disulfide bonds during matrix-assisted laser desorption/ionization mass spectrometry analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1603-1616.	1.2	12
34	Metabonomics and Toxicology. <i>Methods in Molecular Biology</i> , 2015, 1277, 209-231.	0.4	12
35	Joint Bounding of Peaks Across Samples Improves Differential Analysis in Mass Spectrometry-Based Metabolomics. <i>Analytical Chemistry</i> , 2017, 89, 3517-3523.	3.2	7
36	Persistent CAD activity in memory CD8 <sup>+</sup> T cells supports rRNA synthesis and ribosomal biogenesis required at rechallenge. <i>Science Immunology</i> , 2022, 7, .	5.6	7

#	ARTICLE	IF	CITATIONS
37	Identification and synthesis of novel biomaterials based on spider structural silk fibers. Applied Physics A: Materials Science and Processing, 2011, 105, 301-309.	1.1	3
38	Application of "Omic" Technologies to In Vitro Toxicology. Methods in Pharmacology and Toxicology, 2014, , 399-432.	0.1	2