

# Liang Zhang

## List of Publications by Year in descending order

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73  
papers

6,155  
citations

270111

25  
h-index

93651

72  
g-index

82  
all docs

82  
docs citations

82  
times ranked

10921  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput-Methyl-Reading (HTMR) assay: a solution based on nucleotide methyl-binding proteins enables large-scale screening for DNA/RNA methyltransferases and demethylases. <i>Nucleic Acids Research</i> , 2022, 50, e9-e9.	6.5	12
2	CRL2-KLHDC3 E3 ubiquitin ligase complex suppresses ferroptosis through promoting p14ARF degradation. <i>Cell Death and Differentiation</i> , 2022, 29, 758-771.	5.0	18
3	Structural basis for the substrate recognition mechanism of ATP-sulfurylase domain of human PAPS synthase 2. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 1-7.	1.0	6
4	The Oligodendrocyte Transcription Factor 2 OLIG2 regulates transcriptional repression during myelinogenesis in rodents. <i>Nature Communications</i> , 2022, 13, 1423.	5.8	26
5	DCAF12 promotes apoptosis and inhibits NF- $\kappa$ B activation by acting as an endogenous antagonist of IAPs. <i>Oncogene</i> , 2022, 41, 3000-3010.	2.6	3
6	A fungal dioxygenase CcTet serves as a eukaryotic 6mA demethylase on duplex DNA. <i>Nature Chemical Biology</i> , 2022, 18, 733-741.	3.9	13
7	Diabetic Retinopathy May Be a Predictor of Stroke in Patients With Diabetes Mellitus. <i>Journal of the Endocrine Society</i> , 2022, 6, .	0.1	4
8	Nanoparticle formulation of mycophenolate mofetil achieves enhanced efficacy against hepatocellular carcinoma by targeting tumour-associated fibroblast. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3511-3523.	1.6	11
9	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
10	miR-24 controls the regenerative competence of hair follicle progenitors by targeting Plk3. <i>Cell Reports</i> , 2021, 35, 109225.	2.9	7
11	Use of F-18 FDG PET/CT Through Delayed Diuretic Imaging for Preoperative Evaluation of Upper Urinary Tract-Occupying Lesions. <i>Frontiers in Oncology</i> , 2021, 11, 699801.	1.3	1
12	Structural basis for diguanylate cyclase activation by its binding partner in <i>Pseudomonas aeruginosa</i> . <i>ELife</i> , 2021, 10, .	2.8	8
13	Calcineurin inactivation inhibits pyruvate dehydrogenase complex activity and induces the Warburg effect. <i>Oncogene</i> , 2021, 40, 6692-6702.	2.6	3
14	<i>Helicobacter pylori</i> FabX contains a [4Fe-4S] cluster essential for unsaturated fatty acid synthesis. <i>Nature Communications</i> , 2021, 12, 6932.	5.8	6
15	Protein Profiles of Pretransplant Grafts Predict Early Allograft Dysfunction After Liver Transplantation From Donation After Circulatory Death. <i>Transplantation</i> , 2020, 104, 79-89.	0.5	7
16	Target-oriented delivery of self-assembled immunosuppressant cocktails prolongs allogeneic orthotopic liver transplant survival. <i>Journal of Controlled Release</i> , 2020, 328, 237-250.	4.8	29
17	Conventional Two-Stage Hepatectomy or Associating Liver Partitioning and Portal Vein Ligation for Staged Hepatectomy for Colorectal Liver Metastases? A Systematic Review and Meta-Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 1391.	1.3	10
18	CTLA-4 Blockade Suppresses Progression of Residual Tumors and Improves Survival After Insufficient Radiofrequency Ablation in a Subcutaneous Murine Hepatoma Model. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 1353-1361.	0.9	13

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19	DNA methylation of SOCS1/2/3 predicts hepatocellular carcinoma recurrence after liver transplantation. <i>Molecular Biology Reports</i> , 2020, 47, 1773-1782.	1.0	11
20	The Role of Interventional Radiology in the Management of Late Postpancreaticoduodenectomy Hemorrhage. <i>BioMed Research International</i> , 2020, 2020, 1-6.	0.9	6
21	pSTAT3 Y705 is a prognostic biomarker identified from time-series gene expression profiles of a chemically induced mouse model of hepatocellular carcinoma. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 1443-1458.	0.0	0
22	Enhanced PAPSS2/VCAN sulfation axis is essential for Snail-mediated breast cancer cell migration and metastasis. <i>Cell Death and Differentiation</i> , 2019, 26, 565-579.	5.0	91
23	Mixed adenoendocrine carcinoma in the extrahepatic biliary tract: A case report and literature review. <i>Oncology Letters</i> , 2019, 18, 1585-1596.	0.8	10
24	MicroRNA-410-3p upregulation suppresses proliferation, invasion and migration, and promotes apoptosis in rhabdomyosarcoma cells. <i>Oncology Letters</i> , 2019, 18, 936-943.	0.8	14
25	Comparison of clinical outcomes of different components of diabetic macular edema on optical coherence tomography. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 2613-2621.	1.0	11
26	Dynamic modifications of biomacromolecules: mechanism and chemical interventions. <i>Science China Life Sciences</i> , 2019, 62, 1459-1471.	2.3	14
27	A back-door Phenylalanine coordinates the stepwise hexameric loading of acyl carrier protein by the fatty acid biosynthesis enzyme $\beta$ -hydroxyacyl-acyl carrier protein dehydratase (FabZ). <i>International Journal of Biological Macromolecules</i> , 2019, 128, 5-11.	3.6	7
28	Thymine DNA glycosylase recognizes the geometry alteration of minor grooves induced by 5-formylcytosine and 5-carboxylcytosine. <i>Chemical Science</i> , 2019, 10, 7407-7417.	3.7	20
29	Structural insights into FTO's catalytic mechanism for the demethylation of multiple RNA substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2919-2924.	3.3	163
30	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.	7.9	79
31	MicroRNA-874 functions as a tumor suppressor in rhabdomyosarcoma by directly targeting GEFT. <i>American Journal of Cancer Research</i> , 2019, 9, 668-681.	1.4	8
32	Neuroendocrine carcinoma in the extrahepatic biliary tract. <i>Medicine (United States)</i> , 2018, 97, e11487.	0.4	11
33	Crucial Role of Postsynaptic Syntaxin 4 in Mediating Basal Neurotransmission and Synaptic Plasticity in Hippocampal CA1 Neurons. <i>Cell Reports</i> , 2018, 23, 2955-2966.	2.9	26
34	Overcoming erlotinib resistance in EGFR mutation-positive lung adenocarcinomas through repression of phosphoglycerate dehydrogenase. <i>Theranostics</i> , 2018, 8, 1808-1823.	4.6	57
35	iASPP-PP1 complex is required for cytokinetic abscission by controlling CEP55 dephosphorylation. <i>Cell Death and Disease</i> , 2018, 9, 528.	2.7	17
36	c-MET expression potentially contributes to the poor prognosis of rhabdomyosarcoma. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 4083-4092.	0.5	4

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37	Chromate Binding and Removal by the Molybdate-binding Protein ModA. <i>ChemBioChem</i> , 2017, 18, 633-637.	1.3	7
38	A possible relationship between serum sex hormones and benign prostatic hyperplasia/lower urinary tract symptoms in men who underwent transurethral prostate resection. <i>Asian Journal of Andrology</i> , 2017, 19, 230.	0.8	11
39	Crystal structure of FabZ-ACP complex reveals a dynamic seesaw-like catalytic mechanism of dehydratase in fatty acid biosynthesis. <i>Cell Research</i> , 2016, 26, 1330-1344.	5.7	31
40	Interdomain Contacts and the Stability of Serralyisin Protease from <i>Serratia marcescens</i> . <i>PLoS ONE</i> , 2015, 10, e0138419.	1.1	19
41	6-Phosphogluconate dehydrogenase links oxidative PPP, lipogenesis and tumour growth by inhibiting LKB1-AMPK signalling. <i>Nature Cell Biology</i> , 2015, 17, 1484-1496.	4.6	224
42	Growth hormone used to control intractable bleeding caused by radiation-induced gastritis. <i>World Journal of Gastroenterology</i> , 2015, 21, 9453.	1.4	9
43	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. <i>FEBS Letters</i> , 2014, 588, 892-898.	1.3	50
44	A TET Homologue Protein from <i>Coprinopsis cinerea</i> (CcTET) That Biochemically Converts 5-Methylcytosine to 5-Hydroxymethylcytosine, 5-Formylcytosine, and 5-Carboxylcytosine. <i>Journal of the American Chemical Society</i> , 2014, 136, 4801-4804.	6.6	56
45	A METTL3-METTL14 complex mediates mammalian nuclear RNA N6-adenosine methylation. <i>Nature Chemical Biology</i> , 2014, 10, 93-95.	3.9	2,342
46	A protein engineered to bind uranyl selectively and with femtomolar affinity. <i>Nature Chemistry</i> , 2014, 6, 236-241.	6.6	262
47	Lysine Acetylation Activates 6-Phosphogluconate Dehydrogenase to Promote Tumor Growth. <i>Molecular Cell</i> , 2014, 55, 552-565.	4.5	107
48	Modulation of the Epithelial Sodium Channel (ENaC) by Bacterial Metalloproteases and Protease Inhibitors. <i>PLoS ONE</i> , 2014, 9, e100313.	1.1	26
49	Tet-mediated covalent labelling of 5-methylcytosine for its genome-wide detection and sequencing. <i>Nature Communications</i> , 2013, 4, 1517.	5.8	48
50	Tyr26 phosphorylation of PGAM1 provides a metabolic advantage to tumours by stabilizing the active conformation. <i>Nature Communications</i> , 2013, 4, 1790.	5.8	75
51	Molecular mechanism of quinone signaling mediated through S-quinonization of a YodB family repressor QsrR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5010-5015.	3.3	40
52	Protein cysteine phosphorylation of SarA/MgrA family transcriptional regulators mediates bacterial virulence and antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15461-15466.	3.3	151
53	Thymine DNA glycosylase specifically recognizes 5-carboxylcytosine-modified DNA. <i>Nature Chemical Biology</i> , 2012, 8, 328-330.	3.9	273
54	Phosphoglycerate Mutase 1 Coordinates Glycolysis and Biosynthesis to Promote Tumor Growth. <i>Cancer Cell</i> , 2012, 22, 585-600.	7.7	329

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55	Synthesis of DNA oligos containing 2'-deoxy-2'-fluoro-d-arabinofuranosyl-5-carboxylcytosine as hTDG inhibitor. <i>Tetrahedron</i> , 2012, 68, 5145-5151.	1.0	10
56	Base-Resolution Analysis of 5-Hydroxymethylcytosine in the Mammalian Genome. <i>Cell</i> , 2012, 149, 1368-1380.	13.5	912
57	<i>Staphylococcus aureus</i> CymR Is a New Thiol-based Oxidation-sensing Regulator of Stress Resistance and Oxidative Response. <i>Journal of Biological Chemistry</i> , 2012, 287, 21102-21109.	1.6	38
58	Mouse Tet1 Protein can Oxidize 5mC to 5hmC and 5caC on Single-stranded DNA. <i>Acta Chimica Sinica</i> , 2012, 70, 2123.	0.5	6
59	Emodin targets the $\hat{1}^2$ -hydroxyacyl-acyl carrier protein dehydratase from <i>Helicobacter pylori</i> : enzymatic inhibition assay with crystal structural and thermodynamic characterization. <i>BMC Microbiology</i> , 2009, 9, 91.	1.3	22
60	Discovering Potent Inhibitors Against the $\hat{1}^2$ -Hydroxyacyl-Acyl Carrier Protein Dehydratase (FabZ) of <i>Helicobacter pylori</i> : Structure-Based Design, Synthesis, Bioassay, and Crystal Structure Determination. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2465-2481.	2.9	46
61	Structural Basis for Catalytic and Inhibitory Mechanisms of $\hat{1}^2$ -Hydroxyacyl-acyl Carrier Protein Dehydratase (FabZ). <i>Journal of Biological Chemistry</i> , 2008, 283, 5370-5379.	1.6	65
62	Three flavonoids targeting the $\hat{1}^2$ -hydroxyacyl-acyl carrier protein dehydratase from <i>Helicobacter pylori</i> : Crystal structure characterization with enzymatic inhibition assay. <i>Protein Science</i> , 2008, 17, 1971-1978.	3.1	121
63	Natural product juglone targets three key enzymes from <i>Helicobacter pylori</i> : inhibition assay with crystal structure characterization1. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 870-876.	2.8	42
64	<i>Helicobacter pylori</i> acyl carrier protein: Expression, purification, and its interaction with $\hat{1}^2$ -hydroxyacyl-ACP dehydratase. <i>Protein Expression and Purification</i> , 2007, 52, 74-81.	0.6	14
65	Malonyl-CoA: acyl carrier protein transacylase from <i>Helicobacter pylori</i> : Crystal structure and its interaction with acyl carrier protein. <i>Protein Science</i> , 2007, 16, 1184-1192.	3.1	42
66	Folding of the SARS Coronavirus Spike Glycoprotein Immunological Fragment (SARS_S1B): Thermodynamic and Kinetic Investigation Correlating with Three-Dimensional Structural Modeling. <i>Biochemistry</i> , 2005, 44, 1453-1463.	1.2	5
67	The three-dimensional structure and the relationship between external and internal vascularizations in the brain of rat embryos. <i>Chinese Medical Journal</i> , 2004, 117, 280-5.	0.9	2
68	&lt;b&gt;Antimicrobial activity of local anesthetics &lt;/b&gt;. <i>Pain Research</i> , 2003, 18, 19-24.	0.1	4
69	Circulatory disturbance of rat spinal cord induced by occluding ligation of the dorsal spinal vein. <i>Acta Neuropathologica</i> , 2001, 102, 335-338.	3.9	15
70	Collaborations Tailored for Bioinformatics Projects. <i>Science</i> , 2000, 290, 2074a-2074.	6.0	2
71	A comparative study of transurethral electrovaporization of the prostate (TVP) and transurethral resection of the prostate (TURP) for the treatment of benign prostate hyperplasia (BPH). <i>Japanese Journal of Urology</i> , 1997, 88, 284.	0.0	0
72	Long-Term results of cyst decapitating decompression (CDD) operation for autosomal dominant polycystic diseases (ADPKD). <i>Japanese Journal of Urology</i> , 1997, 88, 353.	0.0	0

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73	Transurethral electrovaporization of the bladder tumor (TVBT) : Preliminary report of 15 cases. Japanese Journal of Urology, 1997, 88, 278.	0.0	0