

# Lianfeng Zhang

## List of Publications by Year in descending order

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78  
papers

3,989  
citations

136950

32  
h-index

128289

60  
g-index

86  
all docs

86  
docs citations

86  
times ranked

7582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncoupling protein 1 knockout aggravates isoproterenol-induced acute myocardial ischemia via AMPK/mTOR/PPAR $\alpha$ pathways in rats. <i>Transgenic Research</i> , 2022, 31, 107-118.	2.4	9
2	SETD5 modulates homeostasis of hematopoietic stem cells by mediating RNA Polymerase II pausing in cooperation with HCF-1. <i>Leukemia</i> , 2022, 36, 1111-1122.	7.2	7
3	Chemokine CCL18 Promotes Phagocytosis Through Its Receptor CCR8 Rather than PITPNM3 in Human Microglial Cells. <i>Journal of Interferon and Cytokine Research</i> , 2022, 42, 19-28.	1.2	2
4	Myocardium-specific Isca1 knockout causes iron metabolism disorder and myocardial oncosis in rat. <i>Life Sciences</i> , 2022, 297, 120485.	4.3	5
5	TRDMT1 exhibited protective effects against LPS-induced inflammation in rats through TLR4/NF $\kappa$ B/MAPK/NF $\kappa$ B pathway. <i>Animal Models and Experimental Medicine</i> , 2022, 5, 172-182.	3.3	13
6	Pon1 Deficiency Promotes Trem2 Pathway-Mediated Microglial Phagocytosis and Inhibits Pro-inflammatory Cytokines Release In Vitro and In Vivo. <i>Molecular Neurobiology</i> , 2022, 59, 4612-4629.	4.0	8
7	Ablation of C9orf72 together with excitotoxicity induces ALS in rats. <i>FEBS Journal</i> , 2021, 288, 1712-1723.	4.7	15
8	Critical role of Syk-dependent STAT1 activation in innate antiviral immunity. <i>Cell Reports</i> , 2021, 34, 108627.	6.4	31
9	SARS-CoV-2 infection aggravates chronic comorbidities of cardiovascular diseases and diabetes in mice. <i>Animal Models and Experimental Medicine</i> , 2021, 4, 2-15.	3.3	17
10	MiR-29a Knockout Aggravates Neurological Damage by Pre-polarizing M1 Microglia in Experimental Rat Models of Acute Stroke. <i>Frontiers in Genetics</i> , 2021, 12, 642079.	2.3	6
11	EphA4 is highly expressed in the atria of heart and its deletion leads to atrial hypertrophy and electrocardiographic abnormalities in rats. <i>Life Sciences</i> , 2021, 278, 119595.	4.3	6
12	Precision modeling of mitochondrial disease in rats via DdCBE-mediated mtDNA editing. <i>Cell Discovery</i> , 2021, 7, 95.	6.7	30
13	Diallyl sulfide protects against dilated cardiomyopathy via inhibition of oxidative stress and apoptosis in mice. <i>Molecular Medicine Reports</i> , 2021, 24, .	2.4	5
14	Cis-acting lnc-Cxcl2 restrains neutrophil-mediated lung inflammation by inhibiting epithelial cell CXCL2 expression in virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
15	IRF3-binding lncRNA-ISIR strengthens interferon production in viral infection and autoinflammation. <i>Cell Reports</i> , 2021, 37, 109926.	6.4	18
16	Knock in of a hexanucleotide repeat expansion in the C9orf72 gene induces ALS in rats. <i>Animal Models and Experimental Medicine</i> , 2020, 3, 237-244.	3.3	15
17	LncRNA Malat1 inhibition of TDP43 cleavage suppresses IRF3-initiated antiviral innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23695-23706.	7.1	99
18	Fc $\gamma$ 3 Receptor-Coupled Signaling in Peripheral Nociceptors Mediates Joint Pain in a Rat Model of Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2020, 72, 1668-1678.	5.6	19

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19	GORAB promotes embryonic lung maturation through antagonizing AKT phosphorylation, versican expression, and mesenchymal cell migration. <i>FASEB Journal</i> , 2020, 34, 4918-4933.	0.5	0
20	Evodiamine derivatives improve cognitive abilities in APP <sup>swe</sup> /PS1 <sup>E9</sup> transgenic mouse models of Alzheimer's disease. <i>Animal Models and Experimental Medicine</i> , 2020, 3, 193-199.	3.3	9
21	Interferon-inducible cytoplasmic IncLrrc55-AS promotes antiviral innate responses by strengthening IRF3 phosphorylation. <i>Cell Research</i> , 2019, 29, 641-654.	12.0	42
22	Knockout of <i>ISCA1</i> causes early embryonic death in rats. <i>Animal Models and Experimental Medicine</i> , 2019, 2, 18-24.	3.3	14
23	The long noncoding RNA Lnczc3h7a promotes a TRIM25-mediated RIG-I antiviral innate immune response. <i>Nature Immunology</i> , 2019, 20, 812-823.	14.5	140
24	Novel lncRNA-IUR suppresses Bcr-Abl-induced tumorigenesis through regulation of STAT5-CD71 pathway. <i>Molecular Cancer</i> , 2019, 18, 84.	19.2	35
25	New Molecular Mechanism Underlying Myc-Mediated Cytochrome P450 2E1 Upregulation in Apoptosis and Energy Metabolism in the Myocardium. <i>Journal of the American Heart Association</i> , 2019, 8, e009871.	3.7	15
26	RNA-binding protein YTHDF3 suppresses interferon-dependent antiviral responses by promoting FOXO3 translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 976-981.	7.1	120
27	Low Maternal Dietary Folate Alters Retrotranspose by Methylation Regulation in Intrauterine Growth Retardation (IUGR) Fetuses in a Mouse Model. <i>Medical Science Monitor</i> , 2019, 25, 3354-3365.	1.1	11
28	mTOR masters monocyte development in bone marrow by decreasing the inhibition of STAT5 on IRF8. <i>Blood</i> , 2018, 131, 1587-1599.	1.4	37
29	Characterization and allergic role of IL-33-induced neutrophil polarization. <i>Cellular and Molecular Immunology</i> , 2018, 15, 782-793.	10.5	49
30	IL-23-induced macrophage polarization and its pathological roles in mice with imiquimod-induced psoriasis. <i>Protein and Cell</i> , 2018, 9, 1027-1038.	11.0	92
31	<i>Ptfr</i> transgenic mice exhibit obesity and fatty liver. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 704-710.	1.9	4
32	Meox1 accelerates myocardial hypertrophic decompensation through Gata4. <i>Cardiovascular Research</i> , 2018, 114, 300-311.	3.8	30
33	Self-Recognition of an Inducible Host lncRNA by RIG-I Feedback Restricts Innate Immune Response. <i>Cell</i> , 2018, 173, 906-919.e13.	28.9	224
34	Tumor-Induced Generation of Splenic Erythroblast-like Ter-Cells Promotes Tumor Progression. <i>Cell</i> , 2018, 173, 634-648.e12.	28.9	118
35	Characterization and biological significance of IL-23-induced neutrophil polarization. <i>Cellular and Molecular Immunology</i> , 2018, 15, 518-530.	10.5	32
36	Phosphatase wild-type p53-induced phosphatase 1 controls the development of TH9 cells and allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2168-2181.	2.9	14

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37	MTOR signaling is essential for the development of thymic epithelial cells and the induction of central immune tolerance. <i>Autophagy</i> , 2018, 14, 505-517.	9.1	22
38	Paraoxonase 1 knockout rats have impaired T cell development at the CD4/CD8 double-negative to double-positive transition stage. <i>Scientific Reports</i> , 2018, 8, 14457.	3.3	8
39	Hepatitis B Virusâ€“Upregulated LNCâ€“HUR1 Promotes Cell Proliferation and Tumorigenesis by Blocking p53 Activity. <i>Hepatology</i> , 2018, 68, 2130-2144.	7.3	46
40	Highly efficient and precise base editing by engineered dCas9-guide tRNA adenosine deaminase in rats. <i>Cell Discovery</i> , 2018, 4, 39.	6.7	35
41	Dickkopf 3 (Dkk3) Improves Amyloid-Î² Pathology, Cognitive Dysfunction, and Cerebral Glucose Metabolism in a Transgenic Mouse Model of Alzheimerâ€™s Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 733-746.	2.6	21
42	Nuclear carbonic anhydrase 6B associates with PRMT5 to epigenetically promote IL-12 expression in innate response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8620-8625.	7.1	21
43	CRISPR/Cas9â€“mediated targeting of the <i>Rosa26</i> locus produces Cre reporter rat strains for monitoring Creâ€“loxPâ€“mediated lineage tracing. <i>FEBS Journal</i> , 2017, 284, 3262-3277.	4.7	34
44	Building Cre Knockin Rat Lines Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2017, 1642, 37-52.	0.9	10
45	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. <i>Nature Immunology</i> , 2017, 18, 921-930.	14.5	132
46	Cyclophilin A-regulated ubiquitination is critical for RIG-I-mediated antiviral immune responses. <i>ELife</i> , 2017, 6, .	6.0	63
47	Quantitative proteomics reveals the novel co-expression signatures in early brain development for prognosis of glioblastoma multiforme. <i>Oncotarget</i> , 2016, 7, 14161-14171.	1.8	27
48	Mmu-miR-1894-3p Inhibits Cell Proliferation and Migration of Breast Cancer Cells by Targeting Trim46. <i>International Journal of Molecular Sciences</i> , 2016, 17, 609.	4.1	22
49	Tumor-selective replication herpes simplex virus-based technology significantly improves clinical detection and prognostication of viable circulating tumor cells. <i>Oncotarget</i> , 2016, 7, 39768-39783.	1.8	43
50	Cyclophilin A protects mice against infection by influenza A virus. <i>Scientific Reports</i> , 2016, 6, 28978.	3.3	19
51	Anti-Aging Effect of <i>Siraitia grosvenorii</i> by Enhancement of Hematopoietic Stem Cell Function. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 803-815.	3.8	7
52	5-(4-hydroxy-3-dimethoxybenzylidene)-rhodanine (RD-1)-improved mitochondrial function prevents anxiety- and depressive-like states induced by chronic corticosterone injections in mice. <i>Neuropharmacology</i> , 2016, 105, 587-593.	4.1	17
53	Increasing the efficiency of CRISPR/Cas9-mediated precise genome editing in rats by inhibiting NHEJ and using Cas9 protein. <i>RNA Biology</i> , 2016, 13, 605-612.	3.1	62
54	Correction of Hair Shaft Defects through Allele-Specific Silencing of Mutant Krt75. <i>Journal of Investigative Dermatology</i> , 2016, 136, 45-51.	0.7	6

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55	The Self-Specific Activation Receptor SLAM Family Is Critical for NK Cell Education. <i>Immunity</i> , 2016, 45, 292-304.	14.3	37
56	RNF122 suppresses antiviral type I interferon production by targeting RIG-I CARDs to mediate RIG-I degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9581-9586.	7.1	93
57	Corab Is Required for Dermal Condensate Cells to Respond to Hedgehog Signals during Hair Follicle Morphogenesis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 378-386.	0.7	14
58	Immunodominant SARS Coronavirus Epitopes in Humans Elicited both Enhancing and Neutralizing Effects on Infection in Non-human Primates. <i>ACS Infectious Diseases</i> , 2016, 2, 361-376.	3.8	265
59	Dkk3 prevents familial dilated cardiomyopathy development through Wnt pathway. <i>Laboratory Investigation</i> , 2016, 96, 239-248.	3.7	42
60	TNF $\alpha$ -induced M-MDSCs promote transplant immune tolerance via nitric oxide. <i>Journal of Molecular Medicine</i> , 2016, 94, 911-920.	3.9	35
61	TSC1 controls IL-1 $\beta$ expression in macrophages via mTORC1-dependent C/EBP $\beta$ pathway. <i>Cellular and Molecular Immunology</i> , 2016, 13, 640-650.	10.5	36
62	Preliminary Characterization of a Leptin Receptor Knockout Rat Created by CRISPR/Cas9 System. <i>Scientific Reports</i> , 2015, 5, 15942.	3.3	39
63	Phosphatase Wip1 controls antigen-independent B-cell development in a p53-dependent manner. <i>Blood</i> , 2015, 126, 620-628.	1.4	39
64	Heart-specific overexpression of (pro)renin receptor induces atrial fibrillation in mice. <i>International Journal of Cardiology</i> , 2015, 184, 28-35.	1.7	16
65	Quinolizidine alkaloids reduced mortality in EV71-infected mice by compensating for the levels of T cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3526-3528.	2.2	7
66	Ultrasmall Glutathione-Protected Gold Nanoclusters as Next Generation Radiotherapy Sensitizers with High Tumor Uptake and High Renal Clearance. <i>Scientific Reports</i> , 2015, 5, 8669.	3.3	212
67	Deferoxamine Compensates for Decreases in B Cell Counts and Reduces Mortality in Enterovirus 71-Infected Mice. <i>Marine Drugs</i> , 2014, 12, 4086-4095.	4.6	16
68	Heritable Multiplex Genetic Engineering in Rats Using CRISPR/Cas9. <i>PLoS ONE</i> , 2014, 9, e89413.	2.5	90
69	Suppression of Interferon Lambda Signaling by SOCS-1 Results in Their Excessive Production during Influenza Virus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003845.	4.7	95
70	Metabolizable Bi <sub>2</sub> Se <sub>3</sub> Nanoplates: Biodistribution, Toxicity, and Uses for Cancer Radiation Therapy and Imaging. <i>Advanced Functional Materials</i> , 2014, 24, 1718-1729.	14.9	226
71	Generating rats with conditional alleles using CRISPR/Cas9. <i>Cell Research</i> , 2014, 24, 122-125.	12.0	169
72	TSC1 controls macrophage polarization to prevent inflammatory disease. <i>Nature Communications</i> , 2014, 5, 4696.	12.8	240

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73	SAP-Regulated T Cellâ€“APC Adhesion and Ligation-Dependent and -Independent Ly108â€“CD3Î¶ Interactions. Journal of Immunology, 2014, 193, 3860-3871.	0.8	25
74	Calponin1 inhibits dilated cardiomyopathy development in mice through the Î¼PKC pathway. International Journal of Cardiology, 2014, 173, 146-153.	1.7	19
75	The Inhibitory Effect of IFN-Î³ on Protease HTRA1 Expression in Rheumatoid Arthritis. Journal of Immunology, 2014, 193, 130-138.	0.8	33
76	WIF1 causes dysfunction of heart in transgenic mice. Transgenic Research, 2013, 22, 1179-1189.	2.4	14
77	Knockdown of Cytochrome P450 2E1 Inhibits Oxidative Stress and Apoptosis in the cTnT<sup>R141W</sup> Dilated Cardiomyopathy Transgenic Mice. Hypertension, 2012, 60, 81-89.	2.7	63
78	miR-34a, a microRNA up-regulated in a double transgenic mouse model of Alzheimer's disease, inhibits bcl2 translation. Brain Research Bulletin, 2009, 80, 268-273.	3.0	253