

# 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	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
2	miR-34a, a microRNA up-regulated in a double transgenic mouse model of Alzheimer's disease, inhibits bcl2 translation. <i>Brain Research Bulletin</i> , 2009, 80, 268-273.	3.0	253
3	TSC1 controls macrophage polarization to prevent inflammatory disease. <i>Nature Communications</i> , 2014, 5, 4696.	12.8	240
4	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
5	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
6	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
7	Generating rats with conditional alleles using CRISPR/Cas9. <i>Cell Research</i> , 2014, 24, 122-125.	12.0	169
8	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
9	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
10	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
11	Tumor-Induced Generation of Splenic Erythroblast-like Ter-Cells Promotes Tumor Progression. <i>Cell</i> , 2018, 173, 634-648.e12.	28.9	118
12	LncRNA <i>Malat1</i> 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
13	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
14	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
15	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
16	Heritable Multiplex Genetic Engineering in Rats Using CRISPR/Cas9. <i>PLoS ONE</i> , 2014, 9, e89413.	2.5	90
17	Knockdown of Cytochrome P450 2E1 Inhibits Oxidative Stress and Apoptosis in the cTnT <sup>R141W</sup> Dilated Cardiomyopathy Transgenic Mice. <i>Hypertension</i> , 2012, 60, 81-89.	2.7	63
18	Cyclophilin A-regulated ubiquitination is critical for RIG-I-mediated antiviral immune responses. <i>ELife</i> , 2017, 6, .	6.0	63

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19	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
20	Characterization and allergic role of IL-33-induced neutrophil polarization. <i>Cellular and Molecular Immunology</i> , 2018, 15, 782-793.	10.5	49
21	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
22	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
23	Dkk3 prevents familial dilated cardiomyopathy development through Wnt pathway. <i>Laboratory Investigation</i> , 2016, 96, 239-248.	3.7	42
24	Interferon-inducible cytoplasmic lncLrrc55-AS promotes antiviral innate responses by strengthening IRF3 phosphorylation. <i>Cell Research</i> , 2019, 29, 641-654.	12.0	42
25	Preliminary Characterization of a Leptin Receptor Knockout Rat Created by CRISPR/Cas9 System. <i>Scientific Reports</i> , 2015, 5, 15942.	3.3	39
26	Phosphatase Wip1 controls antigen-independent B-cell development in a p53-dependent manner. <i>Blood</i> , 2015, 126, 620-628.	1.4	39
27	The Self-Specific Activation Receptor SLAM Family Is Critical for NK Cell Education. <i>Immunity</i> , 2016, 45, 292-304.	14.3	37
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	TSC1 controls IL-1Î² expression in macrophages via mTORC1-dependent C/EBPÎ² pathway. <i>Cellular and Molecular Immunology</i> , 2016, 13, 640-650.	10.5	36
30	TNFÎ±-induced M-MDSCs promote transplant immune tolerance via nitric oxide. <i>Journal of Molecular Medicine</i> , 2016, 94, 911-920.	3.9	35
31	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
32	Novel lncRNA-IUR suppresses Bcr-Abl-induced tumorigenesis through regulation of STAT5-CD71 pathway. <i>Molecular Cancer</i> , 2019, 18, 84.	19.2	35
33	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
34	The Inhibitory Effect of IFN-Î³ on Protease HTRA1 Expression in Rheumatoid Arthritis. <i>Journal of Immunology</i> , 2014, 193, 130-138.	0.8	33
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	Critical role of Syk-dependent STAT1 activation in innate antiviral immunity. <i>Cell Reports</i> , 2021, 34, 108627.	6.4	31

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37	Meox1 accelerates myocardial hypertrophic decompensation through Gata4. Cardiovascular Research, 2018, 114, 300-311.	3.8	30
38	Precision modeling of mitochondrial disease in rats via DdCBE-mediated mtDNA editing. Cell Discovery, 2021, 7, 95.	6.7	30
39	Quantitative proteomics reveals the novel co-expression signatures in early brain development for prognosis of glioblastoma multiforme. Oncotarget, 2016, 7, 14161-14171.	1.8	27
40	SAP-Regulated T Cell-APC Adhesion and Ligation-Dependent and -Independent Ly108-CD3 Interactions. Journal of Immunology, 2014, 193, 3860-3871.	0.8	25
41	Cis-acting lnc-Cxcl2 restrains neutrophil-mediated lung inflammation by inhibiting epithelial cell CXCL2 expression in virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
42	Mmu-miR-1894-3p Inhibits Cell Proliferation and Migration of Breast Cancer Cells by Targeting Trim46. International Journal of Molecular Sciences, 2016, 17, 609.	4.1	22
43	MTOR signaling is essential for the development of thymic epithelial cells and the induction of central immune tolerance. Autophagy, 2018, 14, 505-517.	9.1	22
44	Dickkopf 3 (Dkk3) Improves Amyloid- $\beta$ Pathology, Cognitive Dysfunction, and Cerebral Glucose Metabolism in a Transgenic Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2017, 60, 733-746.	2.6	21
45	Nuclear carbonic anhydrase 6B associates with PRMT5 to epigenetically promote IL-12 expression in innate response. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8620-8625.	7.1	21
46	Calponin1 inhibits dilated cardiomyopathy development in mice through the $\mu$ PKC pathway. International Journal of Cardiology, 2014, 173, 146-153.	1.7	19
47	Cyclophilin A protects mice against infection by influenza A virus. Scientific Reports, 2016, 6, 28978.	3.3	19
48	Fc $\gamma$ 3 Receptor- Coupled Signaling in Peripheral Nociceptors Mediates Joint Pain in a Rat Model of Rheumatoid Arthritis. Arthritis and Rheumatology, 2020, 72, 1668-1678.	5.6	19
49	IRF3-binding lncRNA-ISIR strengthens interferon production in viral infection and autoinflammation. Cell Reports, 2021, 37, 109926.	6.4	18
50	5-(4-hydroxy-3-dimethoxybenzylidene)-rhodanine (RD-1)-improved mitochondrial function prevents anxiety- and depressive-like states induced by chronic corticosterone injections in mice. Neuropharmacology, 2016, 105, 587-593.	4.1	17
51	SARS-CoV-2 infection aggravates chronic comorbidities of cardiovascular diseases and diabetes in mice. Animal Models and Experimental Medicine, 2021, 4, 2-15.	3.3	17
52	Deferoxamine Compensates for Decreases in B Cell Counts and Reduces Mortality in Enterovirus 71-Infected Mice. Marine Drugs, 2014, 12, 4086-4095.	4.6	16
53	Heart-specific overexpression of (pro)renin receptor induces atrial fibrillation in mice. International Journal of Cardiology, 2015, 184, 28-35.	1.7	16
54	New Molecular Mechanism Underlying Myc-Mediated Cytochrome P450 2E1 Upregulation in Apoptosis and Energy Metabolism in the Myocardium. Journal of the American Heart Association, 2019, 8, e009871.	3.7	15

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55	Knock in of a hexanucleotide repeat expansion in the <i>C9orf72</i> gene induces ALS in rats. <i>Animal Models and Experimental Medicine</i> , 2020, 3, 237-244.	3.3	15
56	Ablation of C9orf72 together with excitotoxicity induces ALS in rats. <i>FEBS Journal</i> , 2021, 288, 1712-1723.	4.7	15
57	WIF1 causes dysfunction of heart in transgenic mice. <i>Transgenic Research</i> , 2013, 22, 1179-1189.	2.4	14
58	Gorab 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
59	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
60	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
61	<i>TRDMT1</i> exhibited protective effects against <i>LPS</i> -induced inflammation in rats through <i>TLR4</i> / <i>MyD88</i> / <i>MAPK</i> / <i>TNF</i> pathway. <i>Animal Models and Experimental Medicine</i> , 2022, 5, 172-182.	3.3	13
62	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
63	Building Cre Knockin Rat Lines Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2017, 1642, 37-52.	0.9	10
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	Myocardium-specific Isca1 knockout causes iron metabolism disorder and myocardial oncosis in rat. <i>Life Sciences</i> , 2022, 297, 120485.	4.3	5
76	<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
77	Chemokine <i>CCL18</i> 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
78	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