Ling Zhao

List of Publications by Year
in descending order

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101 papers	2,905 citations	147801 31 h-index	214800 47 g-index
104 all docs	104 docs citations	104 times ranked	3481 citing authors

#	Article	IF	Citations
1	Antagonism of the Interferon-Induced OAS-RNase L Pathway by Murine Coronavirus ns2 Protein Is Required for Virus Replication and Liver Pathology. Cell Host and Microbe, 2012, 11, 607-616.	11.0	242
2	A dysregulated bile acid-gut microbiota axis contributes to obesity susceptibility. EBioMedicine, 2020, 55, 102766.	6.1	128
3	Homologous 2â€²,5â€²-phosphodiesterases from disparate RNA viruses antagonize antiviral innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13114-13119.	7.1	118
4	A Clostridia-rich microbiota enhances bile acid excretion in diarrhea-predominant irritable bowel syndrome. Journal of Clinical Investigation, 2019, 130, 438-450.	8.2	101
5	Saturated long-chain fatty acid-producing bacteria contribute to enhanced colonic motility in rats. Microbiome, 2018, 6, 107.	11.1	92
6	Role of chemokines in the enhancement of BBB permeability and inflammatory infiltration after rabies virus infection. Virus Research, 2009, 144, 18-26.	2.2	81
7	The Roles of Chemokines in Rabies Virus Infection: Overexpression May Not Always Be Beneficial. Journal of Virology, 2009, 83, 11808-11818.	3.4	80
8	Expression of MIP-1Î± (CCL3) by a Recombinant Rabies Virus Enhances Its Immunogenicity by Inducing Innate Immunity and Recruiting Dendritic Cells and B Cells. Journal of Virology, 2010, 84, 9642-9648.	3.4	67
9	Cell-Type-Specific Type I Interferon Antagonism Influences Organ Tropism of Murine Coronavirus. Journal of Virology, 2011, 85, 10058-10068.	3.4	59
10	Spexin Enhances Bowel Movement through Activating L-type Voltage-dependent Calcium Channel via Galanin Receptor 2 in Mice. Scientific Reports, 2015, 5, 12095.	3.3	57
11	EV71 infection induces neurodegeneration via activating TLR7 signaling and IL-6 production. PLoS Pathogens, 2019, 15, e1008142.	4.7	56
12	Cell-Type-Specific Activation of the Oligoadenylate Synthetaseâ€“RNase L Pathway by a Murine Coronavirus. Journal of Virology, 2013, 87, 8408-8418.	3.4	52
13	The nucleocapsid proteins of mouse hepatitis virus and severe acute respiratory syndrome coronavirus share the same IFN-Î² antagonizing mechanism: attenuation of PACT-mediated RIG-I/MDA5 activation. Oncotarget, 2017, 8, 49655-49670.	1.8	50
14	Insulinoma-associated protein 1 is a novel sensitive and specific marker for small cell carcinoma of the prostate. Human Pathology, 2018, 79, 151-159.	2.0	49
15	Cyclocarya paliurus Leaves Tea Improves Dyslipidemia in Diabetic Mice: A Lipidomics-Based Network Pharmacology Study. Frontiers in Pharmacology, 2018, 9, 973.	3.5	48
16	Critical Role of K1685 and K1829 in the Large Protein of Rabies Virus in Viral Pathogenicity and Immune Evasion. Journal of Virology, 2016, 90, 232-244.	3.4	46
17	Magnolol, a Natural Polyphenol, Attenuates Dextran Sulfate Sodium-Induced Colitis in Mice. Molecules, 2017, 22, 1218.	3.8	46
18	Uncovering the Mechanisms of Chinese Herbal Medicine (MaZiRenWan) for Functional Constipation by Focused Network Pharmacology Approach. Frontiers in Pharmacology, 2018, 9, 270.	3.5	44

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19	MOST: most-similar ligand based approach to target prediction. BMC Bioinformatics, 2017, 18, 165.	2.6	43
20	Meningeal lymphatic vessels mediate neurotropic viral drainage from the central nervous system. Nature Neuroscience, 2022, 25, 577-587.	14.8	43
21	Early life stress disrupts intestinal homeostasis via NGF-TrkA signaling. Nature Communications, 2019, 10, 1745.	12.8	42
22	Lab-Attenuated Rabies Virus Causes Abortive Infection and Induces Cytokine Expression in Astrocytes by Activating Mitochondrial Antiviral-Signaling Protein Signaling Pathway. Frontiers in Immunology, 2017, 8, 2011.	4.8	40
23	Structural basis for the dimerization and substrate recognition specificity of porcine epidemic diarrhea virus 3C-like protease. Virology, 2016, 494, 225-235.	2.4	39
24	Chinese herbal medicine for constipation: zheng-based associations among herbs, formulae, proprietary medicines, and herbâ€“drug interactions. Chinese Medicine, 2016, 11, 28.	4.0	39
25	A novel antiviral lncRNA, EDAL, shields a T309 O-GlcNAcylation site to promote EZH2 lysosomal degradation. Genome Biology, 2020, 21, 228.	8.8	38
26	Circulating Spexin Levels Negatively Correlate With Age, BMI, Fasting Glucose, and Triglycerides in Healthy Adult Women. Journal of the Endocrine Society, 2018, 2, 409-419.	0.2	37
27	Altered metabolome and microbiome features provide clues in understanding irritable bowel syndrome and depression comorbidity. ISME Journal, 2022, 16, 983-996.	9.8	36
28	Targeting histone methylation for colorectal cancer. Therapeutic Advances in Gastroenterology, 2017, 10, 114-131.	3.2	35
29	TLR7 Deficiency Leads to TLR8 Compensative Regulation of Immune Response against JEV in Mice. Frontiers in Immunology, 2017, 8, 160.	4.8	35
30	Simultaneous determination of ten compounds in rat plasma by UPLC-MS/MS: Application in the pharmacokinetic study of Ma-Zi-Ren-Wan. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1000, 136-146.	2.3	34
31	Efficacy of MaZiRenWan, a Chinese Herbal Medicine, in Patients With Functional Constipation in a Randomized Controlled Trial. Clinical Gastroenterology and Hepatology, 2019, 17, 1303-1310.e18.	4.4	33
32	Mechanism underlying activity-dependent insertion of TrkB into the neuronal surface. Journal of Cell Science, 2009, 122, 3123-3136.	2.0	32
33	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. Analytical Chemistry, 2020, 92, 8802-8809.	6.5	32
34	Dual-Mode Immunosensor for Electrochemiluminescence Resonance Energy Transfer and Electrochemical Detection of Rabies Virus Glycoprotein Based on Ru(bpy)₃²⁺-Loaded Dendritic Mesoporous Silica Nanoparticles. Analytical Chemistry, 2022, 94, 7655-7664.	6.5	32
35	Recombinant rabies virus expressing dog GM-CSF is an efficacious oral rabies vaccine for dogs. Oncotarget, 2015, 6, 38504-38516.	1.8	31
36	Rabies virus phosphoprotein interacts with ribosomal protein L9 and affects rabies virus replication. Virology, 2016, 488, 216-224.	2.4	30

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37	Overexpression of Interleukin-7 Extends the Humoral Immune Response Induced by Rabies Vaccination. Journal of Virology, 2017, 91, .	3.4	30
38	Monophosphoryl-Lipid A (MPLA) is an Efficacious Adjuvant for Inactivated Rabies Vaccines. Viruses, 2019, 11, 1118.	3.3	29
39	Î»-Carrageenan P32 Is a Potent Inhibitor of Rabies Virus Infection. PLoS ONE, 2015, 10, e0140586.	2.5	28
40	A Novel Rabies Vaccine Expressing CXCL13 Enhances Humoral Immunity by Recruiting both T Follicular Helper and Germinal Center B Cells. Journal of Virology, 2017, 91, .	3.4	28
41	Aptamer and RVG functionalized gold nanorods for targeted photothermal therapy of neurotropic virus infection in the mouse brain. Chemical Engineering Journal, 2021, 411, 128557.	12.7	27
42	Azoxystrobin Induces Apoptosis of Human Esophageal Squamous Cell Carcinoma KYSE-150 Cells through Triggering of the Mitochondrial Pathway. Frontiers in Pharmacology, 2017, 8, 277.	3.5	26
43	Spexin Acts as Novel Regulator for Bile Acid Synthesis. Frontiers in Physiology, 2018, 9, 378.	2.8	26
44	PABPC4 Broadly Inhibits Coronavirus Replication by Degrading Nucleocapsid Protein through Selective Autophagy. Microbiology Spectrum, 2021, 9, e0090821.	3.0	26
45	Toll-Like Receptor 7 Enhances Rabies Virus-Induced Humoral Immunity by Facilitating the Formation of Germinal Centers. Frontiers in Immunology, 2019, 10, 429.	4.8	24
46	Approaches in studying the pharmacology of Chinese Medicine formulas: bottom-up, top-downâ€"and meeting in the middle. Chinese Medicine, 2018, 13, 15.	4.0	23
47	Cholesterol 25-hydroxylase suppresses rabies virus infection by inhibiting viral entry. Archives of Virology, 2019, 164, 2963-2974.	2.1	22
48	Berberine Suppresses Colonic Inflammation in Dextran Sulfate Sodiumâ€"Induced Murine Colitis Through Inhibition of Cytosolic Phospholipase A2 Activity. Frontiers in Pharmacology, 2020, 11, 576496.	3.5	21
49	The ectodomain of rabies virus glycoprotein determines dendritic cell activation. Antiviral Research, 2017, 141, 1-6.	4.1	20
50	Composition of the murine gut microbiome impacts humoral immunity induced by rabies vaccines. Clinical and Translational Medicine, 2020, 10, e161.	4.0	20
51	Binding induced isothermal amplification reaction to activate CRISPR/Cas12a for amplified electrochemiluminescence detection of rabies viral RNA via DNA nanotweezer structure switching. Biosensors and Bioelectronics, 2022, 204, 114078.	10.1	19
52	Dual-mode amplified detection of rabies virus oligonucleotide via Y-shaped DNA assembly. Sensors and Actuators B: Chemical, 2020, 304, 127267.	7.8	18
53	Interferon-Î» Attenuates Rabies Virus Infection by Inducing Interferon-Stimulated Genes and Alleviating Neurological Inflammation. Viruses, 2020, 12, 405.	3.3	18
54	Comparison of complete genome sequences of dog rabies viruses isolated from China and Mexico reveals key amino acid changes that may be associated with virus replication and virulence. Archives of Virology, 2014, 159, 1593-1601.	2.1	17

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55	Syntaxin 8 Modulates the Post-synthetic Trafficking of the TrkA Receptor and Inflammatory Pain Transmission*. Journal of Biological Chemistry, 2014, 289, 19556-19569.	3.4	17
56	Down-regulation of Sonic hedgehog signaling pathway activity is involved in 5-fluorouracil-induced apoptosis and motility inhibition in Hep3B cells. Acta Biochimica Et Biophysica Sinica, 2008, 40, 819-829.	2.0	17
57	Simultaneous UPLCâ€“TQ-MS/MS determination of six active components in rat plasma: application in the pharmacokinetic study of Cyclocarya paliurus leaves. Chinese Medicine, 2019, 14, 28.	4.0	15
58	A novel rabies vaccine based on infectious propagating particles derived from hybrid VEEV-Rabies replicon. EBioMedicine, 2020, 56, 102819.	6.1	15
59	A Recombinant Rabies Virus Expressing Fms-like Tyrosine Kinase 3 Ligand (Flt3L) Induces Enhanced Immunogenicity in Mice. Virologica Sinica, 2019, 34, 662-672.	3.0	14
60	Interferon-Inducible GTPase 1 Impedes the Dimerization of Rabies Virus Phosphoprotein and Restricts Viral Replication. Journal of Virology, 2020, 94, .	3.4	14
61	Recombinant rabies virus expressing IL-21 enhances immunogenicity through activation of T follicular helper cells and germinal centre B cells. Journal of General Virology, 2016, 97, 3154-3160.	2.9	14
62	A recombinant canine distemper virus expressing interleukin-7 enhances humoral immunity. Journal of General Virology, 2019, 100, 602-615.	2.9	14
63	Colloidal Manganese Salt Improves the Efficacy of Rabies Vaccines in Mice, Cats, and Dogs. Journal of Virology, 2021, 95, e0141421.	3.4	13
64	Recombinant rabies virus expressing IL-15 enhances immunogenicity through promoting the activation of dendritic cells in mice. Virologica Sinica, 2017, 32, 317-327.	3.0	12
65	Murine Ifit3 restricts the replication of Rabies virus both in vitro and in vivo. Journal of General Virology, 2021, 102, .	2.9	12
66	Development of A Super-Sensitive Diagnostic Method for African Swine Fever Using CRISPR Techniques. Virologica Sinica, 2021, 36, 220-230.	3.0	12
67	An optimized HMGB1 expressed by recombinant rabies virus enhances immunogenicity through activation of dendritic cells in mice. Oncotarget, 2017, 8, 83539-83554.	1.8	12
68	Recombinant rabies virus with the glycoprotein fused with a DC-binding peptide is an efficacious rabies vaccine. Oncotarget, 2018, 9, 831-841.	1.8	12
69	Lipid Droplets Are Beneficial for Rabies Virus Replication by Facilitating Viral Budding. Journal of Virology, 2022, 96, JVI0147321.	3.4	12
70	Exhaustive Exercise Does Not Affect Humoral Immunity and Protection after Rabies Vaccination in a Mouse Model. Virologica Sinica, 2018, 33, 241-248.	3.0	11
71	Chinese Herbal Medicine (MaZiRenWan) Improves Bowel Movement in Functional Constipation Through Down-Regulating Oleamide. Frontiers in Pharmacology, 2019, 10, 1570.	3.5	11
72	Isolation and evolutionary analyses of porcine epidemic diarrhea virus in Asia. PeerJ, 2020, 8, e10114.	2.0	11

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73	CircCYP24A1 hampered malignant phenotype of renal cancer carcinoma through modulating CMTM-4 expression via sponging miR-421. Cell Death and Disease, 2022, 13, 190.	6.3	11
74	Halofuginone reduces the inflammatory responses of DSS-induced colitis through metabolic reprogramming. Molecular BioSystems, 2016, 12, 2296-2303.	2.9	10
75	Dual Role of Toll-Like Receptor 7 in the Pathogenesis of Rabies Virus in a Mouse Model. Journal of Virology, 2020, 94, .	3.4	10
76	Early diagnosis of rabies virus infection by RPA-CRISPR techniques in a rat model. Archives of Virology, 2021, 166, 1083-1092.	2.1	10
77	Codon optimization of G protein enhances rabies virus-induced humoral immunity. Journal of General Virology, 2019, 100, 1222-1233.	2.9	10
78	Recombinant Rabies Virus Overexpressing OX40-Ligand Enhances Humoral Immune Responses by Increasing T Follicular Helper Cells and Germinal Center B Cells. Vaccines, 2020, 8, 144.	4.4	9
79	A novel oral rabies vaccine enhances the immunogenicity through increasing dendritic cells activation and germinal center formation by expressing U-OMP19 in a mouse model. Emerging Microbes and Infections, 2021, 10, 913-928.	6.5	9
80	Effective cross-protection of a lyophilized live gE/gI/TK-deleted pseudorabies virus (PRV) vaccine against classical and variant PRV challenges. Veterinary Microbiology, 2022, 267, 109387.	1.9	9
81	Stomatin-like Protein 2 Promotes Tumor Cell Survival by Activating the JAK2-STAT3-PIM1 Pathway, Suggesting a Novel Therapy in CRC. Molecular Therapy - Oncolytics, 2020, 17, 169-179.	4.4	8
82	Comparison of lncRNA and mRNA expression in mouse brains infected by a wild-type and a lab-attenuated Rabies lyssavirus. Journal of General Virology, 2021, 102, .	2.9	8
83	Virus-Like Vesicles Based on Semliki Forest Virus-Containing Rabies Virus Glycoprotein Make a Safe and Efficacious Rabies Vaccine Candidate in a Mouse Model. Journal of Virology, 2021, 95, e0079021.	3.4	8
84	Is Contrast-Enhanced Ultrasound Superior to Computed Tomography for Differential Diagnosis of Gallbladder Polyps? A Cross-Sectional Study. Frontiers in Oncology, 2021, 11, 657223.	2.8	7
85	Toll-Like Receptor 4 Regulates Rabies Virus-Induced Humoral Immunity through Recruitment of Conventional Type 2 Dendritic Cells to Lymph Organs. Journal of Virology, 2021, 95, e0082921.	3.4	7
86	Comparison of the immunogenicity of two inactivated recombinant rabies viruses overexpressing the glycoprotein. Archives of Virology, 2016, 161, 2863-2870.	2.1	6
87	Mechanisms for PACAP-induced prolactin gene expression in grass carp pituitary cells. Journal of Endocrinology, 2017, 233, 37-51.	2.6	6
88	The role of altered brain structural connectivity in resilience, vulnerability, and disease expression to schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 101, 109917.	4.8	6
89	Crystal structure of the mouse hepatitis virus ns2 phosphodiesterase domain that antagonizes RNase L activation. Journal of General Virology, 2016, 97, 880-886.	2.9	6
90	A spatial and cellular distribution of rabies virus infection in the mouse brain revealed by fMOST and singleâ€cell RNA sequencing. Clinical and Translational Medicine, 2022, 12, e700.	4.0	6

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91	Managing Chronic Diarrhea From a Gut Microbiota-Bile Acid Perspective. Clinical and Translational Gastroenterology, 2020, 11, e00208.	2.5	4
92	G protein-coupled receptor 17 restricts rabies virus replication via BAK-mediated apoptosis. Veterinary Microbiology, 2022, 265, 109326.	1.9	4
93	A single dose of recombinant VSV-RABVG vaccine provides full protection against RABV challenge. Virologica Sinica, 2022, 37, 455-458.	3.0	4
94	Comprehensive Analysis of Protein Acetylation and Glucose Metabolism in Mouse Brains Infected with Rabies Virus. Journal of Virology, 2022, 96, JVI0194221.	3.4	4
95	P38 mitogen-activated protein kinase promotes Wnt/Î²-catenin signaling by impeding Dickkofp-1 expression during Haemophilus parasuis infection. Cytokine, 2020, 136, 155287.	3.2	3
96	The role of interferon regulatory factor 7 in the pathogenicity and immunogenicity of rabies virus in a mouse model. Journal of General Virology, 2021, 102, .	2.9	3
97	Different rabies outbreaks on two beef cattle farms in the same province of China: Diagnosis, virus characterization and epidemiological analysis. Transboundary and Emerging Diseases, 2021, 68, 1216-1228.	3.0	2
98	The Pathogenic Features of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Possible Mechanisms for Immune Evasion?. Frontiers in Immunology, 2021, 12, 693579.	4.8	2
99	Preexposure and Postexposure Prophylaxis of Rabies With Adeno-Associated Virus Expressing Virus-Neutralizing Antibody in Rodent Models. Frontiers in Microbiology, 2021, 12, 702273.	3.5	2
100	Overexpression of Interleukin-33 in Recombinant Rabies Virus Enhances Innate and Humoral Immune Responses through Activation of Dendritic Cell-Germinal Center Reactions. Vaccines, 2022, 10, 34.	4.4	2
101	lncRNA EDAL restricts rabies lyssavirus replication in a cell-specific and infection route-dependent manner. Journal of General Virology, 2022, 103, .	2.9	1