Genhong Cheng

List of Publications by Year
in descending order

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96 papers	7,956 citations	109264 35 h-index	54882 84 g-index
101 all docs	101 docs citations	101 times ranked	15339 citing authors

#	Article	IF	Citations
1	Role of Type I Interferon Signaling and Microglia in the Abnormal Long-term Potentiation and Object Place Recognition Deficits of Male Mice With a Mutation of the Tuberous Sclerosis 2 Gene. Biological Psychiatry Global Open Science, 2023, 3, 451-459.	1.0	0
2	Enhancing the HSV-1-mediated antitumor immune response by suppressing Bach1. Cellular and Molecular Immunology, 2022, 19, 516-526.	4.8	4
3	Total withanolides ameliorates imiquimod-induced psoriasis-like skin inflammation. Journal of Ethnopharmacology, 2022, 285, 114895.	2.0	10
4	Histone deacetylase 3 contributes to the antiviral innate immunity of macrophages by interacting with FOXK1 to regulate STAT1/2 transcription. Cell Reports, 2022, 38, 110302.	2.9	18
5	Sequence analysis of the emerging SARSâ€CoVâ€2 variant Omicron in South Africa. Journal of Medical Virology, 2022, 94, 1728-1733.	2.5	193
6	Suppressing fatty acid synthase by type I interferon and chemical inhibitors as a broad spectrum anti-viral strategy against SARS-CoV-2. Acta Pharmaceutica Sinica B, 2022, 12, 1624-1635.	5.7	12
7	The battle between host and SARS-CoV-2: Innate immunity and viral evasion strategies. Molecular Therapy, 2022, 30, 1869-1884.	3.7	36
8	CDK2 Inhibition Enhances Antitumor Immunity by Increasing IFN Response to Endogenous Retroviruses. Cancer Immunology Research, 2022, 10, 525-539.	1.6	7
9	Kynurenine-3-monooxygenase (KMO) broadly inhibits viral infections via triggering NMDAR/Ca2+ influx and CaMKII/ IRF3-mediated IFN-Î² production. PLoS Pathogens, 2022, 18, e1010366.	2.1	10
10	The Evolutionary Dance between Innate Host Antiviral Pathways and SARS-CoV-2. Pathogens, 2022, 11, 538.	1.2	4
11	Antibody engineering improves neutralization activity against K417 spike mutant SARS-CoV-2 variants. Cell and Bioscience, 2022, 12, 63.	2.1	4
12	Histone deacetylase 3 facilitates TNFÎ±-mediated NF-ÎºB activation through suppressing CTSB induced RIP1 degradation and is required for host defense against bacterial infection. Cell and Bioscience, 2022, 12, .	2.1	1
13	SARS-CoV-2 virus NSP14 Impairs NRF2/HMOX1 activation by targeting Sirtuin 1. , 2022, 19, 872-882.		32
14	Potential intervariant and intravariant recombination of Delta and Omicron variants. Journal of Medical Virology, 2022, 94, 4830-4838.	2.5	20
15	Zika virus NS3 protease induces bone morphogenetic protein-dependent brain calcification in human fetuses. Nature Microbiology, 2021, 6, 455-466.	5.9	15
16	One year of SARS-CoV-2 evolution. Cell Host and Microbe, 2021, 29, 503-507.	5.1	60
17	Modulation of Antiviral Immunity and Therapeutic Efficacy by 25-Hydroxycholesterol in Chronically SIV-Infected, ART-Treated Rhesus Macaques. Virologica Sinica, 2021, 36, 1197-1209.	1.2	6
18	ADP-ribosyltransferase PARP11 suppresses Zika virus in synergy with PARP12. Cell and Bioscience, 2021, 11, 116.	2.1	17

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19	Methods to Identify Immunogenic Peptides in SARSâ€CoVâ€2 Spike and Protective Monoclonal Antibodies in COVIDâ€19 Patients. Small Methods, 2021, 5, 2100058.	4.6	6
20	Protease cleavage of RNF20 facilitates coronavirus replication via stabilization of SREBP1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
21	GOLM1 suppresses autophagy-mediated anti-tumor immunity in hepatocellular carcinoma. Signal Transduction and Targeted Therapy, 2021, 6, 335.	7.1	4
22	Postnatal immune activation causes social deficits in a mouse model of tuberous sclerosis: Role of microglia and clinical implications. Science Advances, 2021, 7, eabf2073.	4.7	12
23	Homeoprotein SIX1 compromises antitumor immunity through TGF-Î²-mediated regulation of collagens. Cellular and Molecular Immunology, 2021, 18, 2660-2672.	4.8	5
24	Tamoxifen and clomiphene inhibit SARS-CoV-2 infection by suppressing viral entry. Signal Transduction and Targeted Therapy, 2021, 6, 435.	7.1	11
25	A review of Chinese medicine for the treatment of psoriasis: principles, methods and analysis. Chinese Medicine, 2021, 16, 138.	1.6	13
26	"Gut-skin"axis: understanding psoriasis from the gut. Die Pharmazie, 2021, 76, 523-527.	0.3	1
27	Combinatorial screening of a panel of FDA-approved drugs identifies several candidates with anti-Ebola activities. Biochemical and Biophysical Research Communications, 2020, 522, 862-868.	1.0	34
28	Will Hydroxychloroquine Still Be a Game-Changer for COVID-19 by Combining Azithromycin?. Frontiers in Immunology, 2020, 11, 1969.	2.2	5
29	25-Hydroxycholesterol is a potent SARS-CoV-2 inhibitor. Cell Research, 2020, 30, 1043-1045.	5.7	91
30	Gravidity-dependent associations between interferon response and birth weight in placental malaria. Malaria Journal, 2020, 19, 280.	0.8	5
31	Type-IInterferon-Inducible SERTAD3 Inhibits Influenza A Virus Replication by Blocking the Assembly of Viral RNA Polymerase Complex. Cell Reports, 2020, 33, 108342.	2.9	12
32	Genome Composition and Divergence of the Novel Coronavirus (2019-nCoV) Originating in China. Cell Host and Microbe, 2020, 27, 325-328.	5.1	1,860
33	Interleukin-8 as a Biomarker for Disease Prognosis of Coronavirus Disease-2019 Patients. Frontiers in Immunology, 2020, 11, 602395.	2.2	101
34	Delayed childhood neurodevelopment and neurosensory alterations in the second year of life in a prospective cohort of ZIKV-exposed children. Nature Medicine, 2019, 25, 1213-1217.	15.2	215
35	TCR Ligand Discovery via T-Scan. Trends in Immunology, 2019, 40, 1075-1077.	2.9	2
36	Cellular Signaling Analysis shows antiviral, ribavirin-mediated ribosomal signaling modulation. Antiviral Research, 2019, 171, 104598.	1.9	5

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37	Comprehensive Mutagenesis of Herpes Simplex Virus 1 Genome Identifies UL42 as an Inhibitor of Type I Interferon Induction. Journal of Virology, 2019, 93, .	1.5	8
38	Azithromycin Protects against Zika Virus Infection by Upregulating Virus-Induced Type I and III Interferon Responses. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	83
39	TLR3 Ligand PolyI:C Prevents Acute Pancreatitis Through the Interferon-Î²/Interferon-Î±/Î² Receptor Signaling Pathway in a Caerulein-Induced Pancreatitis Mouse Model. Frontiers in Immunology, 2019, 10, 980.	2.2	9
40	Inhibition of Influenza A Virus Replication by TRIM14 via Its Multifaceted Proteinâ€“Protein Interaction With NP. Frontiers in Microbiology, 2019, 10, 344.	1.5	39
41	Cytokine signatures associate with disease severity in children with Mycoplasma pneumoniae pneumonia. Scientific Reports, 2019, 9, 17853.	1.6	28
42	Type-I-IFN-Stimulated Gene TRIM5Î³ Inhibits HBV Replication by Promoting HBx Degradation. Cell Reports, 2019, 29, 3551-3563.e3.	2.9	45
43	Autophagy links antimicrobial activity with antigen presentation in Langerhans cells. JCI Insight, 2019, 4, .	2.3	17
44	IL-26 contributes to host defense against intracellular bacteria. Journal of Clinical Investigation, 2019, 129, 1926-1939.	3.9	42
45	The Aftermath of Surviving Acute Radiation Hematopoietic Syndrome and its Mitigation. Radiation Research, 2019, 191, 323.	0.7	17
46	Regulating Innate and Adaptive Immunity for Controlling SIV Infection by 25-Hydroxycholesterol. Frontiers in Immunology, 2018, 9, 2686.	2.2	23
47	Zika virus shedding in the stool and infection through the anorectal mucosa in mice. Emerging Microbes and Infections, 2018, 7, 1-10.	3.0	14
48	Rapid Determination of Saponins in the Honey-Fried Processing of Rhizoma Cimicifugae by Near Infrared Diffuse Reflectance Spectroscopy. Molecules, 2018, 23, 1617.	1.7	7
49	A TRAF3-NIK module differentially regulates DNA vs RNA pathways in innate immune signaling. Nature Communications, 2018, 9, 2770.	5.8	36
50	E90 subunit vaccine protects mice from Zika virus infection and microcephaly. Acta Neuropathologica Communications, 2018, 6, 77.	2.4	17
51	PARP12 suppresses Zika virus infection through PARP-dependent degradation of NS1 and NS3 viral proteins. Science Signaling, 2018, 11, .	1.6	86
52	Generation of a Live Attenuated Influenza Vaccine that Elicits Broad Protection in Mice and Ferrets. Cell Host and Microbe, 2017, 21, 334-343.	5.1	24
53	Structural and functional analyses of human DDX41 DEAD domain. Protein and Cell, 2017, 8, 72-76.	4.8	20
54	25-Hydroxycholesterol Protects Host against Zika Virus Infection and Its Associated Microcephaly in a Mouse Model. Immunity, 2017, 46, 446-456.	6.6	276

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55	Screening for Novel Small-Molecule Inhibitors Targeting the Assembly of Influenza Virus Polymerase Complex by a Bimolecular Luminescence Complementation-Based Reporter System. Journal of Virology, 2017, 91, .	1.5	12
56	Self-Organized Cerebral Organoids with Human-Specific Features Predict Effective Drugs to Combat Zika Virus Infection. Cell Reports, 2017, 21, 517-532.	2.9	305
57	Chloroquine, a FDA-approved Drug, Prevents Zika Virus Infection and its Associated Congenital Microcephaly in Mice. EBioMedicine, 2017, 24, 189-194.	2.7	144
58	9,19-Cycloartenol glycoside G3 from Cimicifuga simplex regulates immune responses by modulating Th17/Treg ratio. Bioorganic and Medicinal Chemistry, 2017, 25, 4917-4923.	1.4	13
59	Asian Zika virus strains target CD14+ blood monocytes and induce M2-skewed immunosuppression during pregnancy. Nature Microbiology, 2017, 2, 1558-1570.	5.9	135
60	4-(Nitrophenylsulfonyl)piperazines mitigate radiation damage to multiple tissues. PLoS ONE, 2017, 12, e0181577.	1.1	14
61	TRIM14 inhibits hepatitis C virus infection by SPRY domain-dependent targeted degradation of the viral NS5A protein. Scientific Reports, 2016, 6, 32336.	1.6	63
62	Complex Regulation Pattern of IRF3 Activation Revealed by a Novel Dimerization Reporter System. Journal of Immunology, 2016, 196, 4322-4330.	0.4	25
63	From Mosquitos to Humans: Genetic Evolution of Zika Virus. Cell Host and Microbe, 2016, 19, 561-565.	5.1	199
64	Isotetrandrine ameliorates tert-butyl hydroperoxide-induced oxidative stress through upregulation of heme oxygenase-1 expression. Experimental Biology and Medicine, 2016, 241, 1568-1576.	1.1	9
65	Nrf2-mediated liver protection by esculentoside A against acetaminophen toxicity through the AMPK/Akt/GSK3Î² pathway. Free Radical Biology and Medicine, 2016, 101, 401-412.	1.3	106
66	Structural basis for DNA recognition by STAT6. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13015-13020.	3.3	46
67	The Roles of Type I Interferon in Bacterial Infection. Cell Host and Microbe, 2016, 19, 760-769.	5.1	294
68	RAG-mediated DNA double-strand breaks activate a cell typeâ€“specific checkpoint to inhibit preâ€“B cell receptor signals. Journal of Experimental Medicine, 2016, 213, 209-223.	4.2	47
69	Functional Genomics Reveals Linkers Critical for Influenza Virus Polymerase. Journal of Virology, 2016, 90, 2938-2947.	1.5	12
70	New insights into the structural basis of DNA recognition by HINa and HINb domains of IFI16. Journal of Molecular Cell Biology, 2016, 8, 51-61.	1.5	48
71	Influenza Virus Affects Intestinal Microbiota and Secondary Salmonella Infection in the Gut through Type I Interferons. PLoS Pathogens, 2016, 12, e1005572.	2.1	213
72	Integrating computational modeling and functional assays to decipher the structure-function relationship of influenza virus PB1 protein. Scientific Reports, 2015, 4, 7192.	1.6	8

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73	Disruption of Type I Interferon Induction by HIV Infection of T Cells. PLoS ONE, 2015, 10, e0137951.	1.1	18
74	IL-27 Suppresses Antimicrobial Activity in Human Leprosy. Journal of Investigative Dermatology, 2015, 135, 2410-2417.	0.3	25
75	Network of co-mutations in Ebola virus genome predicts the disease lethality. Cell Research, 2015, 25, 753-756.	5.7	17
76	The hepatitis C virus protein NS3 suppresses TNF-Î±â€“stimulated activation of NF-ÎºB by targeting LUBAC. Science Signaling, 2015, 8, ra118.	1.6	37
77	Cryo-EM Structure of Influenza Virus RNA Polymerase Complex at 4.3ÂÃ... Resolution. Molecular Cell, 2015, 57, 925-935.	4.5	79
78	Positive feedback regulation of type I interferon by the interferonâ€stimulated gene <scp>STING</scp>. EMBO Reports, 2015, 16, 202-212.	2.0	109
79	Cultivation of a human-associated TM7 phylotype reveals a reduced genome and epibiotic parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 244-249.	3.3	405
80	Positive Feedback Regulation of Type I IFN Production by the IFN-Inducible DNA Sensor cGAS. Journal of Immunology, 2015, 194, 1545-1554.	0.4	141
81	The antioxidative potential of farrerol occurs via the activation of Nrf2 mediated HO-1 signaling in RAW 264.7 cells. Chemico-Biological Interactions, 2015, 239, 192-199.	1.7	34
82	New targets for controlling Ebola virus disease. National Science Review, 2015, 2, 266-267.	4.6	3
83	Radiation and Inflammation. Seminars in Radiation Oncology, 2015, 25, 4-10.	1.0	185
84	Retinoid X receptor Î± attenuates host antiviral response by suppressing type I interferon. Nature Communications, 2014, 5, 5494.	5.8	50
85	Structural analysis of asparaginyl endopeptidase reveals the activation mechanism and a reversible intermediate maturation stage. Cell Research, 2014, 24, 344-358.	5.7	86
86	Interferon-Inducible Cholesterol-25-Hydroxylase Inhibits Hepatitis C Virus Replication via Distinct Mechanisms. Scientific Reports, 2014, 4, 7242.	1.6	103
87	Interferon-Inducible Cholesterol-25-Hydroxylase Broadly Inhibits Viral Entry by Production of 25-Hydroxycholesterol. Immunity, 2013, 38, 92-105.	6.6	554
88	Systematic identification of type I and type II interferon-induced antiviral factors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4239-4244.	3.3	394
89	Poly I:C Enhances Susceptibility to Secondary Pulmonary Infections by Gram-Positive Bacteria. PLoS ONE, 2012, 7, e41879.	1.1	70
90	Mycobacterium tuberculosis detection via rolling circle amplification. Analytical Methods, 2011, 3, 267-273.	1.3	13

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91	Attenuation of Cellular Inflammation Using Glucocorticoid-Functionalized Copolymers. , 2007, , .		0
92	CD40 Signaling and Autoimmunity. , 2001, 5, 51-61.		12
93	Human T-cell leukemia virus type I tax protein induces the expression of anti-apoptotic gene Bcl-xL in human T-cells through nuclear factor-kappaB and c-AMP responsive element binding protein pathways. Virus Genes, 2001, 22, 279-287.	0.7	86
94	Upregulation of Bcl-x and Bfl-1 as a potential mechanism of chemoresistance, which can be overcome by NF-Î¹B inhibition. Oncogene, 2000, 19, 4936-4940.	2.6	96
95	Deregulated expression of the PU.1 transcription factor blocks murine erythroleukemia cell terminal differentiation. Oncogene, 1997, 14, 123-131.	2.6	91
96	Biological Impact of Type I Interferon Induction Pathways beyond Their Antivirus Activity. , 0, , 155-175.		0