Pei-Hui Wang

List of Publications by Year
in descending order

57 papers	4,091 citations	117571 34 h-index	138417 58 g-index
69 all docs	69 docs citations	69 times ranked	5330 citing authors

#	Article	IF	Citations
1	An antibody-based proximity labeling map reveals mechanisms of SARS-CoV-2 inhibition of antiviral immunity. Cell Chemical Biology, 2022, 29, 5-18.e6.	2.5	26
2	GP73 is a glucogenic hormone contributing to SARS-CoV-2-induced hyperglycemia. Nature Metabolism, 2022, 4, 29-43.	5.1	37
3	SARS-CoV-2 NSP5 and N protein counteract the RIG-I signaling pathway by suppressing the formation of stress granules. Signal Transduction and Targeted Therapy, 2022, 7, 22.	7.1	64
4	SARS-CoV-2 membrane protein causes the mitochondrial apoptosis and pulmonary edema via targeting BOK. Cell Death and Differentiation, 2022, 29, 1395-1408.	5.0	39
5	SARS-CoV-2 ORF3a induces RETREG1/FAM134B-dependent reticulophagy and triggers sequential ER stress and inflammatory responses during SARS-CoV-2 infection. Autophagy, 2022, 18, 2576-2592.	4.3	23
6	Inhibition of SARS-CoV-2 replication by zinc gluconate in combination with hinokitiol. Journal of Inorganic Biochemistry, 2022, 231, 111777.	1.5	10
7	An antibody-based proximity labeling protocol to identify biotinylated interactors of SARS-CoV-2. STAR Protocols, 2022, , 101406.	0.5	1
8	The Deubiquitinase USP29 Promotes SARS-CoV-2 Virulence by Preventing Proteasome Degradation of ORF9b. MBio, 2022, 13, .	1.8	15
9	SARSâ€CoVâ€2 ORF10 antagonizes STINGâ€dependent interferon activation and autophagy. Journal of Medical Virology, 2022, 94, 5174-5188.	2.5	45
10	ORF3a of the COVID-19 virus SARS-CoV-2 blocks HOPS complex-mediated assembly of the SNARE complex required for autolysosome formation. Developmental Cell, 2021, 56, 427-442.e5.	3.1	250
11	Therapeutic potential of C1632 by inhibition of SARS-CoV-2 replication and viral-induced inflammation through upregulating let-7. Signal Transduction and Targeted Therapy, 2021, 6, 84.	7.1	21
12	Potent Neutralization of SARS-CoV-2 by Hetero-Bivalent Alpaca Nanobodies Targeting the Spike Receptor-Binding Domain. Journal of Virology, 2021, 95, .	1.5	46
13	ORF8 contributes to cytokine storm during SARS-CoV-2 infection by activating IL-17 pathway. IScience, 2021, 24, 102293.	1.9	94
14	Generation of WAe001-A-58 human embryonic stem cell line with inducible expression of the SARS-CoV-2 nucleocapsid protein. Stem Cell Research, 2021, 53, 102197.	0.3	1
15	SARSâ€CoVâ€2 ORF9b antagonizes type I and III interferons by targeting multiple components of the RIGâ€I/MDAâ€5â€"MAVS, TLR3â€"TRIF, and cGASâ€"STING signaling pathways. Journal of Medical Virology, 2021, 93, 5376-5389.	2.5	153
16	Palmitoylation of SARS-CoV-2 S protein is essential for viral infectivity. Signal Transduction and Targeted Therapy, 2021, 6, 231.	7.1	53
17	SARS-CoV-2 NSP12 Protein Is Not an Interferon-Î² Antagonist. Journal of Virology, 2021, 95, e0074721.	1.5	25
18	Mechanical activation of spike fosters SARS-CoV-2 viral infection. Cell Research, 2021, 31, 1047-1060.	5.7	33

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19	SARS-CoV-2 Spike protein enhances ACE2 expression via facilitating Interferon effects in bronchial epithelium. Immunology Letters, 2021, 237, 33-41.	1.1	19
20	SARS-CoV-2 spike promotes inflammation and apoptosis through autophagy by ROS-suppressed PI3K/AKT/mTOR signaling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166260.	1.8	102
21	Allosteric inhibition of SARS-CoV-2 3CL protease by colloidal bismuth subcitrate. Chemical Science, 2021, 12, 14098-14102.	3.7	19
22	TREM-2 is a sensor and activator of T cell response in SARS-CoV-2 infection. Science Advances, 2021, 7, eabi6802.	4.7	25
23	Main protease of SARS-CoV-2 serves as a bifunctional molecule in restricting type I interferon antiviral signaling. Signal Transduction and Targeted Therapy, 2020, 5, 221.	7.1	75
24	A systemic and molecular study of subcellular localization of SARS-CoV-2 proteins. Signal Transduction and Targeted Therapy, 2020, 5, 269.	7.1	111
25	Clinical HDAC Inhibitors Are Effective Drugs to Prevent the Entry of SARS-CoV2. ACS Pharmacology and Translational Science, 2020, 3, 1361-1370.	2.5	25
26	SARS-CoV-2 Orf9b suppresses type I interferon responses by targeting TOM70. Cellular and Molecular Immunology, 2020, 17, 998-1000.	4.8	280
27	Liquidâ€"liquid phase separation by SARS-CoV-2 nucleocapsid protein and RNA. Cell Research, 2020, 30, 1143-1145.	5.7	125
28	Increasing host cellular receptorâ€"angiotensinâ€converting enzyme 2 expression by coronavirus may facilitate 2019â€nCoV (or SARSâ€CoVâ€2) infection. Journal of Medical Virology, 2020, 92, 2693-2701.	2.5	141
29	Longâ€term coexistence of SARSâ€CoVâ€2 with antibody response in COVIDâ€19 patients. Journal of Medical Virology, 2020, 92, 1684-1689.	2.5	82
30	Long-term coexistence of SARS-CoV-2 with antibody response in COVID-19 patients. , 2020, 92, 1684.		1
31	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) membrane (M) protein inhibits type I and III interferon production by targeting RIG-I/MDA-5 signaling. Signal Transduction and Targeted Therapy, 2020, 5, 299.	7.1	232
32	Nucleic Acid Sensing in Invertebrate Antiviral Immunity. International Review of Cell and Molecular Biology, 2019, 345, 287-360.	1.6	28
33	Inflammasome activation and Th17 responses. Molecular Immunology, 2019, 107, 142-164.	1.0	69
34	The Interplay Between Pattern Recognition Receptors and Autophagy in Inflammation. Advances in Experimental Medicine and Biology, 2019, 1209, 79-108.	0.8	39
35	A novel transcript isoform of STING that sequesters cGAMP and dominantly inhibits innate nucleic acid sensing. Nucleic Acids Research, 2018, 46, 4054-4071.	6.5	54
36	Inhibition of <scp>AIM</scp> 2 inflammasome activation by a novel transcript isoform of <scp>IFI</scp> 16. EMBO Reports, 2018, 19, .	2.0	63

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37	Selective Activation of Type II Interferon Signaling by Zika Virus NS5 Protein. Journal of Virology, 2017, 91, .	1.5	88
38	Suppression of Type I Interferon Production by Human T-Cell Leukemia Virus Type 1 Oncoprotein Tax through Inhibition of IRF3 Phosphorylation. Journal of Virology, 2016, 90, 3902-3912.	1.5	32
39	Nucleic acid-induced antiviral immunity in invertebrates: An evolutionary perspective. Developmental and Comparative Immunology, 2015, 48, 291-296.	1.0	42
40	Suppression of type I and type III IFN signalling by NSs protein of severe fever with thrombocytopenia syndrome virus through inhibition of STAT1 phosphorylation and activation. Journal of General Virology, 2015, 96, 3204-3211.	1.3	55
41	Litopenaeus vannamei NF-ÎºB is required for WSSV replication. Developmental and Comparative Immunology, 2014, 45, 156-162.	1.0	73
42	Antiviral defense in shrimp: From innate immunity to viral infection. Antiviral Research, 2014, 108, 129-141.	1.9	93
43	Litopenaeus vannamei Toll-interacting protein (LvTollip) is a potential negative regulator of the shrimp Toll pathway involved in the regulation of the shrimp antimicrobial peptide gene penaeidin-4 (PEN4). Developmental and Comparative Immunology, 2013, 40, 266-277.	1.0	35
44	Nucleic acid-induced antiviral immunity in shrimp. Antiviral Research, 2013, 99, 270-280.	1.9	38
45	The shrimp IKKâ€"NF-ÎºB signaling pathway regulates antimicrobial peptide expression and may be subverted by white spot syndrome virus to facilitate viral gene expression. Cellular and Molecular Immunology, 2013, 10, 423-436.	4.8	68
46	Litopenaeus vannamei Sterile-Alpha and Armadillo Motif Containing Protein (LvSARM) Is Involved in Regulation of Penaeidins and antilipopolysaccharide factors. PLoS ONE, 2013, 8, e52088.	1.1	21
47	Analysis of Expression, Cellular Localization, and Function of Three Inhibitors of Apoptosis (IAPs) from Litopenaeus vannamei during WSSV Infection and in Regulation of Antimicrobial Peptide Genes (AMPs). PLoS ONE, 2013, 8, e72592.	1.1	28
48	Characterization of Four Novel Caspases from Litopenaeus vannamei (Lvcaspase2-5) and Their Role in WSSV Infection through dsRNA-Mediated Gene Silencing. PLoS ONE, 2013, 8, e80418.	1.1	21
49	Molecular cloning, characterization and expression analysis of the tumor necrosis factor (TNF) superfamily gene, TNF receptor superfamily gene and lipopolysaccharide-induced TNF-Î± factor (LITAF) gene from Litopenaeus vannamei. Developmental and Comparative Immunology, 2012, 36, 39-50.	1.0	79
50	Molecular cloning, characterization and expression analysis of two novel Tolls (LvToll2 and LvToll3) and three putative SpÃ¤tzle-like Toll ligands (LvSpz1â€"3) from Litopenaeus vannamei. Developmental and Comparative Immunology, 2012, 36, 359-371.	1.0	206
51	Identification and Function of Myeloid Differentiation Factor 88 (MyD88) in Litopenaeus vannamei. PLoS ONE, 2012, 7, e47038.	1.1	73
52	Litopenaeus vannamei tumor necrosis factor receptor-associated factor 6 (TRAF6) responds to Vibrio alginolyticus and white spot syndrome virus (WSSV) infection and activates antimicrobial peptide genes. Developmental and Comparative Immunology, 2011, 35, 105-114.	1.0	111
53	The Shrimp NF-ÎºB Pathway Is Activated by White Spot Syndrome Virus (WSSV) 449 to Facilitate the Expression of WSSV069 (ie1), WSSV303 and WSSV371. PLoS ONE, 2011, 6, e24773.	1.1	78
54	Shrimp NF-ÎºB binds to the immediate-early gene ie1 promoter of white spot syndrome virus and upregulates its activity. Virology, 2010, 406, 176-180.	1.1	87

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55	Identification and functional study of a shrimp Dorsal homologue. Developmental and Comparative Immunology, 2010, 34, 107-113.	1.0	116
56	Identification and functional study of a shrimp Relish homologue. Fish and Shellfish Immunology, 2009, 27, 230-238.	1.6	118
57	An immune deficiency homolog from the white shrimp, Litopenaeus vannamei, activates antimicrobial peptide genes. Molecular Immunology, 2009, 46, 1897-1904.	1.0	108