

Pei-Hui Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/886765/publications.pdf>

Version: 2024-02-01

57
papers

4,091
citations

117453

34
h-index

138251

58
g-index

69
all docs

69
docs citations

69
times ranked

5330
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Orf9b suppresses type I interferon responses by targeting TOM70. Cellular and Molecular Immunology, 2020, 17, 998-1000.	4.8	280
2	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
3	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
4	Molecular cloning, characterization and expression analysis of two novel Tolls (LvToll2 and LvToll3) and three putative Spätzle-like Toll ligands (LvSpz1-3) from Litopenaeus vannamei. Developmental and Comparative Immunology, 2012, 36, 359-371.	1.0	206
5	SARS-CoV-2 ORF9b antagonizes type I and III interferons by targeting multiple components of the RIG-I/MDA-5, MAVS, TLR3, TRIF, and cGAS-STING signaling pathways. Journal of Medical Virology, 2021, 93, 5376-5389.	9.3	153
6	Increasing host cellular receptor angiotensin-converting enzyme 2 expression by coronavirus may facilitate 2019-nCoV (or SARS-CoV-2) infection. Journal of Medical Virology, 2020, 92, 2693-2701.	2.5	141
7	Liquid-liquid phase separation by SARS-CoV-2 nucleocapsid protein and RNA. Cell Research, 2020, 30, 1143-1145.	5.7	125
8	Identification and functional study of a shrimp Relish homologue. Fish and Shellfish Immunology, 2009, 27, 230-238.	1.6	118
9	Identification and functional study of a shrimp Dorsal homologue. Developmental and Comparative Immunology, 2010, 34, 107-113.	1.0	116
10	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
11	A systemic and molecular study of subcellular localization of SARS-CoV-2 proteins. Signal Transduction and Targeted Therapy, 2020, 5, 269.	7.1	111
12	An immune deficiency homolog from the white shrimp, Litopenaeus vannamei, activates antimicrobial peptide genes. Molecular Immunology, 2009, 46, 1897-1904.	1.0	108
13	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
14	ORF8 contributes to cytokine storm during SARS-CoV-2 infection by activating IL-17 pathway. IScience, 2021, 24, 102293.	1.9	94
15	Antiviral defense in shrimp: From innate immunity to viral infection. Antiviral Research, 2014, 108, 129-141.	1.9	93
16	Selective Activation of Type II Interferon Signaling by Zika Virus NS5 Protein. Journal of Virology, 2017, 91, .	1.5	88
17	Shrimp NF- κ B 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
18	Long-term coexistence of SARS-CoV-2 with antibody response in COVID-19 patients. Journal of Medical Virology, 2020, 92, 1684-1689.	2.5	82

#	ARTICLE	IF	CITATIONS
19	Molecular cloning, characterization and expression analysis of the tumor necrosis factor (TNF) superfamily gene, TNF receptor superfamily gene and lipopolysaccharide-induced TNF- α factor (LITAF) gene from <i>Litopenaeus vannamei</i> . <i>Developmental and Comparative Immunology</i> , 2012, 36, 39-50.	1.0	79
20	The Shrimp NF- κ B Pathway Is Activated by White Spot Syndrome Virus (WSSV) 449 to Facilitate the Expression of WSSV069 (ie1), WSSV303 and WSSV371. <i>PLoS ONE</i> , 2011, 6, e24773.	1.1	78
21	Main protease of SARS-CoV-2 serves as a bifunctional molecule in restricting type I interferon antiviral signaling. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 221.	7.1	75
22	Identification and Function of Myeloid Differentiation Factor 88 (MyD88) in <i>Litopenaeus vannamei</i> . <i>PLoS ONE</i> , 2012, 7, e47038.	1.1	73
23	<i>Litopenaeus vannamei</i> NF- κ B is required for WSSV replication. <i>Developmental and Comparative Immunology</i> , 2014, 45, 156-162.	1.0	73
24	Inflammasome activation and Th17 responses. <i>Molecular Immunology</i> , 2019, 107, 142-164.	1.0	69
25	The shrimp IKK α -NF- κ B signaling pathway regulates antimicrobial peptide expression and may be subverted by white spot syndrome virus to facilitate viral gene expression. <i>Cellular and Molecular Immunology</i> , 2013, 10, 423-436.	4.8	68
26	SARS-CoV-2 NSP5 and N protein counteract the RIG-I signaling pathway by suppressing the formation of stress granules. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 22.	7.1	64
27	Inhibition of AIM2 inflammasome activation by a novel transcript isoform of IFI16. <i>EMBO Reports</i> , 2018, 19, .	2.0	63
28	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. <i>Journal of General Virology</i> , 2015, 96, 3204-3211.	1.3	55
29	A novel transcript isoform of STING that sequesters cGAMP and dominantly inhibits innate nucleic acid sensing. <i>Nucleic Acids Research</i> , 2018, 46, 4054-4071.	6.5	54
30	Palmitoylation of SARS-CoV-2 S protein is essential for viral infectivity. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 231.	7.1	53
31	Potent Neutralization of SARS-CoV-2 by Hetero-Bivalent Alpaca Nanobodies Targeting the Spike Receptor-Binding Domain. <i>Journal of Virology</i> , 2021, 95, .	1.5	46
32	SARS-CoV-2 ORF10 antagonizes STING-dependent interferon activation and autophagy. <i>Journal of Medical Virology</i> , 2022, 94, 5174-5188.	2.5	45
33	Nucleic acid-induced antiviral immunity in invertebrates: An evolutionary perspective. <i>Developmental and Comparative Immunology</i> , 2015, 48, 291-296.	1.0	42
34	The Interplay Between Pattern Recognition Receptors and Autophagy in Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1209, 79-108.	0.8	39
35	SARS-CoV-2 membrane protein causes the mitochondrial apoptosis and pulmonary edema via targeting BOK. <i>Cell Death and Differentiation</i> , 2022, 29, 1395-1408.	5.0	39
36	Nucleic acid-induced antiviral immunity in shrimp. <i>Antiviral Research</i> , 2013, 99, 270-280.	1.9	38

#	ARTICLE	IF	CITATIONS
37	GP73 is a glucogenic hormone contributing to SARS-CoV-2-induced hyperglycemia. <i>Nature Metabolism</i> , 2022, 4, 29-43.	5.1	37
38	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). <i>Developmental and Comparative Immunology</i> , 2013, 40, 266-277.	1.0	35
39	Mechanical activation of spike fosters SARS-CoV-2 viral infection. <i>Cell Research</i> , 2021, 31, 1047-1060.	5.7	33
40	Suppression of Type I Interferon Production by Human T-Cell Leukemia Virus Type 1 Oncoprotein Tax through Inhibition of IRF3 Phosphorylation. <i>Journal of Virology</i> , 2016, 90, 3902-3912.	1.5	32
41	Analysis of Expression, Cellular Localization, and Function of Three Inhibitors of Apoptosis (IAPs) from <i>Litopenaeus vannamei</i> during WSSV Infection and in Regulation of Antimicrobial Peptide Genes (AMPs). <i>PLoS ONE</i> , 2013, 8, e72592.	1.1	28
42	Nucleic Acid Sensing in Invertebrate Antiviral Immunity. <i>International Review of Cell and Molecular Biology</i> , 2019, 345, 287-360.	1.6	28
43	An antibody-based proximity labeling map reveals mechanisms of SARS-CoV-2 inhibition of antiviral immunity. <i>Cell Chemical Biology</i> , 2022, 29, 5-18.e6.	2.5	26
44	Clinical HDAC Inhibitors Are Effective Drugs to Prevent the Entry of SARS-CoV2. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1361-1370.	2.5	25
45	SARS-CoV-2 NSP12 Protein Is Not an Interferon- β Antagonist. <i>Journal of Virology</i> , 2021, 95, e0074721.	1.5	25
46	TREM-2 is a sensor and activator of T cell response in SARS-CoV-2 infection. <i>Science Advances</i> , 2021, 7, eabi6802.	4.7	25
47	SARS-CoV-2 ORF3a induces RETREG1/FAM134B-dependent reticulophagy and triggers sequential ER stress and inflammatory responses during SARS-CoV-2 infection. <i>Autophagy</i> , 2022, 18, 2576-2592.	4.3	23
48	Litopenaeus vannamei Sterile-Alpha and Armadillo Motif Containing Protein (LvSARM) Is Involved in Regulation of Penaeidins and antilipopolysaccharide factors. <i>PLoS ONE</i> , 2013, 8, e52088.	1.1	21
49	Characterization of Four Novel Caspases from <i>Litopenaeus vannamei</i> (Lvcaspase2-5) and Their Role in WSSV Infection through dsRNA-Mediated Gene Silencing. <i>PLoS ONE</i> , 2013, 8, e80418.	1.1	21
50	Therapeutic potential of C1632 by inhibition of SARS-CoV-2 replication and viral-induced inflammation through upregulating let-7. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 84.	7.1	21
51	SARS-CoV-2 Spike protein enhances ACE2 expression via facilitating Interferon effects in bronchial epithelium. <i>Immunology Letters</i> , 2021, 237, 33-41.	1.1	19
52	Allosteric inhibition of SARS-CoV-2 3CL protease by colloidal bismuth subcitrate. <i>Chemical Science</i> , 2021, 12, 14098-14102.	3.7	19
53	The Deubiquitinase USP29 Promotes SARS-CoV-2 Virulence by Preventing Proteasome Degradation of ORF9b. <i>MBio</i> , 2022, 13, .	1.8	15
54	Inhibition of SARS-CoV-2 replication by zinc gluconate in combination with hinokitiol. <i>Journal of Inorganic Biochemistry</i> , 2022, 231, 111777.	1.5	10

#	ARTICLE	IF	CITATIONS
55	Generation of WAe001-A-58 human embryonic stem cell line with inducible expression of the SARS-CoV-2 nucleocapsid protein. <i>Stem Cell Research</i> , 2021, 53, 102197.	0.3	1
56	Long-term coexistence of SARS-CoV-2 with antibody response in COVID-19 patients. , 2020, 92, 1684.		1
57	An antibody-based proximity labeling protocol to identify biotinylated interactors of SARS-CoV-2. <i>STAR Protocols</i> , 2022, , 101406.	0.5	1