

# Hualin Wang

## List of Publications by Year in descending order

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101  
papers

2,741  
citations

218381

26  
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214527

47  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Taxonomy of the order Bunyvirales: update 2019. <i>Archives of Virology</i> , 2019, 164, 1949-1965.	0.9	285
2	The sequence of the <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus genome. <i>Journal of General Virology</i> , 2001, 82, 241-257.	1.3	200
3	Proteomics of the <i>Autographa californica</i> Nucleopolyhedrovirus Budded Virions. <i>Journal of Virology</i> , 2010, 84, 7233-7242.	1.5	150
4	Disruption of Type I Interferon Signaling by the Nonstructural Protein of Severe Fever with Thrombocytopenia Syndrome Virus via the Hijacking of STAT2 and STAT1 into Inclusion Bodies. <i>Journal of Virology</i> , 2015, 89, 4227-4236.	1.5	106
5	Viral suppression of innate immunity via spatial isolation of TBK1/IKK $\mu$ from mitochondrial antiviral platform. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 324-337.	1.5	92
6	Comparative Proteomics Reveal Fundamental Structural and Functional Differences between the Two Progeny Phenotypes of a Baculovirus. <i>Journal of Virology</i> , 2013, 87, 829-839.	1.5	87
7	A novel tick-borne phlebovirus, closely related to severe fever with thrombocytopenia syndrome virus and Heartland virus, is a potential pathogen. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-14.	3.0	78
8	Proteomics Analysis of <i>Helicoverpa armigera</i> Single Nucleocapsid Nucleopolyhedrovirus Identified Two New Occlusion-Derived Virus-Associated Proteins, HA44 and HA100. <i>Journal of Virology</i> , 2007, 81, 9377-9385.	1.5	77
9	SARS-CoV-2 nsp1: Bioinformatics, Potential Structural and Functional Features, and Implications for Drug/Vaccine Designs. <i>Frontiers in Microbiology</i> , 2020, 11, 587317.	1.5	60
10	Functional studies of per os infectivity factors of <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2008, 89, 2331-2338.	1.3	55
11	Migration, recombination, and reassortment are involved in the evolution of severe fever with thrombocytopenia syndrome bunyavirus. <i>Infection, Genetics and Evolution</i> , 2017, 47, 109-117.	1.0	54
12	Immune evasion of SARS-CoV-2 from interferon antiviral system. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4217-4225.	1.9	49
13	<i>Autographa californica</i> Multicapsid Nucleopolyhedrovirus Efficiently Infects Sf9 Cells and Transduces Mammalian Cells via Direct Fusion with the Plasma Membrane at Low pH. <i>Journal of Virology</i> , 2010, 84, 5351-5359.	1.5	48
14	Heartland virus NSs protein disrupts host defenses by blocking the TBK1 kinase-IRF3 transcription factor interaction and signaling required for interferon induction. <i>Journal of Biological Chemistry</i> , 2017, 292, 16722-16733.	1.6	46
15	Phylogenetic analysis revealed the central roles of two African countries in the evolution and worldwide spread of Zika virus. <i>Virologica Sinica</i> , 2016, 31, 118-130.	1.2	45
16	Function, oligomerization and N-linked glycosylation of the <i>Helicoverpa armigera</i> single nucleopolyhedrovirus envelope fusion protein. <i>Journal of General Virology</i> , 2006, 87, 839-846.	1.3	44
17	The nucleoprotein of severe fever with thrombocytopenia syndrome virus processes a stable hexameric ring to facilitate RNA encapsidation. <i>Protein and Cell</i> , 2013, 4, 445-455.	4.8	44
18	Zika Virus Baculovirus-Expressed Virus-Like Particles Induce Neutralizing Antibodies in Mice. <i>Virologica Sinica</i> , 2018, 33, 213-226.	1.2	43

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19	Construction and Rescue of a Functional Synthetic Baculovirus. <i>ACS Synthetic Biology</i> , 2017, 6, 1393-1402.	1.9	40
20	A RIG-I-like receptor directs antiviral responses to a bunyavirus and is antagonized by virus-induced blockade of TRIM25-mediated ubiquitination. <i>Journal of Biological Chemistry</i> , 2020, 295, 9691-9711.	1.6	39
21	The F-Like Protein Ac23 Enhances the Infectivity of the Budded Virus of <i>gp64</i> -Null <i>Autographa californica</i> Multinucleocapsid Nucleopolyhedrovirus Pseudotyped with Baculovirus Envelope Fusion Protein F. <i>Journal of Virology</i> , 2008, 82, 9800-9804.	1.5	38
22	Crystal Structure of the Core Region of Hantavirus Nucleocapsid Protein Reveals the Mechanism for Ribonucleoprotein Complex Formation. <i>Journal of Virology</i> , 2016, 90, 1048-1061.	1.5	35
23	Pathologic Studies of Fatal Encephalomyelitis in Children Caused by Enterovirus 71. <i>American Journal of Clinical Pathology</i> , 2016, 146, 95-106.	0.4	34
24	Open reading frame 132 of <i>Helicoverpa armigera</i> nucleopolyhedrovirus encodes a functional per os infectivity factor (PIF-2). <i>Journal of General Virology</i> , 2006, 87, 2563-2569.	1.3	32
25	Open reading frame 94 of <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus encodes a novel conserved occlusion-derived virion protein, ODV-EC43. <i>Journal of General Virology</i> , 2003, 84, 3021-3027.	1.3	31
26	Virus like particle-based vaccines against emerging infectious disease viruses. <i>Virologica Sinica</i> , 2016, 31, 279-287.	1.2	31
27	Single-Particle Tracking Reveals the Sequential Entry Process of the Bunyavirus Severe Fever with Thrombocytopenia Syndrome Virus. <i>Small</i> , 2019, 15, e1803788.	5.2	31
28	Heartland virus antagonizes type I and III interferon antiviral signaling by inhibiting phosphorylation and nuclear translocation of STAT2 and STAT1. <i>Journal of Biological Chemistry</i> , 2019, 294, 9503-9517.	1.6	30
29	Baculovirus <i>Per Os</i> Infectivity Factor Complex: Components and Assembly. <i>Journal of Virology</i> , 2019, 93, .	1.5	29
30	Reassortment and migration analysis of Crimean-Congo haemorrhagic fever virus. <i>Journal of General Virology</i> , 2013, 94, 2536-2548.	1.3	27
31	Unraveling the Entry Mechanism of Baculoviruses and Its Evolutionary Implications. <i>Journal of Virology</i> , 2014, 88, 2301-2311.	1.5	27
32	Interferon- $\beta$ -Directed Inhibition of a Novel High-Pathogenic Phlebovirus and Viral Antagonism of the Antiviral Signaling by Targeting STAT1. <i>Frontiers in Immunology</i> , 2019, 10, 1182.	2.2	26
33	Functional analysis of FP25K of <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2005, 86, 2439-2444.	1.3	25
34	Genomic and transcriptional analyses of novel parvoviruses identified from dead peafowl. <i>Virology</i> , 2020, 539, 80-91.	1.1	25
35	Quantitative Proteomic Analysis Reveals Unfolded-Protein Response Involved in Severe Fever with Thrombocytopenia Syndrome Virus Infection. <i>Journal of Virology</i> , 2019, 93, .	1.5	24
36	Genome Sequence and Analysis of <i>Buzura suppressaria</i> Nucleopolyhedrovirus: A Group II Alphabaculovirus. <i>PLoS ONE</i> , 2014, 9, e86450.	1.1	21

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37	Per os infectivity factors: a complicated and evolutionarily conserved entry machinery of baculovirus. <i>Science China Life Sciences</i> , 2017, 60, 806-815.	2.3	21
38	First case of laboratory-confirmed severe fever with thrombocytopenia syndrome disease revealed the risk of SFTSV infection in Xinjiang, China. <i>Emerging Microbes and Infections</i> , 2019, 8, 1122-1125.	3.0	21
39	Host restriction of emerging high-pathogenic bunyaviruses via MOV10 by targeting viral nucleoprotein and blocking ribonucleoprotein assembly. <i>PLoS Pathogens</i> , 2020, 16, e1009129.	2.1	21
40	Characterization and phylogenetic analysis of the chitinase gene from the <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus. <i>Virus Research</i> , 2004, 100, 179-189.	1.1	20
41	Open reading frame Bm21 of <i>Bombyx mori</i> nucleopolyhedrovirus is not essential for virus replication in vitro, but its deletion extends the median survival time of infected larvae. <i>Journal of General Virology</i> , 2008, 89, 922-930.	1.3	19
42	Crimean-Congo Hemorrhagic Fever Virus: Current Advances and Future Prospects of Antiviral Strategies. <i>Viruses</i> , 2021, 13, 1195.	1.5	19
43	The Host Specificities of Baculovirus per os Infectivity Factors. <i>PLoS ONE</i> , 2016, 11, e0159862.	1.1	19
44	The F protein of <i>Helicoverpa armigera</i> single nucleopolyhedrovirus can be substituted functionally with its homologue from <i>Spodoptera exigua</i> multiple nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2008, 89, 791-798.	1.3	18
45	Angiotensin-converting enzyme 2 (ACE2) from raccoon dog can serve as an efficient receptor for the spike protein of severe acute respiratory syndrome coronavirus. <i>Journal of General Virology</i> , 2009, 90, 2695-2703.	1.3	18
46	A novel glycoprotein D-specific monoclonal antibody neutralizes herpes simplex virus. <i>Antiviral Research</i> , 2017, 147, 131-141.	1.9	18
47	The Functional Oligomeric State of Tegument Protein GP41 Is Essential for Baculovirus Budded Virion and Occlusion-Derived Virion Assembly. <i>Journal of Virology</i> , 2018, 92, .	1.5	18
48	The roles of ebolavirus glycoproteins in viral pathogenesis. <i>Virologica Sinica</i> , 2017, 32, 3-15.	1.2	17
49	Viromes and surveys of RNA viruses in camel-derived ticks revealing transmission patterns of novel tick-borne viral pathogens in Kenya. <i>Emerging Microbes and Infections</i> , 2021, 10, 1975-1987.	3.0	17
50	The Complete Genome of a New Betabaculovirus from <i>Clostera anastomosis</i> . <i>PLoS ONE</i> , 2015, 10, e0132792.	1.1	15
51	Characterization of two monoclonal antibodies, 38F10 and 44D11, against the major envelope fusion protein of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Virologica Sinica</i> , 2016, 31, 490-499.	1.2	14
52	Interactome profiling reveals interaction of SARS-CoV-2 NSP13 with host factor STAT1 to suppress interferon signaling. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 760-762.	1.5	14
53	Evidence of Human Exposure to Tamdy Virus, Northwest China. <i>Emerging Infectious Diseases</i> , 2021, 27, 3166-3170.	2.0	14
54	Baculovirus ODV-E66 degrades larval peritrophic membrane to facilitate baculovirus oral infection. <i>Virology</i> , 2019, 537, 157-164.	1.1	13

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55	The Nonstructural Protein of Guertu Virus Disrupts Host Defenses by Blocking Antiviral Interferon Induction and Action. <i>ACS Infectious Diseases</i> , 2020, 6, 857-870.	1.8	13
56	Nucleotide sequence and transcriptional analysis of a putative basic DNA-binding protein of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Virus Genes</i> , 2001, 22, 113-120.	0.7	12
57	<i>Helicoverpa armigera</i> nucleopolyhedrovirus occlusion-derived virus-associated protein, HA100, affects oral infectivity in vivo but not virus replication in vitro. <i>Journal of General Virology</i> , 2011, 92, 1324-1331.	1.3	12
58	Three Conserved Regions in Baculovirus Sulphydryl Oxidase P33 Are Critical for Enzymatic Activity and Function. <i>Journal of Virology</i> , 2017, 91, .	1.5	12
59	The Major Hurdle for Effective Baculovirus Transduction into Mammalian Cells Is Passing Early Endosomes. <i>Journal of Virology</i> , 2019, 93, .	1.5	12
60	Genome Sequencing and Analysis of <i>Catopsilia pomona</i> nucleopolyhedrovirus: A Distinct Species in Group I Alphabaculovirus. <i>PLoS ONE</i> , 2016, 11, e0155134.	1.1	11
61	Resistant mutations and quasispecies complexity of hepatitis B virus during telbivudine treatment. <i>Journal of General Virology</i> , 2015, 96, 3302-3312.	1.3	11
62	The group I alphabaculovirus-specific protein, AC5, is a novel component of the occlusion body but is not associated with ODVs or the PIF complex. <i>Journal of General Virology</i> , 2018, 99, 585-595.	1.3	11
63	Glycoprotein E of the Japanese encephalitis virus forms virus-like particles and induces syncytia when expressed by a baculovirus. <i>Journal of General Virology</i> , 2015, 96, 1006-1014.	1.3	10
64	Combinatorial Minigenome Systems for Emerging Banyangviruses Reveal Viral Reassortment Potential and Importance of a Protruding Nucleotide in Genome "Panhandle" for Promoter Activity and Reassortment. <i>Frontiers in Microbiology</i> , 2020, 11, 599.	1.5	10
65	Novel SFTSV Phylogeny Reveals New Reassortment Events and Migration Routes. <i>Virologica Sinica</i> , 2021, 36, 300-310.	1.2	10
66	Genomic Sequencing and Analysis of <i>Suca jujuba</i> Nucleopolyhedrovirus. <i>PLoS ONE</i> , 2014, 9, e110023.	1.1	10
67	Deletion of a <i>Helicoverpa armigera</i> nucleopolyhedrovirus gene encoding a virion structural protein (ORF107) increases the budded virion titre and reduces in vivo infectivity. <i>Journal of General Virology</i> , 2007, 88, 3307-3316.	1.3	9
68	Mutational and functional analysis of N-linked glycosylation of envelope fusion protein F of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2016, 97, 988-999.	1.3	9
69	Animal Model of Severe Fever With Thrombocytopenia Syndrome Virus Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 797189.	1.5	9
70	Betabaculovirus F proteins showed different efficiencies when rescuing the infectivity of gp64-null <i>Autographa californica</i> nucleopolyhedrovirus. <i>Virology</i> , 2013, 436, 59-66.	1.1	8
71	Characterization of the viral fibroblast growth factor homolog of <i>Helicoverpa armigera</i> single nucleopolyhedrovirus. <i>Virologica Sinica</i> , 2016, 31, 240-248.	1.2	8
72	Improving Baculovirus Transduction of Mammalian Cells by Incorporation of Thogotovirus Glycoproteins. <i>Virologica Sinica</i> , 2019, 34, 454-466.	1.2	8

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73	Establishment of a Reverse Genetic System of Severe Fever with Thrombocytopenia Syndrome Virus Based on a C4 Strain. <i>Virologica Sinica</i> , 2021, 36, 958-967.	1.2	8
74	Recent Advances in Bunyavirus Reverse Genetics Research: Systems Development, Applications, and Future Perspectives. <i>Frontiers in Microbiology</i> , 2021, 12, 771934.	1.5	8
75	Incorporation of GP64 into <i>Helicoverpa armigera</i> nucleopolyhedrovirus enhances virus infectivity in vivo and in vitro. <i>Journal of General Virology</i> , 2012, 93, 2705-2711.	1.3	7
76	Host factor heat-shock protein 90 contributes to baculovirus budded virus morphogenesis via facilitating nuclear actin polymerization. <i>Virology</i> , 2019, 535, 200-209.	1.1	7
77	Systematic Analysis of 42 <i>Autographa Californica</i> Multiple Nucleopolyhedrovirus Genes Identifies An Additional Six Genes Involved in the Production of Infectious Budded Virus. <i>Virologica Sinica</i> , 2021, 36, 762-773.	1.2	7
78	The FP25K Acts as a Negative Factor for the Infectivity of AcMNPV Budded Virus. <i>PLoS ONE</i> , 2015, 10, e0128471.	1.1	6
79	Immunological detection of serum antibodies in pediatric medical workers exposed to varying levels of SARS-CoV-2. <i>Journal of Infection</i> , 2021, 82, 159-198.	1.7	6
80	Construction and Characterization of a Novel Bacmid AcBac-Syn Based on a Synthesized Baculovirus Genome. <i>Virologica Sinica</i> , 2021, 36, 1566-1574.	1.2	6
81	Genome analysis of a novel Group I alphabaculovirus obtained from <i>Oxyplax ochracea</i> . <i>PLoS ONE</i> , 2018, 13, e0192279.	1.1	6
82	Functional studies of per os infectivity factor 3 of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2012, 93, 374-382.	1.3	5
83	P33 of <i>Helicoverpa armigera</i> single nucleocapsid nucleopolyhedrovirus is a functional homolog of AcP33. <i>Virologica Sinica</i> , 2016, 31, 346-349.	1.2	5
84	Ebola virus mucin-like glycoprotein (Emuc) induces remarkable acute inflammation and tissue injury: evidence for Emuc pathogenicity in vivo. <i>Protein and Cell</i> , 2017, 9, 389-393.	4.8	5
85	Functional Characterization of the Group I Alphabaculovirus Specific Gene ac73. <i>Virologica Sinica</i> , 2019, 34, 701-711.	1.2	5
86	The cysteine-rich region of a baculovirus VP91 protein contributes to the morphogenesis of occlusion bodies. <i>Virology</i> , 2019, 535, 144-153.	1.1	5
87	<i>Per Os</i> Infectivity Factor 5 Identified as a Substrate of P33 in the Baculoviral Disulfide Bond Formation Pathway. <i>Journal of Virology</i> , 2020, 94, .	1.5	5
88	An in vitro recombination-based reverse genetic system for rapid mutagenesis of structural genes of the Japanese encephalitis virus. <i>Virologica Sinica</i> , 2015, 30, 354-362.	1.2	4
89	HearNPV Pseudotyped with PIF1, 2, and 3 from MabrNPV: Infectivity and Complex Stability. <i>Virologica Sinica</i> , 2018, 33, 187-196.	1.2	4
90	Establishment of Baculovirus-Expressed VLPs Induced Syncytial Formation Assay for Flavivirus Antiviral Screening. <i>Viruses</i> , 2018, 10, 365.	1.5	4

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91	Host AAA+ ATPase TER94 Plays Critical Roles in Building the Baculovirus Viral Replication Factory and Virion Morphogenesis. <i>Journal of Virology</i> , 2020, 94, .	1.5	4
92	Systematic analysis of nuclear localization of <i>Autographa californica</i> multiple nucleopolyhedrovirus proteins. <i>Journal of General Virology</i> , 2021, 102, .	1.3	4
93	Non-structural Proteins of Severe Fever With Thrombocytopenia Syndrome Virus Suppress RNA Synthesis in a Transcriptionally Active cDNA-Derived Viral RNA Synthesis System. <i>Frontiers in Microbiology</i> , 2021, 12, 709517.	1.5	4
94	Genome Characteristics of the <i>Cyclophragma Undans</i> Nucleopolyhedrovirus: A Distinct Species in Group I of Alphabaculovirus. <i>Virologica Sinica</i> , 2018, 33, 359-368.	1.2	3
95	Genome Analysis of a Novel Clade II.b Alphabaculovirus Obtained from <i>Artaxa digramma</i> . <i>Viruses</i> , 2019, 11, 925.	1.5	3
96	Identification, Isolation, and Characterization of an Ectromelia Virus New Strain from an Experimental Mouse. <i>Virologica Sinica</i> , 2021, 36, 155-158.	1.2	3
97	Identification and functional analysis of inter-subunit disulfide bonds of the F protein of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Journal of General Virology</i> , 2014, 95, 2820-2830.	1.3	2
98	Mitoâ€œdocking: A Novel In Vivo Method to Detect Proteinâ€œProtein Interactions. <i>Small Methods</i> , 2019, 3, 1900010.	4.6	2
99	Deltabaculoviruses encode a functional type I budded virus envelope fusion protein. <i>Journal of General Virology</i> , 2017, 98, 847-852.	1.3	2
100	Development of Multi-analyte Suspension Assay for Simultaneously Efficient Detection of Avian Influenza Virus A Subtypes. <i>Virologica Sinica</i> , 2018, 33, 111-115.	1.2	1
101	Bunyaviruses: Singleâ€œParticle Tracking Reveals the Sequential Entry Process of the Bunyavirus Severe Fever with Thrombocytopenia Syndrome Virus (Small 6/2019). <i>Small</i> , 2019, 15, 1970032.	5.2	1