

Yao-Wei Huang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A novel spike subunit 1-based enzyme-linked immunosorbent assay reveals widespread porcine torovirus infection in eastern China. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 598-608.	1.3	2
2	Review: A systematic review of virus-like particles of coronavirus: Assembly, generation, chimerism and their application in basic research and in the clinic. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 487-497.	3.6	5
3	Revisiting the Mongolian Gerbil Model for Hepatitis E Virus by Reverse Genetics. <i>Microbiology Spectrum</i> , 2022, 10, e0219321.	1.2	7
4	First evidence that an emerging mammalian alphacoronavirus is able to infect an avian species. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	17
5	Bile acids promote the caveolae-associated entry of swine acute diarrhea syndrome coronavirus in porcine intestinal enteroids. <i>PLoS Pathogens</i> , 2022, 18, e1010620.	2.1	14
6	Expression Profile and Localization of SARS-CoV-2 Nonstructural Replicase Proteins in Infected Cells. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	11
7	Development and Clinical Applications of a 5-Plex Real-Time RT-PCR for Swine Enteric Coronaviruses. <i>Viruses</i> , 2022, 14, 1536.	1.5	14
8	Development of Improved Mumps Vaccine Candidates by Mutating Viral mRNA Cap Methyltransferase Sites in the Large Polymerase Protein. <i>Virologica Sinica</i> , 2021, 36, 521-536.	1.2	3
9	Third update on possible animal sources for human COVID-19. <i>Xenotransplantation</i> , 2021, 28, e12671.	1.6	6
10	Lysosomal ion channels involved in cellular entry and uncoating of enveloped viruses: Implications for therapeutic strategies against SARS-CoV-2. <i>Cell Calcium</i> , 2021, 94, 102360.	1.1	26
11	The porcine deltacoronavirus accessory protein NS6 is expressed in vivo and incorporated into virions. <i>Virology</i> , 2021, 556, 1-8.	1.1	7
12	High-throughput sequencing of the porcine antibody repertoire with or without PEDV infection: A proof-of-concept study. <i>Journal of Virological Methods</i> , 2021, 292, 114125.	1.0	1
13	A Comparative Analysis of Coronavirus Nucleocapsid (N) Proteins Reveals the SARS-CoV N Protein Antagonizes IFN- β Production by Inducing Ubiquitination of RIG-I. <i>Frontiers in Immunology</i> , 2021, 12, 688758.	2.2	26
14	Expression of the human or porcine C-type lectins DC-SIGN/L-SIGN confers susceptibility to porcine epidemic diarrhea virus entry and infection in otherwise refractory cell lines. <i>Microbial Pathogenesis</i> , 2021, 157, 104956.	1.3	6
15	Roles of Two Major Domains of the Porcine Deltacoronavirus S1 Subunit in Receptor Binding and Neutralization. <i>Journal of Virology</i> , 2021, 95, e0111821.	1.5	38
16	PABPC4 Broadly Inhibits Coronavirus Replication by Degrading Nucleocapsid Protein through Selective Autophagy. <i>Microbiology Spectrum</i> , 2021, 9, e0090821.	1.2	26
17	Further information on possible animal sources for human COVID-19. <i>Xenotransplantation</i> , 2020, 27, e12651.	1.6	11
18	Stable Expression of a Hepatitis E Virus (HEV) RNA Replicon in Two Mammalian Cell Lines to Assess Mechanism of Innate Immunity and Antiviral Response. <i>Frontiers in Microbiology</i> , 2020, 11, 603699.	1.5	9

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19	Swine enteric alphacoronavirus (swine acute diarrhea syndrome coronavirus): An update three years after its discovery. <i>Virus Research</i> , 2020, 285, 198024.	1.1	73
20	Genomic Epidemiology, Evolution, and Transmission Dynamics of Porcine Deltacoronavirus. <i>Molecular Biology and Evolution</i> , 2020, 37, 2641-2654.	3.5	76
21	Update on possible animal sources for COVID-19 in humans. <i>Xenotransplantation</i> , 2020, 27, e12621.	1.6	12
22	Coronavirus disease 2019 (COVID-19) outbreak: Could pigs be vectors for human infections?. <i>Xenotransplantation</i> , 2020, 27, e12591.	1.6	33
23	SARS-CoV-2 is an appropriate name for the new coronavirus. <i>Lancet, The</i> , 2020, 395, 949-950.	6.3	264
24	Trypsin promotes porcine deltacoronavirus mediating cell-to-cell fusion in a cell type-dependent manner. <i>Emerging Microbes and Infections</i> , 2020, 9, 457-468.	3.0	27
25	Characterization of a novel bat-HKU2-like swine enteric alphacoronavirus (SeACoV) infection in cultured cells and development of a SeACoV infectious clone. <i>Virology</i> , 2019, 536, 110-118.	1.1	43
26	Broad Cross-Species Infection of Cultured Cells by Bat HKU2-Related Swine Acute Diarrhea Syndrome Coronavirus and Identification of Its Replication in Murine Dendritic Cells <i><i>In Vivo</i></i> Highlight Its Potential for Diverse Interspecies Transmission. <i>Journal of Virology</i> , 2019, 93, .	1.5	84
27	Specific recombinant proteins of porcine epidemic diarrhea virus are immunogenic, revealing their potential use as diagnostic markers. <i>Veterinary Microbiology</i> , 2019, 236, 108387.	0.8	8
28	Porcine Torovirus (PToV)â€™A Brief Review of Etiology, Diagnostic Assays and Current Epidemiology. <i>Frontiers in Veterinary Science</i> , 2019, 6, 120.	0.9	17
29	Characteristics of the Life Cycle of Porcine Deltacoronavirus (PDCoV) In Vitro: Replication Kinetics, Cellular Ultrastructure and Virion Morphology, and Evidence of Inducing Autophagy. <i>Viruses</i> , 2019, 11, 455.	1.5	40
30	Evidence for an unknown agent antigenically related to the hepatitis E virus in dairy cows in the United States. <i>Journal of Medical Virology</i> , 2019, 91, 677-686.	2.5	23
31	Aminopeptidase-N-independent entry of porcine epidemic diarrhea virus into Vero or porcine small intestine epithelial cells. <i>Virology</i> , 2018, 517, 16-23.	1.1	57
32	Porcine Deltacoronavirus Engages the Transmissible Gastroenteritis Virus Functional Receptor Porcine Aminopeptidase N for Infectious Cellular Entry. <i>Journal of Virology</i> , 2018, 92, .	1.5	86
33	Roles of the genomic sequence surrounding the stem-loop structure in the junction region including the 3' terminus of open reading frame 1 in hepatitis E virus replication. <i>Journal of Medical Virology</i> , 2018, 90, 1524-1531.	2.5	9
34	Enhancement of safety and immunogenicity of the Chinese Hu191 measles virus vaccine by alteration of the S-adenosylmethionine (SAM) binding site in the large polymerase protein. <i>Virology</i> , 2018, 518, 210-220.	1.1	15
35	Identification of a peptide derived from the heptad repeat 2 region of the porcine epidemic diarrhea virus (PEDV) spike glycoprotein that is capable of suppressing PEDV entry and inducing neutralizing antibodies. <i>Antiviral Research</i> , 2018, 150, 1-8.	1.9	24
36	Lck/Hck/Fgr-Mediated Tyrosine Phosphorylation Negatively Regulates TBK1 to Restrain Innate Antiviral Responses. <i>Cell Host and Microbe</i> , 2017, 21, 754-768.e5.	5.1	29

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37	Discovery of a novel swine enteric alphacoronavirus (SeACoV) in southern China. <i>Veterinary Microbiology</i> , 2017, 211, 15-21.	0.8	193
38	Genetic and pathogenic characterization of a novel reassortant mammalian orthoreovirus 3 (MRV3) from a diarrheic piglet and seroepidemiological survey of MRV3 in diarrheic pigs from east China. <i>Veterinary Microbiology</i> , 2017, 208, 126-136.	0.8	41
39	Efficient priming of CD4 ⁺ T cells by Langerin-expressing dendritic cells targeted with porcine epidemic diarrhea virus spike protein domains in pigs. <i>Virus Research</i> , 2017, 227, 212-219.	1.1	22
40	Prevalence of the Novel Torque Teno Sus Virus Species 2b from Pigs in the United States and Lack of Association with Post-Weaning Multisystemic Wasting Syndrome or Mulberry Heart Disease. <i>Transboundary and Emerging Diseases</i> , 2017, 64, 1877-1883.	1.3	14
41	Development and Application of an ELISA for the Detection of Porcine Deltacoronavirus IgG Antibodies. <i>PLoS ONE</i> , 2015, 10, e0124363.	1.1	48
42	Complete Genome Sequence of Porcine Deltacoronavirus Strain CH/Sichuan/S27/2012 from Mainland China. <i>Genome Announcements</i> , 2015, 3, .	0.8	51
43	Evidence of Recombinant Strains of Porcine Epidemic Diarrhea Virus, United States, 2013. <i>Emerging Infectious Diseases</i> , 2014, 20, 1731-1734.	2.0	85
44	High-Efficiency Broadband Meta-Hologram with Polarization-Controlled Dual Images. <i>Nano Letters</i> , 2014, 14, 225-230.	4.5	655
45	RNA transcripts of full-length cDNA clones of rabbit hepatitis E virus are infectious in rabbits. <i>Journal of General Virology</i> , 2014, , .	1.3	1
46	In vivo targeting of porcine reproductive and respiratory syndrome virus antigen through porcine DC-SIGN to dendritic cells elicits antigen-specific CD4T cell immunity in pigs. <i>Vaccine</i> , 2014, 32, 6768-6775.	1.7	21
47	Detection of antibodies against porcine epidemic diarrhea virus in serum and colostrum by indirect ELISA. <i>Veterinary Journal</i> , 2014, 202, 33-36.	0.6	76
48	Development and validation of a 4-plex antibody assay for simultaneous detection of IgG antibodies against Torque teno sus virus 1 (TTSuV1), TTSuV2, and porcine reproductive and respiratory syndrome virus types 1 and 2. <i>Research in Veterinary Science</i> , 2014, 96, 543-550.	0.9	6
49	Infectivity of a genotype 4 hepatitis E virus cDNA clone by intrahepatic inoculation of laboratory rats. <i>Veterinary Microbiology</i> , 2013, 166, 405-411.	0.8	9
50	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. <i>Optics Express</i> , 2013, 21, 618.	1.7	22
51	Origin, Evolution, and Genotyping of Emergent Porcine Epidemic Diarrhea Virus Strains in the United States. <i>MBio</i> , 2013, 4, e00737-13.	1.8	442
52	Attenuation of Porcine Reproductive and Respiratory Syndrome Virus by Molecular Breeding of Virus Envelope Genes from Genetically Divergent Strains. <i>Journal of Virology</i> , 2013, 87, 304-313.	1.5	34
53	Broadening the Heterologous Cross-Neutralizing Antibody Inducing Ability of Porcine Reproductive and Respiratory Syndrome Virus by Breeding the GP4 or M genes. <i>PLoS ONE</i> , 2013, 8, e66645.	1.1	24
54	Rescue of a Porcine Anellovirus (Torque Teno Sus Virus 2) from Cloned Genomic DNA in Pigs. <i>Journal of Virology</i> , 2012, 86, 6042-6054.	1.5	27

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55	Serological Profile of Torque Teno Sus Virus Species 1 (TTSuV1) in Pigs and Antigenic Relationships between Two TTSuV1 Genotypes (1a and 1b), between Two Species (TTSuV1 and -2), and between Porcine and Human Anelloviruses. <i>Journal of Virology</i> , 2012, 86, 10628-10639.	1.5	24
56	Rescue of a genotype 4 human hepatitis E virus from cloned cDNA and characterization of intergenotypic chimeric viruses in cultured human liver cells and in pigs. <i>Journal of General Virology</i> , 2012, 93, 2183-2194.	1.3	49
57	The PSAP Motif within the ORF3 Protein of an Avian Strain of the Hepatitis E Virus Is Not Critical for Viral Infectivity <i>in Vivo</i> but Plays a Role in Virus Release. <i>Journal of Virology</i> , 2012, 86, 5637-5646.	1.5	44
58	Fast Fabrication of a Ag Nanostructure Substrate Using the Femtosecond Laser for Broad-Band and Tunable Plasmonic Enhancement. <i>ACS Nano</i> , 2012, 6, 5190-5197.	7.3	67
59	DNA shuffling of the GP3 genes of porcine reproductive and respiratory syndrome virus (PRRSV) produces a chimeric virus with an improved cross-neutralizing ability against a heterologous PRRSV strain. <i>Virology</i> , 2012, 434, 96-109.	1.1	45
60	The prevalence of Torque teno sus virus (TTSuV) is common and increases with the age of growing pigs in the United States. <i>Journal of Virological Methods</i> , 2012, 183, 40-44.	1.0	38
61	Intergenotypic chimeric hepatitis E viruses (HEVs) with the genotype 4 human HEV capsid gene in the backbone of genotype 3 swine HEV are infectious in pigs. <i>Virus Research</i> , 2011, 156, 141-146.	1.1	40
62	Expression of the putative ORF1 capsid protein of Torque teno sus virus 2 (TTSuV2) and development of Western blot and ELISA serodiagnostic assays: Correlation between TTSuV2 viral load and IgG antibody level in pigs. <i>Virus Research</i> , 2011, 158, 79-88.	1.1	41
63	Prior infection of pigs with a genotype 3 swine hepatitis E virus (HEV) protects against subsequent challenges with homologous and heterologous genotypes 3 and 4 human HEV. <i>Virus Research</i> , 2011, 159, 17-22.	1.1	46
64	Establishment of a DNA-launched infectious clone for a highly pneumovirulent strain of type 2 porcine reproductive and respiratory syndrome virus: Identification and <i>in vitro</i> and <i>in vivo</i> characterization of a large spontaneous deletion in the nsp2 region. <i>Virus Research</i> , 2011, 160, 264-273.	1.1	50
65	An experimental live chimeric porcine circovirus 1-2a vaccine decreases porcine circovirus 2b viremia when administered intramuscularly or orally in a porcine circovirus 2b and porcine reproductive and respiratory syndrome virus dual-challenge model. <i>Microbiology and Immunology</i> , 2011, 55, 863-873.	0.7	11
66	Construction of an infectious cDNA clone of avian hepatitis E virus (avian HEV) recovered from a clinically healthy chicken in the United States and characterization of its pathogenicity in specific-pathogen-free chickens. <i>Veterinary Microbiology</i> , 2011, 147, 310-319.	0.8	21
67	Porcine reproductive and respiratory syndrome virus (PRRSV) influences infection dynamics of porcine circovirus type 2 (PCV2) subtypes PCV2a and PCV2b by prolonging PCV2 viremia and shedding. <i>Veterinary Microbiology</i> , 2011, 152, 235-246.	0.8	44
68	Mutational Analysis of the Hypervariable Region of Hepatitis E Virus Reveals Its Involvement in the Efficiency of Viral RNA Replication. <i>Journal of Virology</i> , 2011, 85, 10031-10040.	1.5	66
69	A Live-Attenuated Chimeric Porcine Circovirus Type 2 (PCV2) Vaccine Is Transmitted to Contact Pigs but Is Not Upregulated by Concurrent Infection with Porcine Parvovirus (PPV) and Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) and Is Efficacious in a PCV2b-PRRSV-PPV Challenge Model. <i>Vaccine Journal</i> , 2011, 18, 1261-1268.	3.2	31
70	Three Amino Acid Mutations (F51L, T59A, and S390L) in the Capsid Protein of the Hepatitis E Virus Collectively Contribute to Virus Attenuation. <i>Journal of Virology</i> , 2011, 85, 5338-5349.	1.5	26
71	Development of SYBR green-based real-time PCR and duplex nested PCR assays for quantitation and differential detection of species- or type-specific porcine Torque teno viruses. <i>Journal of Virological Methods</i> , 2010, 170, 140-146.	1.0	20
72	Multiple infection of porcine Torque teno virus in a single pig and characterization of the full-length genomic sequences of four U.S. prototype PTTV strains: Implication for genotyping of PTTV. <i>Virology</i> , 2010, 396, 289-297.	1.1	59

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73	The Nucleotides on the Stem-Loop RNA Structure in the Junction Region of the Hepatitis E Virus Genome Are Critical for Virus Replication. <i>Journal of Virology</i> , 2010, 84, 13040-13044.	1.5	63
74	Porcine Reproductive and Respiratory Syndrome Virus Infection at the Time of Porcine Circovirus Type 2 Vaccination Has No Impact on Vaccine Efficacy. <i>Vaccine Journal</i> , 2010, 17, 1940-1945.	3.2	14
75	Comparison of commercial and experimental porcine circovirus type 2 (PCV2) vaccines using a triple challenge with PCV2, porcine reproductive and respiratory syndrome virus (PRRSV), and porcine parvovirus (PPV). <i>Vaccine</i> , 2010, 28, 5960-5966.	1.7	55
76	Novel strategies and approaches to develop the next generation of vaccines against porcine reproductive and respiratory syndrome virus (PRRSV). <i>Virus Research</i> , 2010, 154, 141-149.	1.1	86
77	Deletions of the Hypervariable Region (HVR) in Open Reading Frame 1 of Hepatitis E Virus Do Not Abolish Virus Infectivity: Evidence for Attenuation of HVR Deletion Mutants In Vivo. <i>Journal of Virology</i> , 2009, 83, 384-395.	1.5	79
78	Porcine DC-SIGN: Molecular cloning, gene structure, tissue distribution and binding characteristics. <i>Developmental and Comparative Immunology</i> , 2009, 33, 464-480.	1.0	52
79	Identification and characterization of a porcine monocytic cell line supporting porcine reproductive and respiratory syndrome virus (PRRSV) replication and progeny virion production by using an improved DNA-launched PRRSV reverse genetics system. <i>Virus Research</i> , 2009, 145, 1-8.	1.1	16
80	Interferon-mediated enhancement of in vitro replication of porcine circovirus type 2 is influenced by an interferon-stimulated response element in the PCV2 genome. <i>Virus Research</i> , 2009, 145, 236-243.	1.1	36
81	Cross-species infection of specific pathogen-free pigs by a genotype 4 strain of human hepatitis E virus. <i>Journal of Medical Virology</i> , 2008, 80, 1379-1386.	2.5	95
82	Purification of the major envelop protein GP5 of porcine reproductive and respiratory syndrome virus (PRRSV) from native virions. <i>Journal of Virological Methods</i> , 2008, 147, 127-135.	1.0	12
83	Initiation at the Third In-Frame AUG Codon of Open Reading Frame 3 of the Hepatitis E Virus Is Essential for Viral Infectivity In Vivo. <i>Journal of Virology</i> , 2007, 81, 3018-3026.	1.5	140
84	Oral DNA vaccination with the polyprotein gene of infectious bursal disease virus (IBDV) delivered by attenuated <i>Salmonella</i> elicits protective immune responses in chickens. <i>Vaccine</i> , 2006, 24, 5919-5927.	1.7	32
85	Generation of VP5 deficient mutant of infectious bursal disease virus strain HZ2. <i>Science Bulletin</i> , 2006, 51, 1909-1912.	1.7	0
86	Capped RNA Transcripts of Full-Length cDNA Clones of Swine Hepatitis E Virus Are Replication Competent When Transfected into Huh7 Cells and Infectious When Intrahepatically Inoculated into Pigs. <i>Journal of Virology</i> , 2005, 79, 1552-1558.	1.5	70
87	Synthesis of Reassortant Infectious Bursal Disease Virus in Chickens Injected Directly with Infectious Clones from Different Virus Strains. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 192-198.	0.9	2
88	Synthesis of Reassortant Infectious Bursal Disease Virus in Chickens Injected Directly with Infectious Clones from Different Virus Strains. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 192-198.	0.9	1
89	Enhancement of the immunogenicity of DNA vaccine against infectious bursal disease virus by co-delivery with plasmid encoding chicken interleukin 2. <i>Virology</i> , 2004, 329, 89-100.	1.1	38
90	Plasmid DNA encoding antigens of infectious bursal disease viruses induce protective immune responses in chickens: factors influencing efficacy. <i>Virus Research</i> , 2003, 98, 63-74.	1.1	42

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91	Molecular Characteristics of Full-Length Genomic Segment A of Three Infectious Bursal Disease Viruses in China: Two Attenuated Strains and One Virulent Field Strain. <i>Avian Diseases</i> , 2001, 45, 862.	0.4	14
92	Amplification and Cloning by Long RT-PCR of Full-length Genome of Larger Segment of Chicken Infectious Bursal Disease Virus. <i>Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao Acta Biochimica Et Biophysica Sinica</i> , 2001, 33, 355-359.	0.1	0
93	Surface Display of Peptides Corresponding to the Heptad Repeat 2 Domain of the Feline Enteric Coronavirus Spike Protein on <i>Bacillus subtilis</i> Spores Elicits Protective Immune Responses Against Homologous Infection in a Feline Aminopeptidase-N-Transduced Mouse Model. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3