

# Hui-Ling Yen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8374836/publications.pdf>

Version: 2024-02-01

103  
papers

15,768  
citations

53794

45  
h-index

30922

102  
g-index

113  
all docs

113  
docs citations

113  
times ranked

25908  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Viral Load in Upper Respiratory Specimens of Infected Patients. <i>New England Journal of Medicine</i> , 2020, 382, 1177-1179.	27.0	4,195
2	Respiratory virus shedding in exhaled breath and efficacy of face masks. <i>Nature Medicine</i> , 2020, 26, 676-680.	30.7	1,753
3	Stability of SARS-CoV-2 in different environmental conditions. <i>Lancet Microbe</i> , The, 2020, 1, e10.	7.3	1,479
4	Pathogenesis and transmission of SARS-CoV-2 in golden hamsters. <i>Nature</i> , 2020, 583, 834-838.	27.8	1,185
5	Remdesivir, lopinavir, emetine, and homoharringtonine inhibit SARS-CoV-2 replication in vitro. <i>Antiviral Research</i> , 2020, 178, 104786.	4.1	737
6	The polymerase complex genes contribute to the high virulence of the human H5N1 influenza virus isolate A/Vietnam/1203/04. <i>Journal of Experimental Medicine</i> , 2006, 203, 689-697.	8.5	316
7	Lethality to Ferrets of H5N1 Influenza Viruses Isolated from Humans and Poultry in 2004. <i>Journal of Virology</i> , 2005, 79, 2191-2198.	3.4	315
8	Association between adverse clinical outcome in human disease caused by novel influenza A H7N9 virus and sustained viral shedding and emergence of antiviral resistance. <i>Lancet</i> , The, 2013, 381, 2273-2279.	13.7	308
9	Influenza Viruses Resistant to the Antiviral Drug Oseltamivir: Transmission Studies in Ferrets. <i>Journal of Infectious Diseases</i> , 2004, 190, 1627-1630.	4.0	275
10	Short-range airborne route dominates exposure of respiratory infection during close contact. <i>Building and Environment</i> , 2020, 176, 106859.	6.9	256
11	Neuraminidase Inhibitor-Resistant Influenza Viruses May Differ Substantially in Fitness and Transmissibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4075-4084.	3.2	226
12	Hemagglutinin- $\alpha$ -neuraminidase balance confers respiratory-droplet transmissibility of the pandemic H1N1 influenza virus in ferrets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14264-14269.	7.1	197
13	Molecular Changes in the Polymerase Genes (PA and PB1) Associated with High Pathogenicity of H5N1 Influenza Virus in Mallard Ducks. <i>Journal of Virology</i> , 2007, 81, 8515-8524.	3.4	178
14	De novo design of potent and resilient hACE2 decoys to neutralize SARS-CoV-2. <i>Science</i> , 2020, 370, 1208-1214.	12.6	172
15	Importance of Neuraminidase Active-Site Residues to the Neuraminidase Inhibitor Resistance of Influenza Viruses. <i>Journal of Virology</i> , 2006, 80, 8787-8795.	3.4	169
16	Virulence May Determine the Necessary Duration and Dosage of Oseltamivir Treatment for Highly Pathogenic A/Vietnam/1203/04 Influenza Virus in Mice. <i>Journal of Infectious Diseases</i> , 2005, 192, 665-672.	4.0	160
17	Neuraminidase Inhibitor-Resistant Recombinant A/Vietnam/1203/04 (H5N1) Influenza Viruses Retain Their Replication Efficiency and Pathogenicity In Vitro and In Vivo. <i>Journal of Virology</i> , 2007, 81, 12418-12426.	3.4	155
18	Host response to influenza virus: protection versus immunopathology. <i>Current Opinion in Immunology</i> , 2010, 22, 475-481.	5.5	144

#	ARTICLE	IF	CITATIONS
19	Transmission of SARS-CoV-2 delta variant (AY.127) from pet hamsters to humans, leading to onward human-to-human transmission: a case study. <i>Lancet, The</i> , 2022, 399, 1070-1078.	13.7	140
20	Inefficient Transmission of H5N1 Influenza Viruses in a Ferret Contact Model. <i>Journal of Virology</i> , 2007, 81, 6890-6898.	3.4	138
21	The pH of Activation of the Hemagglutinin Protein Regulates H5N1 Influenza Virus Pathogenicity and Transmissibility in Ducks. <i>Journal of Virology</i> , 2010, 84, 1527-1535.	3.4	124
22	Toilets dominate environmental detection of severe acute respiratory syndrome coronavirus 2 in a hospital. <i>Science of the Total Environment</i> , 2021, 753, 141710.	8.0	114
23	Detection and Control of Influenza Outbreaks in Well-Vaccinated Nursing Home Populations. <i>Clinical Infectious Diseases</i> , 2004, 39, 459-464.	5.8	110
24	Pandemic Influenza as a Current Threat. <i>Current Topics in Microbiology and Immunology</i> , 2009, 333, 3-24.	1.1	106
25	Evaluation of a SARS-CoV-2 Surrogate Virus Neutralization Test for Detection of Antibody in Human, Canine, Cat, and Hamster Sera. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	102
26	Targeting the host or the virus: Current and novel concepts for antiviral approaches against influenza virus infection. <i>Antiviral Research</i> , 2012, 96, 391-404.	4.1	97
27	Mini viral RNAs act as innate immune agonists during influenza virus infection. <i>Nature Microbiology</i> , 2018, 3, 1234-1242.	13.3	96
28	Amino Acid Residues in the Fusion Peptide Pocket Regulate the pH of Activation of the H5N1 Influenza Virus Hemagglutinin Protein. <i>Journal of Virology</i> , 2009, 83, 3568-3580.	3.4	94
29	Generation and characterization of influenza A viruses with altered polymerase fidelity. <i>Nature Communications</i> , 2014, 5, 4794.	12.8	94
30	Changes in H5N1 influenza virus hemagglutinin receptor binding domain affect systemic spread. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 286-291.	7.1	93
31	Global update on the susceptibilities of human influenza viruses to neuraminidase inhibitors and the cap-dependent endonuclease inhibitor baloxavir, 2017-2018. <i>Antiviral Research</i> , 2020, 175, 104718.	4.1	91
32	Resistance to Neuraminidase Inhibitors Conferred by an R292K Mutation in a Human Influenza Virus H7N9 Isolate Can Be Masked by a Mixed R/K Viral Population. <i>MBio</i> , 2013, 4, .	4.1	90
33	Cross-Protection and Immunogenicity of Influenza A/Duck/Singapore/3/97(H5) Vaccines against Infection with A/Vietnam/1203/04(H5N1) Virus in Ferrets. <i>Journal of Infectious Diseases</i> , 2006, 194, 1040-1043.	4.0	86
34	Glycomic Characterization of Respiratory Tract Tissues of Ferrets. <i>Journal of Biological Chemistry</i> , 2014, 289, 28489-28504.	3.4	82
35	Influenza A Virus Expresses High Levels of an Unusual Class of Small Viral Leader RNAs in Infected Cells. <i>MBio</i> , 2010, 1, .	4.1	80
36	Close contact behavior in indoor environment and transmission of respiratory infection. <i>Indoor Air</i> , 2020, 30, 645-661.	4.3	74

#	ARTICLE	IF	CITATIONS
37	Multi-route transmission potential of SARS-CoV-2 in healthcare facilities. <i>Journal of Hazardous Materials</i> , 2021, 402, 123771.	12.4	72
38	Defining the sizes of airborne particles that mediate influenza transmission in ferrets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2386-E2392.	7.1	71
39	A broadly neutralizing human monoclonal antibody is effective against H7N9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10890-10895.	7.1	67
40	Amino Acid Residues 253 and 591 of the PB2 Protein of Avian Influenza Virus A H9N2 Contribute to Mammalian Pathogenesis. <i>Journal of Virology</i> , 2011, 85, 9641-9645.	3.4	65
41	Influenza H5/H7 Virus Vaccination in Poultry and Reduction of Zoonotic Infections, Guangdong Province, China, 2017–18. <i>Emerging Infectious Diseases</i> , 2019, 25, 116-118.	4.3	61
42	A novel H1N1 virus causes the first pandemic of the 21 <sup>st</sup> century. <i>European Journal of Immunology</i> , 2009, 39, 2946-2954.	2.9	59
43	Ferrets as Models for Influenza Virus Transmission Studies and Pandemic Risk Assessments. <i>Emerging Infectious Diseases</i> , 2018, 24, 965-971.	4.3	56
44	Mx1 Gene Protects Mice Against the Highly Lethal Human H5N1 Influenza Virus. <i>Cell Cycle</i> , 2007, 6, 2417-2421.	2.6	54
45	Isolation of H5N6, H7N9 and H9N2 avian influenza A viruses from air sampled at live poultry markets in China, 2014 and 2015. <i>Eurosurveillance</i> , 2016, 21, .	7.0	54
46	Different genetic barriers for resistance to HA stem antibodies in influenza H3 and H1 viruses. <i>Science</i> , 2020, 368, 1335-1340.	12.6	51
47	Quantification of Influenza Virus RNA in Aerosols in Patient Rooms. <i>PLoS ONE</i> , 2016, 11, e0148669.	2.5	51
48	Higher polymerase activity of a human influenza virus enhances activation of the hemagglutinin-induced Raf/MEK/ERK signal cascade. <i>Virology Journal</i> , 2007, 4, 134.	3.4	46
49	Current and novel antiviral strategies for influenza infection. <i>Current Opinion in Virology</i> , 2016, 18, 126-134.	5.4	46
50	Global update on the susceptibilities of human influenza viruses to neuraminidase inhibitors and the cap-dependent endonuclease inhibitor baloxavir, 2018–2020. <i>Antiviral Research</i> , 2022, 200, 105281.	4.1	44
51	Influenza (H5N1) Viruses in Poultry, Russian Federation, 2005–2006. <i>Emerging Infectious Diseases</i> , 2007, 13, 539-546.	4.3	43
52	CLEC5A-Mediated Enhancement of the Inflammatory Response in Myeloid Cells Contributes to Influenza Virus Pathogenicity <i>In Vivo</i> . <i>Journal of Virology</i> , 2017, 91, .	3.4	41
53	Sample Size Considerations for One-to-One Animal Transmission Studies of the Influenza A Viruses. <i>PLoS ONE</i> , 2013, 8, e55358.	2.5	36
54	Tissue Tropism of Swine Influenza Viruses and Reassortants in <i>Ex Vivo</i> Cultures of the Human Respiratory Tract and Conjunctiva. <i>Journal of Virology</i> , 2011, 85, 11581-11587.	3.4	35

#	ARTICLE	IF	CITATIONS
55	Comparable Fitness and Transmissibility between Oseltamivir-Resistant Pandemic 2009 and Seasonal H1N1 Influenza Viruses with the H275Y Neuraminidase Mutation. <i>Journal of Virology</i> , 2012, 86, 10558-10570.	3.4	33
56	1â€²-Ribose cyano substitution allows Remdesivir to effectively inhibit nucleotide addition and proofreading during SARS-CoV-2 viral RNA replication. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5852-5863.	2.8	33
57	Drug susceptibility profile and pathogenicity of H7N9 influenza virus (Anhui1 lineage) with R292K substitution. <i>Emerging Microbes and Infections</i> , 2014, 3, 1-9.	6.5	32
58	Predominant airborne transmission and insignificant fomite transmission of SARS-CoV-2 in a two-bus COVID-19 outbreak originating from the same pre-symptomatic index case. <i>Journal of Hazardous Materials</i> , 2022, 425, 128051.	12.4	30
59	The R292K Mutation That Confers Resistance to Neuraminidase Inhibitors Leads to Competitive Fitness Loss of A/Shanghai/1/2013 (H7N9) Influenza Virus in Ferrets. <i>Journal of Infectious Diseases</i> , 2014, 210, 1900-1908.	4.0	27
60	Tropism and innate host responses of influenza A/H5N6 virus: an analysis of <i>ex vivo</i> and <i>in vitro</i> cultures of the human respiratory tract. <i>European Respiratory Journal</i> , 2017, 49, 1601710.	6.7	27
61	Rapid Detection of Reassortment of Pandemic H1N1/2009 Influenza Virus. <i>Clinical Chemistry</i> , 2010, 56, 1340-1344.	3.2	26
62	Transmission of H7N9 Influenza Viruses with a Polymorphism at PB2 Residue 627 in Chickens and Ferrets. <i>Journal of Virology</i> , 2015, 89, 9939-9951.	3.4	26
63	Reducing Influenza Virus Transmission: The Potential Value of Antiviral Treatment. <i>Clinical Infectious Diseases</i> , 2022, 74, 532-540.	5.8	25
64	Isolation of Highly Pathogenic Avian Influenza H5N1 Virus from Saker Falcons ( <i>Falco cherrug</i> ) in the Middle East. <i>Advances in Virology</i> , 2009, 2009, 1-7.	1.1	21
65	Detection of highly pathogenic influenza and pandemic influenza virus in formalin fixed tissues by immunohistochemical methods. <i>Journal of Virological Methods</i> , 2012, 179, 409-413.	2.1	20
66	Investigation of the binding and cleavage characteristics of <i>NS</i> 1 neuraminidases from avian, seasonal, and pandemic influenza viruses using saturation transfer difference nuclear magnetic resonance. <i>Influenza and Other Respiratory Viruses</i> , 2014, 8, 235-242.	3.4	20
67	Assessing the risk of downwind spread of avian influenza virus via airborne particles from an urban wholesale poultry market. <i>Building and Environment</i> , 2018, 127, 120-126.	6.9	19
68	Targeting host calpain proteases decreases influenza A virus infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L689-L699.	2.9	17
69	Comparative mutational analyses of influenza A viruses. <i>Rna</i> , 2015, 21, 36-47.	3.5	16
70	Reduced Pathogenicity and Transmission Potential of Omicron BA.1 and BA.2 Sublineages Compared with the Early Severe Acute Respiratory Syndrome Coronavirus 2 D614G Variant in Syrian Hamsters. <i>Journal of Infectious Diseases</i> , 2023, 227, 1143-1152.	4.0	16
71	Detection of Influenza and Other Respiratory Viruses in Air Sampled From a University Campus: A Longitudinal Study. <i>Clinical Infectious Diseases</i> , 2019, 70, 850-858.	5.8	15
72	Avian Influenza Virus Detection Rates in Poultry and Environment at Live Poultry Markets, Guangdong, China. <i>Emerging Infectious Diseases</i> , 2020, 26, 591-595.	4.3	15

#	ARTICLE	IF	CITATIONS
73	Lack of cross-transmission of SARS-CoV-2 between passenger's cabins on the Diamond Princess cruise ship. <i>Building and Environment</i> , 2021, 198, 107839.	6.9	14
74	Seasonality of avian influenza A(H7N9) activity and risk of human A(H7N9) infections from live poultry markets. <i>Journal of Infection</i> , 2015, 71, 690-693.	3.3	13
75	Neutralizing Monoclonal Antibodies That Target the Spike Receptor Binding Domain Confer Fc Receptor-Independent Protection against SARS-CoV-2 Infection in Syrian Hamsters. <i>MBio</i> , 2021, 12, e0239521.	4.1	13
76	The role of the N-terminal caspase cleavage site in the nucleoprotein of influenza A virus in vitro and in vivo. <i>Archives of Virology</i> , 2008, 153, 427-434.	2.1	12
77	Bird flu in mammals. <i>Nature</i> , 2012, 486, 332-333.	27.8	12
78	Numerical modeling of particle deposition in ferret airways: A comparison with humans. <i>Aerosol Science and Technology</i> , 2017, 51, 477-487.	3.1	12
79	Genetic analysis of H7N9 highly pathogenic avian influenza virus in Guangdong, China, 2016â€“2017. <i>Journal of Infection</i> , 2018, 76, 93-96.	3.3	12
80	Robustness of the Ferret Model for Influenza Risk Assessment Studies: a Cross-Laboratory Exercise. <i>MBio</i> , 2022, 13, .	4.1	12
81	Mapping Antibody Epitopes of the Avian H5N1 Influenza Virus. <i>PLoS Medicine</i> , 2009, 6, e1000064.	8.4	11
82	CK2beta gene silencing increases cell susceptibility to influenza A virus infection resulting in accelerated virus entry and higher viral protein content. <i>Journal of Molecular Signaling</i> , 2008, 3, 13.	0.5	9
83	Serum anti-neuraminidase antibody responses in human influenza A(H1N1)pdm09 virus infections. <i>Emerging Microbes and Infections</i> , 2019, 8, 404-412.	6.5	9
84	A(H1N1)pdm09 Influenza Viruses Replicating in Ferret Upper or Lower Respiratory Tract Differed in Onward Transmission Potential by Air. <i>Journal of Infectious Diseases</i> , 2022, 225, 65-74.	4.0	9
85	Deposition of bronchiole-originated droplets in the lower airways during exhalation. <i>Journal of Aerosol Science</i> , 2020, 142, 105524.	3.8	8
86	Phenotypic and Functional Characteristics of a Novel Influenza Virus Hemagglutinin-Specific Memory NK Cell. <i>Journal of Virology</i> , 2021, 95, .	3.4	8
87	Ancestral sequence reconstruction pinpoints adaptations that enable avian influenza virus transmission in pigs. <i>Nature Microbiology</i> , 2021, 6, 1455-1465.	13.3	7
88	Monitoring Avian Influenza Viruses from Chicken Carcasses Sold at Markets, China, 2016. <i>Emerging Infectious Diseases</i> , 2017, 23, 1714-1717.	4.3	6
89	Seroprevalence of dogs in Hong Kong to human and canine influenza viruses. <i>Veterinary Record Open</i> , 2019, 6, e000327.	1.0	6
90	Limited onward transmission potential of reassortment genotypes from chickens co-infected with H9N2 and H7N9 avian influenza viruses. <i>Emerging Microbes and Infections</i> , 2021, 10, 2030-2041.	6.5	6

#	ARTICLE	IF	CITATIONS
91	Determining Existing Human Population Immunity as Part of Assessing Influenza Pandemic Risk. Emerging Infectious Diseases, 2022, 28, 977-985.	4.3	6
92	H5N1 in Asia. Monographs in Virology, 2008, , 11-26.	0.6	5
93	Oral and Poster Manuscripts. Influenza and Other Respiratory Viruses, 2011, 5, 54-442.	3.4	5
94	Transmissibility of pandemic H1N1 and genetically related swine influenza viruses in ferrets. Influenza and Other Respiratory Viruses, 2011, 5, 85-7.	3.4	5
95	Conservation of T cell epitopes between seasonal influenza viruses and the novel influenza A H7N9 virus. Virologica Sinica, 2014, 29, 170-175.	3.0	4
96	Cellular tropism of SARS-CoV-2 in the respiratory tract of Syrian hamsters and B6.Cg-Tg(K18-ACE2)2PrImn/J transgenic mice. Veterinary Pathology, 2022, 59, 639-647.	1.7	4
97	Evidence-Based Options for Controlling Respiratory Virus Transmission. Emerging Infectious Diseases, 2017, 23, .	4.3	4
98	Influenza surveillance in poultry market and its inter-species transmission in Taiwan. International Congress Series, 2001, 1219, 201-211.	0.2	3
99	A novel partial lid for mechanical defeatherers reduced aerosol dispersion during processing of avian influenza virus infected poultry. PLoS ONE, 2019, 14, e0216478.	2.5	3
100	Influenza pandemic plan: integrated wild bird/domestic avian/swine/human flu surveillance systems in Taiwan. International Congress Series, 2004, 1263, 407-412.	0.2	2
101	Transmission and Pathogenicity of H5N1 Influenza Viruses. Novartis Foundation Symposium, 0, , 128-140.	1.1	2
102	Resistance to Influenza Neuraminidase Inhibitors. , 2017, , 491-501.		1
103	Influenza H5/H7 Virus Vaccination in Poultry and Reduction of Zoonotic Infections, Guangdong Province, China, 2017-2018. Emerging Infectious Diseases, 2019, 25, .	4.3	0