

Helen Y Chu

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

9,477
citations

117453

34
h-index

53109

85
g-index

117
all docs

117
docs citations

117
times ranked

15523
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive mapping of mutations in the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human plasma antibodies. <i>Cell Host and Microbe</i> , 2021, 29, 463-476.e6.	5.1	1,054
2	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> , 2022, 602, 664-670.	13.7	917
3	Sequelae in Adults at 6 Months After COVID-19 Infection. <i>JAMA Network Open</i> , 2021, 4, e210830.	2.8	663
4	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. <i>Viruses</i> , 2020, 12, 513.	1.5	641
5	Multiple early factors anticipate post-acute COVID-19 sequelae. <i>Cell</i> , 2022, 185, 881-895.e20.	13.5	605
6	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. <i>Science</i> , 2020, 370, .	6.0	511
7	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. <i>Cell</i> , 2020, 183, 1367-1382.e17.	13.5	420
8	Analysis of a SARS-CoV-2-Infected Individual Reveals Development of Potent Neutralizing Antibodies with Limited Somatic Mutation. <i>Immunity</i> , 2020, 53, 98-105.e5.	6.6	376
9	Distinct Early Serological Signatures Track with SARS-CoV-2 Survival. <i>Immunity</i> , 2020, 53, 524-532.e4.	6.6	334
10	Molecular basis of immune evasion by the Delta and Kappa SARS-CoV-2 variants. <i>Science</i> , 2021, 374, 1621-1626.	6.0	232
11	Global Disease Burden Estimates of Respiratory Syncytial Virus-Associated Acute Respiratory Infection in Older Adults in 2015: A Systematic Review and Meta-Analysis. <i>Journal of Infectious Diseases</i> , 2020, 222, S577-S583.	1.9	231
12	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , 2021, 223, 197-205.	1.9	216
13	Antibodies elicited by mRNA-1273 vaccination bind more broadly to the receptor binding domain than do those from SARS-CoV-2 infection. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	198
14	Year-round influenza immunisation during pregnancy in Nepal: a phase 4, randomised, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 981-989.	4.6	185
15	SARS-CoV-2 breakthrough infections elicit potent, broad, and durable neutralizing antibody responses. <i>Cell</i> , 2022, 185, 872-880.e3.	13.5	165
16	Imprinted SARS-CoV-2-specific memory lymphocytes define hybrid immunity. <i>Cell</i> , 2022, 185, 1588-1601.e14.	13.5	137
17	Respiratory Syncytial Virus Transplacental Antibody Transfer and Kinetics in Mother-Infant Pairs in Bangladesh. <i>Journal of Infectious Diseases</i> , 2014, 210, 1582-1589.	1.9	134
18	Maternal Immunization. <i>Clinical Infectious Diseases</i> , 2014, 59, 560-568.	2.9	107

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19	Comparison of Unsupervised Home Self-collected Midnasal Swabs With Clinician-Collected Nasopharyngeal Swabs for Detection of SARS-CoV-2 Infection. <i>JAMA Network Open</i> , 2020, 3, e2016382.	2.8	104
20	Early Detection of Covid-19 through a Citywide Pandemic Surveillance Platform. <i>New England Journal of Medicine</i> , 2020, 383, 185-187.	13.9	97
21	Isolation and characterization of cross-neutralizing coronavirus antibodies from COVID-19+ subjects. <i>Cell Reports</i> , 2021, 36, 109353.	2.9	95
22	Clinical Features and Outcomes of 105 Hospitalized Patients With COVID-19 in Seattle, Washington. <i>Clinical Infectious Diseases</i> , 2020, 71, 2167-2173.	2.9	95
23	Comparison of Symptoms and RNA Levels in Children and Adults With SARS-CoV-2 Infection in the Community Setting. <i>JAMA Pediatrics</i> , 2021, 175, e212025.	3.3	80
24	Voriconazole therapeutic drug monitoring: retrospective cohort study of the relationship to clinical outcomes and adverse events. <i>BMC Infectious Diseases</i> , 2013, 13, 105.	1.3	69
25	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak. <i>Nature Communications</i> , 2020, 11, 4378.	5.8	63
26	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	58
27	Transplacental transfer of maternal respiratory syncytial virus (RSV) antibody and protection against RSV disease in infants in rural Nepal. <i>Journal of Clinical Virology</i> , 2017, 95, 90-95.	1.6	52
28	Cost-Effectiveness of Free HIV Voluntary Counseling and Testing Through a Community-Based AIDS Service Organization in Northern Tanzania. <i>American Journal of Public Health</i> , 2006, 96, 114-119.	1.5	49
29	Clinical Presentation and Birth Outcomes Associated with Respiratory Syncytial Virus Infection in Pregnancy. <i>PLoS ONE</i> , 2016, 11, e0152015.	1.1	49
30	A SARS-CoV-2 variant elicits an antibody response with a shifted immunodominance hierarchy. <i>PLoS Pathogens</i> , 2022, 18, e1010248.	2.1	48
31	Epitope profiling reveals binding signatures of SARS-CoV-2 immune response in natural infection and cross-reactivity with endemic human CoVs. <i>Cell Reports</i> , 2021, 35, 109164.	2.9	44
32	Impact of rapid influenza PCR testing on hospitalization and antiviral use: A retrospective cohort study. <i>Journal of Medical Virology</i> , 2015, 87, 2021-2026.	2.5	42
33	Breast Milk Prefusion F Immunoglobulin G as a Correlate of Protection Against Respiratory Syncytial Virus Acute Respiratory Illness. <i>Journal of Infectious Diseases</i> , 2019, 219, 59-67.	1.9	42
34	Safety and infectivity of two doses of live-attenuated recombinant cold-passaged human parainfluenza type 3 virus vaccine rHPIV3cp45 in HPIV3-seronegative young children. <i>Vaccine</i> , 2013, 31, 5706-5712.	1.7	41
35	Molecular epidemiology of human rhinovirus infections in the pediatric emergency department. <i>Journal of Clinical Virology</i> , 2015, 62, 25-31.	1.6	39
36	Comorbid illnesses are associated with altered adaptive immune responses to SARS-CoV-2. <i>JCI Insight</i> , 2021, 6, .	2.3	39

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37	High-resolution profiling of pathways of escape for SARS-CoV-2 spike-binding antibodies. <i>Cell</i> , 2021, 184, 2927-2938.e11.	13.5	35
38	Burden and Risk Factors for Coronavirus Infections in Infants in Rural Nepal. <i>Clinical Infectious Diseases</i> , 2018, 67, 1507-1514.	2.9	34
39	Nosocomial Transmission of Respiratory Syncytial Virus in an Outpatient Cancer Center. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 844-851.	2.0	33
40	Respiratory Tract Infections Due to Human Metapneumovirus in Immunocompromised Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2014, 3, 286-293.	0.6	31
41	Molecular epidemiology of respiratory syncytial virus transmission in childcare. <i>Journal of Clinical Virology</i> , 2013, 57, 343-350.	1.6	30
42	Impact of Timing of Influenza Vaccination in Pregnancy on Transplacental Antibody Transfer, Influenza Incidence, and Birth Outcomes: A Randomized Trial in Rural Nepal. <i>Clinical Infectious Diseases</i> , 2018, 67, 334-340.	2.9	30
43	A regulatory T cell signature distinguishes the immune landscape of COVID-19 patients from those with other respiratory infections. <i>Science Advances</i> , 2021, 7, eabj0274.	4.7	28
44	Heterotypic Infection and Spread of Rhinovirus A, B, and C among Childcare Attendees. <i>Journal of Infectious Diseases</i> , 2018, 218, 848-855.	1.9	27
45	Hemophagocytic Lymphohistiocytosis Secondary to Human Immunodeficiency Virus-Associated Histoplasmosis. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv140.	0.4	26
46	Maternal immunization. <i>Birth Defects Research</i> , 2017, 109, 379-386.	0.8	26
47	The Seattle Flu Study: a multiarm community-based prospective study protocol for assessing influenza prevalence, transmission and genomic epidemiology. <i>BMJ Open</i> , 2020, 10, e037295.	0.8	25
48	Sociodemographic and clinical characteristics of clients presenting for HIV voluntary counselling and testing in Moshi, Tanzania. <i>International Journal of STD and AIDS</i> , 2005, 16, 691-696.	0.5	25
49	Respiratory Syncytial Virus Disease: Prevention and Treatment. <i>Current Topics in Microbiology and Immunology</i> , 2013, 372, 235-258.	0.7	23
50	Clinical outcomes in outpatient respiratory syncytial virus infection in immunocompromised children. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 205-210.	1.5	22
51	In silico detection of SARS-CoV-2 specific B-cell epitopes and validation in ELISA for serological diagnosis of COVID-19. <i>Scientific Reports</i> , 2021, 11, 4290.	1.6	22
52	Gender Differences in the Risk of HIV Infection among Persons Reporting Abstinence, Monogamy, and Multiple Sexual Partners in Northern Tanzania. <i>PLoS ONE</i> , 2008, 3, e3075.	1.1	20
53	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. <i>ImmunoHorizons</i> , 2021, 5, 322-335.	0.8	19
54	Trends in COVID-19 vaccination intent and factors associated with deliberation and reluctance among adult homeless shelter residents and staff, 1 November 2020 to 28 February 2021 – King County, Washington. <i>Vaccine</i> , 2022, 40, 122-132.	1.7	19

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55	Comprehensive characterization of the antibody responses to SARS-CoV-2 Spike protein finds additional vaccine-induced epitopes beyond those for mild infection. <i>ELife</i> , 2022, 11, .	2.8	19
56	Evaluating Specimen Quality and Results from a Community-Wide, Home-Based Respiratory Surveillance Study. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	17
57	Remote Household Observation for Noninfluenza Respiratory Viral Illness. <i>Clinical Infectious Diseases</i> , 2021, 73, e4411-e4418.	2.9	17
58	Rhinovirus Disease in Children Seeking Care in a Tertiary Pediatric Emergency Department. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2016, 5, 29-38.	0.6	15
59	Respiratory syncytial virus infection in infants in rural Nepal. <i>Journal of Infection</i> , 2016, 73, 145-154.	1.7	15
60	Dynamics of breast milk antibody titer in the six months following SARS-CoV-2 infection. <i>Journal of Clinical Virology</i> , 2021, 142, 104916.	1.6	15
61	Human Metapneumovirus and Other Respiratory Viral Infections during Pregnancy and Birth, Nepal. <i>Emerging Infectious Diseases</i> , 2017, 23, .	2.0	14
62	Respiratory Virus Infection During Pregnancy: Does It Matter?. <i>Journal of Infectious Diseases</i> , 2018, 218, 512-515.	1.9	14
63	Effects of weather-related social distancing on city-scale transmission of respiratory viruses: a retrospective cohort study. <i>BMC Infectious Diseases</i> , 2021, 21, 335.	1.3	14
64	Vaccines Against Respiratory Syncytial Virus: The Time Has Come. <i>Journal of Infectious Diseases</i> , 2017, 215, 4-7.	1.9	13
65	The SARS-CoV-2 Delta variant induces an antibody response largely focused on class 1 and 2 antibody epitopes. <i>PLoS Pathogens</i> , 2022, 18, e1010592.	2.1	13
66	Respiratory viral coinfection in a birth cohort of infants in rural Nepal. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 739-746.	1.5	12
67	SARS-CoV-2 Epidemiology on a Public University Campus in Washington State. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab464.	0.4	12
68	Morbidity and mortality among a cohort of HIV-infected adults in a programme for community home-based care, in the Kilimanjaro Region of Tanzania (2003â€“2005). <i>Annals of Tropical Medicine and Parasitology</i> , 2009, 103, 263-273.	1.6	11
69	Primary and Repeated Respiratory Viral Infections Among Infants in Rural Nepal. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020, 9, 21-29.	0.6	11
70	Cross-Sectional Prevalence of SARS-CoV-2 Among Skilled Nursing Facility Employees and Residents Across Facilities in Seattle. <i>Journal of General Internal Medicine</i> , 2020, 35, 3302-3307.	1.3	11
71	Humoral immunogenicity of the seasonal influenza vaccine before and after CAR-T-cell therapy: a prospective observational study. , 2021, 9, e003428.		11
72	Impact of maternal vaccination timing and influenza virus circulation on birth outcomes in rural Nepal. <i>International Journal of Gynecology and Obstetrics</i> , 2018, 140, 65-72.	1.0	10

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73	Respiratory Syncytial Virus Infection in Homeless Populations, Washington, USA. <i>Emerging Infectious Diseases</i> , 2019, 25, 1408-1411.	2.0	10
74	Epidemiology of Respiratory Syncytial Virus Across Five Influenza Seasons Among Adults and Children One Year of Age and Older—Washington State, 2011/2012–2015/2016. <i>Journal of Infectious Diseases</i> , 2021, 223, 147-156.	1.9	10
75	Nausea, vomiting and poor appetite during pregnancy and adverse birth outcomes in rural Nepal: an observational cohort study. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 545.	0.9	8
76	Incidence of Medically Attended Acute Respiratory Illnesses Due to Respiratory Viruses Across the Life Course During the 2018/19 Influenza Season. <i>Clinical Infectious Diseases</i> , 2021, 73, 802-807.	2.9	8
77	Effect of Diarrheal Illness During Pregnancy on Adverse Birth Outcomes in Nepal. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz011.	0.4	7
78	Point-of-care molecular testing and antiviral treatment of influenza in residents of homeless shelters in Seattle, WA: study protocol for a stepped-wedge cluster-randomized controlled trial. <i>Trials</i> , 2020, 21, 956.	0.7	7
79	Human Metapneumovirus Infection and Genotyping of Infants in Rural Nepal. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, 408-416.	0.6	7
80	A remote household-based approach to influenza self-testing and antiviral treatment. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 469-477.	1.5	7
81	Respiratory syncytial virus and influenza hospitalizations in Alaska native adults. <i>Journal of Clinical Virology</i> , 2020, 127, 104347.	1.6	6
82	Detailed analysis of antibody responses to SARS-CoV-2 vaccination and infection in macaques. <i>PLoS Pathogens</i> , 2022, 18, e1010155.	2.1	6
83	The Clinical and Genomic Epidemiology of Rhinovirus in Homeless Shelters—King County, Washington. <i>Journal of Infectious Diseases</i> , 2022, 226, S304-S314.	1.9	6
84	Transplacental Respiratory Syncytial Virus and Influenza Virus Antibody Transfer in Alaska Native and Seattle Mother-Infant Pairs. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, 230-236.	0.6	5
85	Diagnostic Accuracy of an At-Home, Rapid Self-test for Influenza: Prospective Comparative Accuracy Study. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e28268.	1.2	5
86	Nutritional status of infants at six months of age following maternal influenza immunization: A randomized placebo-controlled trial in rural Nepal. <i>Vaccine</i> , 2017, 35, 6743-6750.	1.7	4
87	Phylogenetic characterization of rhinoviruses from infants in Sarlahi, Nepal. <i>Journal of Medical Virology</i> , 2019, 91, 2108-2116.	2.5	4
88	RSV, Antibodies and the Developing World. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, S24-S27.	1.1	4
89	Detection and kinetics of subgenomic SARS-CoV-2 RNA viral load in longitudinal diagnostic RNA positive samples. <i>Journal of Infectious Diseases</i> , 2022, , .	1.9	4
90	Evaluating an app-guided self-test for influenza: lessons learned for improving the feasibility of study designs to evaluate self-tests for respiratory viruses. <i>BMC Infectious Diseases</i> , 2021, 21, 617.	1.3	3

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91	Phylogenomics of SARS-CoV-2 in Emergency Shelters for People Experiencing Homelessness. <i>Journal of Infectious Diseases</i> , 2022, , .	1.9	3
92	Dissecting Fc signatures of protection in neonates following maternal influenza vaccination in a placebo-controlled trial. <i>Cell Reports</i> , 2022, 38, 110337.	2.9	3
93	Enterovirus D68 in children presenting for acute care in the hospital setting. <i>Influenza and Other Respiratory Viruses</i> , 2018, 12, 522-528.	1.5	2
94	Seroprevalence of SARS-CoV-2 antibodies in Seattle, Washington: October 2019–April 2020. <i>PLoS ONE</i> , 2021, 16, e0252235.	1.1	2
95	Molecular characterization of influenza viruses from women and infants in Sarlahi, Nepal. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 305-310.	0.8	1
96	Challenges and lessons in establishing human immune profiling cohort studies for pandemic response. <i>Immunological Reviews</i> , 0, , .	2.8	1
97	Assessment of indirect protection from maternal influenza immunization among non-vaccinated household family members in a randomized controlled trial in Sarlahi, Nepal. <i>Vaccine</i> , 2020, 38, 6826-6831.	1.7	0
98	Factors and Challenges in Understanding SARS-CoV-2 RNA Levels, Symptoms, and Transmissibility—Reply. <i>JAMA Pediatrics</i> , 2021, 175, 1293-1294.	3.3	0
99	Self-Assessed Severity as a Determinant of COVID-19 Symptom Specificity: A Longitudinal Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, , .	2.9	0