Helen Y Chu

List of Publications by Year
in descending order

99 papers	9,477 citations	117625 34 h-index	53230 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. Cell Host and Microbe, 2021, 29, 463-476.e6.	11.0	1,054
2	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. Nature, 2022, 602, 664-670.	27.8	917
3	Sequelae in Adults at 6 Months After COVID-19 Infection. JAMA Network Open, 2021, 4, e210830.	5.9	663
4	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. Viruses, 2020, 12, 513.	3.3	641
5	Multiple early factors anticipate post-acute COVID-19 sequelae. Cell, 2022, 185, 881-895.e20.	28.9	605
6	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. Science, 2020, 370, .	12.6	511
7	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. Cell, 2020, 183, 1367-1382.e17.	28.9	420
8	Analysis of a SARS-CoV-2-Infected Individual Reveals Development of Potent Neutralizing Antibodies with Limited Somatic Mutation. Immunity, 2020, 53, 98-105.e5.	14.3	376
9	Distinct Early Serological Signatures Track with SARS-CoV-2 Survival. Immunity, 2020, 53, 524-532.e4.	14.3	334
10	Molecular basis of immune evasion by the Delta and Kappa SARS-CoV-2 variants. Science, 2021, 374, 1621-1626.	12.6	232
11	Global Disease Burden Estimates of Respiratory Syncytial Virusâ€“Associated Acute Respiratory Infection in Older Adults in 2015: A Systematic Review and Meta-Analysis. Journal of Infectious Diseases, 2020, 222, S577-S583.	4.0	231
12	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. Journal of Infectious Diseases, 2021, 223, 197-205.	4.0	216
13	Antibodies elicited by mRNA-1273 vaccination bind more broadly to the receptor binding domain than do those from SARS-CoV-2 infection. Science Translational Medicine, 2021, 13, .	12.4	198
14	Year-round influenza immunisation during pregnancy in Nepal: a phase 4, randomised, placebo-controlled trial. Lancet Infectious Diseases, The, 2017, 17, 981-989.	9.1	185
15	SARS-CoV-2 breakthrough infections elicit potent, broad, and durable neutralizing antibody responses. Cell, 2022, 185, 872-880.e3.	28.9	165
16	Imprinted SARS-CoV-2-specific memory lymphocytes define hybrid immunity. Cell, 2022, 185, 1588-1601.e14.	28.9	137
17	Respiratory Syncytial Virus Transplacental Antibody Transfer and Kinetics in Mother-Infant Pairs in Bangladesh. Journal of Infectious Diseases, 2014, 210, 1582-1589.	4.0	134
18	Maternal Immunization. Clinical Infectious Diseases, 2014, 59, 560-568.	5.8	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. JAMA Network Open, 2020, 3, e2016382.	5.9	104
20	Early Detection of Covid-19 through a Citywide Pandemic Surveillance Platform. New England Journal of Medicine, 2020, 383, 185-187.	27.0	97
21	Isolation and characterization of cross-neutralizing coronavirus antibodies from COVID-19+ subjects. Cell Reports, 2021, 36, 109353.	6.4	95
22	Clinical Features and Outcomes of 105 Hospitalized Patients With COVID-19 in Seattle, Washington. Clinical Infectious Diseases, 2020, 71, 2167-2173.	5.8	95
23	Comparison of Symptoms and RNA Levels in Children and Adults With SARS-CoV-2 Infection in the Community Setting. JAMA Pediatrics, 2021, 175, e212025.	6.2	80
24	Voriconazole therapeutic drug monitoring: retrospective cohort study of the relationship to clinical outcomes and adverse events. BMC Infectious Diseases, 2013, 13, 105.	2.9	69
25	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak. Nature Communications, 2020, 11, 4378.	12.8	63
26	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. Science Translational Medicine, 2021, 13, .	12.4	58
27	Transplacental transfer of maternal respiratory syncytial virus (RSV) antibody and protection against RSV disease in infants in rural Nepal. Journal of Clinical Virology, 2017, 95, 90-95.	3.1	52
28	Cost-Effectiveness of Free HIV Voluntary Counseling and Testing Through a Community-Based AIDS Service Organization in Northern Tanzania. American Journal of Public Health, 2006, 96, 114-119.	2.7	49
29	Clinical Presentation and Birth Outcomes Associated with Respiratory Syncytial Virus Infection in Pregnancy. PLoS ONE, 2016, 11, e0152015.	2.5	49
30	A SARS-CoV-2 variant elicits an antibody response with a shifted immunodominance hierarchy. PLoS Pathogens, 2022, 18, e1010248.	4.7	48
31	Epitope profiling reveals binding signatures of SARS-CoV-2 immune response in natural infection and cross-reactivity with endemic human CoVs. Cell Reports, 2021, 35, 109164.	6.4	44
32	Impact of rapid influenza PCR testing on hospitalization and antiviral use: A retrospective cohort study. Journal of Medical Virology, 2015, 87, 2021-2026.	5.0	42
33	Breast Milk Prefusion F Immunoglobulin G as a Correlate of Protection Against Respiratory Syncytial Virus Acute Respiratory Illness. Journal of Infectious Diseases, 2019, 219, 59-67.	4.0	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. Vaccine, 2013, 31, 5706-5712.	3.8	41
35	Molecular epidemiology of human rhinovirus infections in the pediatric emergency department. Journal of Clinical Virology, 2015, 62, 25-31.	3.1	39
36	Comorbid illnesses are associated with altered adaptive immune responses to SARS-CoV-2. JCI Insight, 2021, 6, .	5.0	39

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37	High-resolution profiling of pathways of escape for SARS-CoV-2 spike-binding antibodies. Cell, 2021, 184, 2927-2938.e11.	28.9	35
38	Burden and Risk Factors for Coronavirus Infections in Infants in Rural Nepal. Clinical Infectious Diseases, 2018, 67, 1507-1514.	5.8	34
39	Nosocomial Transmission of Respiratory Syncytial Virus in an Outpatient Cancer Center. Biology of Blood and Marrow Transplantation, 2014, 20, 844-851.	2.0	33
40	Respiratory Tract Infections Due to Human Metapneumovirus in Immunocompromised Children. Journal of the Pediatric Infectious Diseases Society, 2014, 3, 286-293.	1.3	31
41	Molecular epidemiology of respiratory syncytial virus transmission in childcare. Journal of Clinical Virology, 2013, 57, 343-350.	3.1	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. Clinical Infectious Diseases, 2018, 67, 334-340.	5.8	30
43	A regulatory T cell signature distinguishes the immune landscape of COVID-19 patients from those with other respiratory infections. Science Advances, 2021, 7, eabj0274.	10.3	28
44	Heterotypic Infection and Spread of Rhinovirus A, B, and C among Childcare Attendees. Journal of Infectious Diseases, 2018, 218, 848-855.	4.0	27
45	Hemophagocytic Lymphohistiocytosis Secondary to Human Immunodeficiency Virus-Associated Histoplasmosis. Open Forum Infectious Diseases, 2015, 2, ofv140.	0.9	26
46	Maternal immunization. Birth Defects Research, 2017, 109, 379-386.	1.5	26
47	The Seattle Flu Study: a multiarm community-based prospective study protocol for assessing influenza prevalence, transmission and genomic epidemiology. BMJ Open, 2020, 10, e037295.	1.9	25
48	Sociodemographic and clinical characteristics of clients presenting for HIV voluntary counselling and testing in Moshi, Tanzania. International Journal of STD and AIDS, 2005, 16, 691-696.	1.1	25
49	Respiratory Syncytial Virus Disease: Prevention and Treatment. Current Topics in Microbiology and Immunology, 2013, 372, 235-258.	1.1	23
50	Clinical outcomes in outpatient respiratory syncytial virus infection in immunocompromised children. Influenza and Other Respiratory Viruses, 2016, 10, 205-210.	3.4	22
51	In silico detection of SARS-CoV-2 specific B-cell epitopes and validation in ELISA for serological diagnosis of COVID-19. Scientific Reports, 2021, 11, 4290.	3.3	22
52	Gender Differences in the Risk of HIV Infection among Persons Reporting Abstinence, Monogamy, and Multiple Sexual Partners in Northern Tanzania. PLoS ONE, 2008, 3, e3075.	2.5	20
53	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. ImmunoHorizons, 2021, 5, 322-335.	1.8	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 â€“ King County, Washington. Vaccine, 2022, 40, 122-132.	3.8	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. ELife, 2022, 11, .	6.0	19
56	Evaluating Specimen Quality and Results from a Community-Wide, Home-Based Respiratory Surveillance Study. Journal of Clinical Microbiology, 2021, 59, .	3.9	17
57	Remote Household Observation for Noninfluenza Respiratory Viral Illness. Clinical Infectious Diseases, 2021, 73, e4411-e4418.	5.8	17
58	Rhinovirus Disease in Children Seeking Care in a Tertiary Pediatric Emergency Department. Journal of the Pediatric Infectious Diseases Society, 2016, 5, 29-38.	1.3	15
59	Respiratory syncytial virus infection in infants in rural Nepal. Journal of Infection, 2016, 73, 145-154.	3.3	15
60	Dynamics of breast milk antibody titer in the six months following SARS-CoV-2 infection. Journal of Clinical Virology, 2021, 142, 104916.	3.1	15
61	Human Metapneumovirus and Other Respiratory Viral Infections during Pregnancy and Birth, Nepal. Emerging Infectious Diseases, 2017, 23, .	4.3	14
62	Respiratory Virus Infection During Pregnancy: Does It Matter?. Journal of Infectious Diseases, 2018, 218, 512-515.	4.0	14
63	Effects of weather-related social distancing on city-scale transmission of respiratory viruses: a retrospective cohort study. BMC Infectious Diseases, 2021, 21, 335.	2.9	14
64	Vaccines Against Respiratory Syncytial Virus: The Time Has Come. Journal of Infectious Diseases, 2017, 215, 4-7.	4.0	13
65	The SARS-CoV-2 Delta variant induces an antibody response largely focused on class 1 and 2 antibody epitopes. PLoS Pathogens, 2022, 18, e1010592.	4.7	13
66	Respiratory viral coinfection in a birth cohort of infants in rural Nepal. Influenza and Other Respiratory Viruses, 2020, 14, 739-746.	3.4	12
67	SARS-CoV-2 Epidemiology on a Public University Campus in Washington State. Open Forum Infectious Diseases, 2021, 8, ofab464.	0.9	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). Annals of Tropical Medicine and Parasitology, 2009, 103, 263-273.	1.6	11
69	Primary and Repeated Respiratory Viral Infections Among Infants in Rural Nepal. Journal of the Pediatric Infectious Diseases Society, 2020, 9, 21-29.	1.3	11
70	Cross-Sectional Prevalence of SARS-CoV-2 Among Skilled Nursing Facility Employees and Residents Across Facilities in Seattle. Journal of General Internal Medicine, 2020, 35, 3302-3307.	2.6	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. International Journal of Gynecology and Obstetrics, 2018, 140, 65-72.	2.3	10

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73	Respiratory Syncytial Virus Infection in Homeless Populations, Washington, USA. Emerging Infectious Diseases, 2019, 25, 1408-1411.	4.3	10
74	Epidemiology of Respiratory Syncytial Virus Across Five Influenza Seasons Among Adults and Children One Year of Age and Olderâ€"Washington State, 2011/2012â€"2015/2016. Journal of Infectious Diseases, 2021, 223, 147-156.	4.0	10
75	Nausea, vomiting and poor appetite during pregnancy and adverse birth outcomes in rural Nepal: an observational cohort study. BMC Pregnancy and Childbirth, 2020, 20, 545.	2.4	8
76	Incidence of Medically Attended Acute Respiratory Illnesses Due to Respiratory Viruses Across the Life Course During the 2018/19 Influenza Season. Clinical Infectious Diseases, 2021, 73, 802-807.	5.8	8
77	Effect of Diarrheal Illness During Pregnancy on Adverse Birth Outcomes in Nepal. Open Forum Infectious Diseases, 2019, 6, ofz011.	0.9	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. Trials, 2020, 21, 956.	1.6	7
79	Human Metapneumovirus Infection and Genotyping of Infants in Rural Nepal. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 408-416.	1.3	7
80	A remote householdâ€based approach to influenza selfâ€testing and antiviral treatment. Influenza and Other Respiratory Viruses, 2021, 15, 469-477.	3.4	7
81	Respiratory syncytial virus and influenza hospitalizations in Alaska native adults. Journal of Clinical Virology, 2020, 127, 104347.	3.1	6
82	Detailed analysis of antibody responses to SARS-CoV-2 vaccination and infection in macaques. PLoS Pathogens, 2022, 18, e1010155.	4.7	6
83	The Clinical and Genomic Epidemiology of Rhinovirus in Homeless Sheltersâ€"King County, Washington. Journal of Infectious Diseases, 2022, 226, S304-S314.	4.0	6
84	Transplacental Respiratory Syncytial Virus and Influenza Virus Antibody Transfer in Alaska Native and Seattle Motherâ€"Infant Pairs. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 230-236.	1.3	5
85	Diagnostic Accuracy of an At-Home, Rapid Self-test for Influenza: Prospective Comparative Accuracy Study. JMIR Public Health and Surveillance, 2022, 8, e28268.	2.6	5
86	Nutritional status of infants at six months of age following maternal influenza immunization: A randomized placebo-controlled trial in rural Nepal. Vaccine, 2017, 35, 6743-6750.	3.8	4
87	Phylogenetic characterization of rhinoviruses from infants in Sarlahi, Nepal. Journal of Medical Virology, 2019, 91, 2108-2116.	5.0	4
88	RSV, Antibodies and the Developing World. Pediatric Infectious Disease Journal, 2019, 38, S24-S27.	2.0	4
89	Detection and kinetics of subgenomic SARS-CoV-2 RNA viral load in longitudinal diagnostic RNA positive samples. Journal of Infectious Diseases, 2022, , .	4.0	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. BMC Infectious Diseases, 2021, 21, 617.	2.9	3

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91	Phylogenomics of SARS-CoV-2 in Emergency Shelters for People Experiencing Homelessness. Journal of Infectious Diseases, 2022, , .	4.0	3
92	Dissecting Fc signatures of protection in neonates following maternal influenza vaccination in a placebo-controlled trial. Cell Reports, 2022, 38, 110337.	6.4	3
93	Enterovirus Dâ€68 in children presenting for acute care in the hospital setting. Influenza and Other Respiratory Viruses, 2018, 12, 522-528.	3.4	2
94	Seroprevalence of SARS-CoV-2 antibodies in Seattle, Washington: October 2019â€“April 2020. PLoS ONE, 2021, 16, e0252235.	2.5	2
95	Molecular characterization of influenza viruses from women and infants in Sarlahi, Nepal. Diagnostic Microbiology and Infectious Disease, 2019, 93, 305-310.	1.8	1
96	Challenges and lessons in establishing human immune profiling cohort studies for pandemic response. Immunological Reviews, 0, , .	6.0	1
97	Assessment of indirect protection from maternal influenza immunization among non-vaccinated household family members in a randomized controlled trial in Sarlahi, Nepal. Vaccine, 2020, 38, 6826-6831.	3.8	0
98	Factors and Challenges in Understanding SARS-CoV-2 RNA Levels, Symptoms, and Transmissibilityâ€”Reply. JAMA Pediatrics, 2021, 175, 1293-1294.	6.2	0
99	Self-Assessed Severity as a Determinant of COVID-19 Symptom Specificity: A Longitudinal Cohort Study. Clinical Infectious Diseases, 2022, , .	5.8	0