

# Helen Y Chu

## List of Publications by Citations

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105  
papers

4,540  
citations

31  
h-index

66  
g-index

117  
ext. papers

7,527  
ext. citations

12.3  
avg, IF

6.33  
L-index

#	Paper	IF	Citations
105	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> , <b>2021</b> , 29, 463-476.e6	23.4	569
104	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. <i>Viruses</i> , <b>2020</b> , 12,	6.2	360
103	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. <i>Science</i> , <b>2020</b> , 370,	33.3	289
102	Sequelae in Adults at 6 Months After COVID-19 Infection. <i>JAMA Network Open</i> , <b>2021</b> , 4, e210830	10.4	267
101	Analysis of a SARS-CoV-2-Infected Individual Reveals Development of Potent Neutralizing Antibodies with Limited Somatic Mutation. <i>Immunity</i> , <b>2020</b> , 53, 98-105.e5	32.3	260
100	Distinct Early Serological Signatures Track with SARS-CoV-2 Survival. <i>Immunity</i> , <b>2020</b> , 53, 524-532.e4	32.3	219
99	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. <i>Cell</i> , <b>2020</b> , 183, 1367-1382.e17	56.2	217
98	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift.. <i>Nature</i> , <b>2021</b> ,	50.4	204
97	Year-round influenza immunisation during pregnancy in Nepal: a phase 4, randomised, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , <b>2017</b> , 17, 981-989	25.5	141
96	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 197-205	7	119
95	Respiratory syncytial virus transplacental antibody transfer and kinetics in mother-infant pairs in Bangladesh. <i>Journal of Infectious Diseases</i> , <b>2014</b> , 210, 1582-9	7	104
94	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> , <b>2020</b> , 222, S577-S583	7	101
93	Comprehensive mapping of mutations to the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human serum antibodies		97
92	Maternal immunization. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 59, 560-8	11.6	84
91	Clinical Features and Outcomes of 105 Hospitalized Patients With COVID-19 in Seattle, Washington. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 2167-2173	11.6	77
90	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> , <b>2021</b> , 13,	17.5	74
89	Molecular basis of immune evasion by the Delta and Kappa SARS-CoV-2 variants. <i>Science</i> , <b>2021</b> , eabl8506	33.3	65

88	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> , <b>2020</b> , 3, e2016382	10.4	65
87	Early Detection of Covid-19 through a Citywide Pandemic Surveillance Platform. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 185-187	59.2	64
86	Multiple early factors anticipate post-acute COVID-19 sequelae.. <i>Cell</i> , <b>2022</b> , 185, 881-895.e20	56.2	64
85	Voriconazole therapeutic drug monitoring: retrospective cohort study of the relationship to clinical outcomes and adverse events. <i>BMC Infectious Diseases</i> , <b>2013</b> , 13, 105	4	53
84	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> , <b>2006</b> , 96, 114-9	5.1	45
83	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak. <i>Nature Communications</i> , <b>2020</b> , 11, 4378	17.4	45
82	Characterization of neutralizing antibodies from a SARS-CoV-2 infected individual <b>2020</b> ,		43
81	Isolation and characterization of cross-neutralizing coronavirus antibodies from COVID-19+ subjects. <i>Cell Reports</i> , <b>2021</b> , 36, 109353	10.6	41
80	Clinical Presentation and Birth Outcomes Associated with Respiratory Syncytial Virus Infection in Pregnancy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152015	3.7	39
79	Dynamics of neutralizing antibody titers in the months after SARS-CoV-2 infection		38
78	Impact of rapid influenza PCR testing on hospitalization and antiviral use: A retrospective cohort study. <i>Journal of Medical Virology</i> , <b>2015</b> , 87, 2021-6	19.7	35
77	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> , <b>2013</b> , 31, 5706-12	4.1	34
76	Molecular epidemiology of human rhinovirus infections in the pediatric emergency department. <i>Journal of Clinical Virology</i> , <b>2015</b> , 62, 25-31	14.5	33
75	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> , <b>2017</b> , 95, 90-95	14.5	33
74	Breast Milk Prefusion F Immunoglobulin G as a Correlate of Protection Against Respiratory Syncytial Virus Acute Respiratory Illness. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 219, 59-67	7	31
73	Molecular basis of immune evasion by the delta and kappa SARS-CoV-2 variants <b>2021</b> ,		31
72	Respiratory Tract Infections Due to Human Metapneumovirus in Immunocompromised Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2014</b> , 3, 286-93	4.8	28
71	Nosocomial transmission of respiratory syncytial virus in an outpatient cancer center. <i>Biology of Blood and Marrow Transplantation</i> , <b>2014</b> , 20, 844-51	4.7	27

70	Comparison of Symptoms and RNA Levels in Children and Adults With SARS-CoV-2 Infection in the Community Setting. <i>JAMA Pediatrics</i> , <b>2021</b> , 175, e212025	8.3	27
69	Sociodemographic and clinical characteristics of clients presenting for HIV voluntary counselling and testing in Moshi, Tanzania. <i>International Journal of STD and AIDS</i> , <b>2005</b> , 16, 691-6	1.4	24
68	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> , <b>2018</b> , 67, 334-340	11.6	23
67	Hemophagocytic Lymphohistiocytosis Secondary to Human Immunodeficiency Virus-Associated Histoplasmosis. <i>Open Forum Infectious Diseases</i> , <b>2015</b> , 2, ofv140	1	21
66	SARS-CoV-2 breakthrough infections elicit potent, broad, and durable neutralizing antibody responses.. <i>Cell</i> , <b>2022</b> ,	56.2	21
65	Burden and Risk Factors for Coronavirus Infections in Infants in Rural Nepal. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 67, 1507-1514	11.6	20
64	Clinical outcomes in outpatient respiratory syncytial virus infection in immunocompromised children. <i>Influenza and Other Respiratory Viruses</i> , <b>2016</b> , 10, 205-10	5.6	20
63	Molecular epidemiology of respiratory syncytial virus transmission in childcare. <i>Journal of Clinical Virology</i> , <b>2013</b> , 57, 343-50	14.5	19
62	Respiratory syncytial virus disease: prevention and treatment. <i>Current Topics in Microbiology and Immunology</i> , <b>2013</b> , 372, 235-58	3.3	18
61	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	18
60	Gender differences in the risk of HIV infection among persons reporting abstinence, monogamy, and multiple sexual partners in northern Tanzania. <i>PLoS ONE</i> , <b>2008</b> , 3, e3075	3.7	16
59	Heterotypic Infection and Spread of Rhinovirus A, B, and C among Childcare Attendees. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, 848-855	7	15
58	Respiratory syncytial virus infection in infants in rural Nepal. <i>Journal of Infection</i> , <b>2016</b> , 73, 145-54	18.9	13
57	Imprinted SARS-CoV-2-specific memory lymphocytes define hybrid immunity.. <i>Cell</i> , <b>2022</b> ,	56.2	13
56	Maternal immunization. <i>Birth Defects Research</i> , <b>2017</b> , 109, 379-386	2.9	12
55	High-resolution profiling of pathways of escape for SARS-CoV-2 spike-binding antibodies. <i>Cell</i> , <b>2021</b> , 184, 2927-2938.e11	56.2	12
54	Rhinovirus Disease in Children Seeking Care in a Tertiary Pediatric Emergency Department. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2016</b> , 5, 29-38	4.8	12
53	The Seattle Flu Study: a multiarm community-based prospective study protocol for assessing influenza prevalence, transmission and genomic epidemiology. <i>BMJ Open</i> , <b>2020</b> , 10, e037295	3	11

52	Comorbid illnesses are associated with altered adaptive immune responses to SARS-CoV-2. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	11
51	Elicitation of potent neutralizing antibody responses by designed protein nanoparticle vaccines for SARS-CoV-2 <b>2020</b> ,		10
50	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> , <b>2021</b> , 35, 109164	10.6	10
49	Human Metapneumovirus and Other Respiratory Viral Infections during Pregnancy and Birth, Nepal. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23,	10.2	9
48	Morbidity and mortality among a cohort of HIV-infected adults in a programme for community home-based care, in the Kilimanjaro Region of Tanzania (2003-2005). <i>Annals of Tropical Medicine and Parasitology</i> , <b>2009</b> , 103, 263-73		9
47	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak <b>2020</b> ,		9
46	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> , <b>2021</b> , 11, 4290	4.9	9
45	Evaluating Specimen Quality and Results from a Community-Wide, Home-Based Respiratory Surveillance Study. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , 59,	9.7	8
44	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. <i>ImmunoHorizons</i> , <b>2021</b> , 5, 322-335	2.7	8
43	Primary and Repeated Respiratory Viral Infections Among Infants in Rural Nepal. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2020</b> , 9, 21-29	4.8	8
42	A SARS-CoV-2 variant elicits an antibody response with a shifted immunodominance hierarchy.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010248	7.6	7
41	A regulatory T cell signature distinguishes the immune landscape of COVID-19 patients from those with other respiratory infections. <i>Science Advances</i> , <b>2021</b> , 7, eabj0274	14.3	7
40	Remote Household Observation for Noninfluenza Respiratory Viral Illness. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e4411-e4418	11.6	7
39	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> , <b>2022</b> , 11,	8.9	6
38	SARS-CoV-2 spike conformation determines plasma neutralizing activity. <b>2021</b> ,		6
37	High resolution profiling of pathways of escape for SARS-CoV-2 spike-binding antibodies <b>2020</b> ,		6
36	T cell and antibody functional correlates of severe COVID-19 <b>2020</b> ,		6
35	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> , <b>2020</b> , 35, 3302-3307	4	6

34	Respiratory Syncytial Virus Infection in Homeless Populations, Washington, USA. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 1408-1411	10.2	5
33	A differential regulatory T cell signature distinguishes the immune landscape of COVID-19 hospitalized patients from those hospitalized with other respiratory viral infections <b>2021</b> ,		5
32	Impact of maternal vaccination timing and influenza virus circulation on birth outcomes in rural Nepal. <i>International Journal of Gynecology and Obstetrics</i> , <b>2018</b> , 140, 65-72	4	5
31	Respiratory viral coinfection in a birth cohort of infants in rural Nepal. <i>Influenza and Other Respiratory Viruses</i> , <b>2020</b> , 14, 739-746	5.6	4
30	Nutritional status of infants at six months of age following maternal influenza immunization: A randomized placebo-controlled trial in rural Nepal. <i>Vaccine</i> , <b>2017</b> , 35, 6743-6750	4.1	4
29	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> , <b>2021</b> ,	4.1	4
28	Phylogenetic characterization of rhinoviruses from infants in Sarlahi, Nepal. <i>Journal of Medical Virology</i> , <b>2019</b> , 91, 2108-2116	19.7	3
27	Effects of weather-related social distancing on city-scale transmission of respiratory viruses: a retrospective cohort study. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 335	4	3
26	Humoral immunogenicity of the seasonal influenza vaccine before and after CAR-T-cell therapy <b>2021</b> ,		3
25	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> , <b>2021</b> , 73, 802-807	11.6	3
24	Omicron BA.1 and BA.2 neutralizing activity elicited by a comprehensive panel of human vaccines. <b>2022</b> ,		3
23	Delta breakthrough infections elicit potent, broad and durable neutralizing antibody responses. <b>2021</b> ,		3
22	Effect of Diarrheal Illness During Pregnancy on Adverse Birth Outcomes in Nepal. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofz011	1	2
21	Enterovirus D-68 in children presenting for acute care in the hospital setting. <i>Influenza and Other Respiratory Viruses</i> , <b>2018</b> , 12, 522-528	5.6	2
20	Diagnostic Accuracy of an At-Home, Rapid Self-test for Influenza: Prospective Comparative Accuracy Study.. <i>JMIR Public Health and Surveillance</i> , <b>2022</b> , 8, e28268	11.4	2
19	A remote household-based approach to influenza self-testing and antiviral treatment. <i>Influenza and Other Respiratory Viruses</i> , <b>2021</b> , 15, 469-477	5.6	2
18	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> , <b>2021</b> , 21, 617	4	2
17	RSV, Antibodies and the Developing World. <i>Pediatric Infectious Disease Journal</i> , <b>2019</b> , 38, S24-S27	3.4	2

16	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> , <b>2021</b> , 10, 230-236	4.8	2
15	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> , <b>2021</b> , 223, 147-156	7	2
14	Human Metapneumovirus Infection and Genotyping of Infants in Rural Nepal. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2021</b> , 10, 408-416	4.8	2
13	SARS-CoV-2 Epidemiology on a Public University Campus in Washington State. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, ofab464	1	2
12	Dynamics of breast milk antibody titer in the six months following SARS-CoV-2 infection. <i>Journal of Clinical Virology</i> , <b>2021</b> , 142, 104916	14.5	2
11	Respiratory syncytial virus and influenza hospitalizations in Alaska native adults. <i>Journal of Clinical Virology</i> , <b>2020</b> , 127, 104347	14.5	1
10	Dynamics of infection-elicited SARS-CoV-2 antibodies in children over time. <b>2022</b> ,		1
9	Dissecting Fc signatures of protection in neonates following maternal influenza vaccination in a placebo-controlled trial.. <i>Cell Reports</i> , <b>2022</b> , 38, 110337	10.6	1
8	Humoral immunogenicity of the seasonal influenza vaccine before and after CAR-T-cell therapy: a prospective observational study <b>2021</b> , 9,		1
7	Seroprevalence of SARS-CoV-2 antibodies in Seattle, Washington: October 2019-April 2020. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252235	3.7	1
6	Molecular characterization of influenza viruses from women and infants in Sarlahi, Nepal. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2019</b> , 93, 305-310	2.9	1
5	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> , <b>2020</b> , 21, 956	2.8	0
4	Nausea, vomiting and poor appetite during pregnancy and adverse birth outcomes in rural Nepal: an observational cohort study. <i>BMC Pregnancy and Childbirth</i> , <b>2020</b> , 20, 545	3.2	0
3	Detailed analysis of antibody responses to SARS-CoV-2 vaccination and infection in macaques.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010155	7.6	0
2	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> , <b>2020</b> , 38, 6826-6831	4.1	1
1	Factors and Challenges in Understanding SARS-CoV-2 RNA Levels, Symptoms, and Transmissibility-Reply. <i>JAMA Pediatrics</i> , <b>2021</b> , 175, 1293-1294	8.3	