Hiam Chemaitelly

List of Publications by Year
in descending order

117 papers	8,183 citations	87888 38 h-index	74163 75 g-index
163 all docs	163 docs citations	163 times ranked	7892 citing authors

#	Article	IF	Citations
1	Effectiveness of the BNT162b2 Covid-19 Vaccine against the B.1.1.7 and B.1.351 Variants. New England Journal of Medicine, 2021, 385, 187-189.	27.0	882
2	Waning of BNT162b2 Vaccine Protection against SARS-CoV-2 Infection in Qatar. New England Journal of Medicine, 2021, 385, e83.	27.0	675
3	Effects of Previous Infection and Vaccination on Symptomatic Omicron Infections. New England Journal of Medicine, 2022, 387, 21-34.	27.0	368
4	Protection against the Omicron Variant from Previous SARS-CoV-2 Infection. New England Journal of Medicine, 2022, 386, 1288-1290.	27.0	356
5	BNT162b2 and mRNA-1273 COVID-19 vaccine effectiveness against the SARS-CoV-2 Delta variant in Qatar. Nature Medicine, 2021, 27, 2136-2143.	30.7	346
6	Seriously misleading results using inverse of Freemanâ€Tukey double arcsine transformation in metaâ€analysis of single proportions. Research Synthesis Methods, 2019, 10, 476-483.	8.7	337
7	mRNA-1273 COVID-19 vaccine effectiveness against the B.1.1.7 and B.1.351 variants and severe COVID-19 disease in Qatar. Nature Medicine, 2021, 27, 1614-1621.	30.7	337
8	Effect of mRNA Vaccine Boosters against SARS-CoV-2 Omicron Infection in Qatar. New England Journal of Medicine, 2022, 386, 1804-1816.	27.0	311
9	Duration of mRNA vaccine protection against SARS-CoV-2 Omicron BA.1 and BA.2 subvariants in Qatar. Nature Communications, 2022, 13, .	12.8	188
10	Assessment of the Risk of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Reinfection in an Intense Reexposure Setting. Clinical Infectious Diseases, 2021, 73, e1830-e1840.	5.8	154
11	SARS-CoV-2 antibody-positivity protects against reinfection for at least seven months with 95% efficacy. EClinicalMedicine, 2021, 35, 100861.	7.1	153
12	Association of Prior SARS-CoV-2 Infection With Risk of Breakthrough Infection Following mRNA Vaccination in Qatar. JAMA - Journal of the American Medical Association, 2021, 326, 1930.	7.4	140
13	Characterizing hepatitis C virus epidemiology in Egypt: systematic reviews, meta-analyses, and meta-regressions. Scientific Reports, 2018, 8, 1661.	3.3	134
14	Severity of SARS-CoV-2 Reinfections as Compared with Primary Infections. New England Journal of Medicine, 2021, 385, 2487-2489.	27.0	132
15	Characterizing the Qatar advanced-phase SARS-CoV-2 epidemic. Scientific Reports, 2021, 11, 6233.	3.3	117
16	Efficacy of Natural Immunity against SARS-CoV-2 Reinfection with the Beta Variant. New England Journal of Medicine, 2021, 385, 2585-2586.	27.0	94
17	Epidemiological Impact of SARS-CoV-2 Vaccination: Mathematical Modeling Analyses. Vaccines, 2020, 8, 668.	4.4	85
18	Waning mRNA-1273 Vaccine Effectiveness against SARS-CoV-2 Infection in Qatar. New England Journal of Medicine, 2022, 386, 1091-1093.	27.0	83

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19	Coronavirus Disease 2019 Disease Severity in Children Infected With the Omicron Variant. Clinical Infectious Diseases, 2022, 75, e361-e367.	5.8	83
20	Severity of Illness in Persons Infected With the SARS-CoV-2 Delta Variant vs Beta Variant in Qatar. JAMA Internal Medicine, 2022, 182, 197.	5.1	81
21	Argileh smoking among university students: A new tobacco epidemic. Nicotine and Tobacco Research, 2004, 6, 457-463.	2.6	80
22	Distinct HIV discordancy patterns by epidemic size in stable sexual partnerships in sub-Saharan Africa. Sexually Transmitted Infections, 2012, 88, 51-57.	1.9	80
23	SARS-CoV-2 seroprevalence in the urban population of Qatar: An analysis of antibody testing on a sample of 112,941 individuals. IScience, 2021, 24, 102646.	4.1	79
24	Characterizing the transitioning epidemiology of herpes simplex virus type 1 in the USA: model-based predictions. BMC Medicine, 2019, 17, 57.	5.5	75
25	Herd Immunity against Severe Acute Respiratory Syndrome Coronavirus 2 Infection in 10 Communities, Qatar. Emerging Infectious Diseases, 2021, 27, 1343-1352.	4.3	74
26	Outcomes Among Patients with Breakthrough SARS-CoV-2 Infection After Vaccination. International Journal of Infectious Diseases, 2021, 110, 353-358.	3.3	74
27	Mathematical modeling of the SARS-CoV-2 epidemic in Qatar and its impact on the national response to COVID-19. Journal of Global Health, 2021, 11, 05005.	2.7	71
28	Pfizer-BioNTech mRNA BNT162b2 Covid-19 vaccine protection against variants of concern after one versus two doses. Journal of Travel Medicine, 2021, 28, .	3.0	69
29	Knowledge, attitudes, and practices of argileh (water pipe or hubble-bubble) and cigarette smoking among pregnant women in Lebanon. Addictive Behaviors, 2004, 29, 1821-1831.	3.0	67
30	The Epidemiology of Herpes Simplex Virus Type 1 in Asia: Systematic Review, Meta-analyses, and Meta-regressions. Clinical Infectious Diseases, 2019, 68, 757-772.	5.8	62
31	Sources of HIV incidence among stable couples in subâ€Saharan Africa. Journal of the International AIDS Society, 2014, 17, 18765.	3.0	60
32	Real-Time SARS-CoV-2 Genotyping by High-Throughput Multiplex PCR Reveals the Epidemiology of the Variants of Concern in Qatar. International Journal of Infectious Diseases, 2021, 112, 52-54.	3.3	59
33	SARS-CoV-2 Infection Is at Herd Immunity in the Majority Segment of the Population of Qatar. Open Forum Infectious Diseases, 2021, 8, ofab221.	0.9	58
34	Effectiveness of mRNA-1273 and BNT162b2 Vaccines in Qatar. New England Journal of Medicine, 2022, 386, 799-800.	27.0	58
35	Validation of the Arabic version of the short Geriatric Depression Scale (GDS-15). International Psychogeriatrics, 2008, 20, 571-81.	1.0	57
36	Effect of narghile and cigarette smoking on newborn birthweight. BJOG: an International Journal of Obstetrics and Gynaecology, 2008, 115, 91-97.	2.3	56

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37	Introduction and expansion of the SARS-CoV-2 B.1.1.7 variant and reinfections in Qatar: A nationally representative cohort study. PLoS Medicine, 2021, 18, e1003879.	8.4	54
38	Relative infectiousness of SARS-CoV-2 vaccine breakthrough infections, reinfections, and primary infections. Nature Communications, 2022, 13, 532.	12.8	53
39	SARS-CoV-2 infection hospitalization, severity, criticality, and fatality rates in Qatar. Scientific Reports, 2021, 11, 18182.	3.3	49
40	SARS-CoV-2 vaccine effectiveness in preventing confirmed infection in pregnant women. Journal of Clinical Investigation, 2021, 131, .	8.2	49
41	The Epidemiology of Hepatitis C Virus in the Fertile Crescent: Systematic Review and Meta-Analysis. PLoS ONE, 2015, 10, e0135281.	2.5	48
42	Characterizing herpes simplex virus type 1 and type 2 seroprevalence declines and epidemiological association in the United States. PLoS ONE, 2019, 14, e0214151.	2.5	48
43	COVID-19 disease severity in persons infected with the Omicron variant compared with the Delta variant in Qatar. Journal of Global Health, 0, 12, .	2.7	48
44	Hepatitis C virus genotypes in the Middle East and North Africa: Distribution, diversity, and patterns. Journal of Medical Virology, 2018, 90, 131-141.	5.0	45
45	The role of gender in the association of social capital, social support, and economic security with self-rated health among older adults in deprived communities in Beirut. Quality of Life Research, 2013, 22, 1371-1379.	3.1	41
46	Only a fraction of new HIV infections occur within identifiable stable discordant couples in sub-Saharan Africa. Aids, 2013, 27, 251-260.	2.2	39
47	Severity, Criticality, and Fatality of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Beta Variant. Clinical Infectious Diseases, 2022, 75, e1188-e1191.	5.8	38
48	The risk of HIV transmission within HIV-1 sero-discordant couples appears to vary across sub-Saharan Africa. Epidemics, 2014, 6, 1-9.	3.0	37
49	Associations of Vaccination and of Prior Infection With Positive PCR Test Results for SARS-CoV-2 in Airline Passengers Arriving in Qatar. JAMA - Journal of the American Medical Association, 2021, 326, 185.	7.4	37
50	Effects of BA.1/BA.2 subvariant, vaccination and prior infection on infectiousness of SARS-CoV-2 omicron infections. Journal of Travel Medicine, 2022, 29, .	3.0	37
51	Age could be driving variable SARS-CoV-2 epidemic trajectories worldwide. PLoS ONE, 2020, 15, e0237959.	2.5	35
52	Waning effectiveness of COVID-19 vaccines. Lancet, The, 2022, 399, 771-773.	13.7	35
53	Herpes simplex virus type 1 epidemiology in the Middle East and North Africa: systematic review, meta-analyses, and meta-regressions. Scientific Reports, 2019, 9, 1136.	3.3	34
54	The epidemiology of hepatitis C virus in Afghanistan: systematic review and meta-analysis. International Journal of Infectious Diseases, 2015, 40, 54-63.	3.3	33

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55	Epidemiology of Chlamydia trachomatis in the Middle East and north Africa: a systematic review, meta-analysis, and meta-regression. The Lancet Global Health, 2019, 7, e1197-e1225.	6.3	32
56	HIV epidemiology among female sex workers and their clients in the Middle East and North Africa: systematic review, meta-analyses, and meta-regressions. BMC Medicine, 2019, 17, 119.	5.5	31
57	Estimates of global SARS-CoV-2 infection exposure, infection morbidity, and infection mortality rates in 2020. Global Epidemiology, 2021, 3, 100068.	1.5	30
58	Herpes simplex virus type 1 epidemiology in Africa: Systematic review, meta-analyses, and meta-regressions. Journal of Infection, 2019, 79, 289-299.	3.3	27
59	Characterizing key attributes of COVID-19 transmission dynamics in China's original outbreak: Model-based estimations. Global Epidemiology, 2020, 2, 100042.	1.5	27
60	Epidemiological impact of prioritising SARS-CoV-2 vaccination by antibody status: mathematical modelling analyses. BMJ Innovations, 2021, 7, 327-336.	1.7	27
61	Hepatitis C virus viremic rate in the Middle East and North Africa: Systematic synthesis, meta-analyses, and meta-regressions. PLoS ONE, 2017, 12, e0187177.	2.5	27
62	Epidemiology of hepatitis C virus among hemodialysis patients in the Middle East and North Africa: systematic syntheses, meta-analyses, and meta-regressions. Epidemiology and Infection, 2017, 145, 3243-3263.	2.1	26
63	Protocol for a systematic review and meta-analysis of hepatitis C virus (HCV) prevalence and incidence in the Horn of Africa sub-region of the Middle East and North Africa. Systematic Reviews, 2014, 3, 146.	5.3	24
64	Hepatitis C virus infection spontaneous clearance: Has it been underestimated?. International Journal of Infectious Diseases, 2018, 75, 60-66.	3.3	24
65	The status of hepatitis C virus infection among people who inject drugs in the Middle East and North Africa. Addiction, 2020, 115, 1244-1262.	3.3	23
66	Who to Test for Hepatitis C Virus in the Middle East and North Africa?: Pooled Analyses of 2,500 Prevalence Measures, Including 49 Million Tests. Hepatology Communications, 2019, 3, 325-339.	4.3	22
67	Two prolonged viremic SARS-CoV-2 infections with conserved viral genome for two months. Infection, Genetics and Evolution, 2021, 88, 104684.	2.3	22
68	External infections contribute minimally to HIV incidence among HIV sero-discordant couples in sub-Saharan Africa. Sexually Transmitted Infections, 2013, 89, 138-141.	1.9	20
69	Individual-level key associations and modes of exposure for hepatitis C virus infection in the Middle East and North Africa: a systematic synthesis. Annals of Epidemiology, 2018, 28, 452-461.	1.9	20
70	Global epidemiology ofNeisseria gonorrhoeaein infertile populations: systematic review, meta-analysis and metaregression. Sexually Transmitted Infections, 2021, 97, 157-169.	1.9	20
71	Epidemiological Differences in the Impact of COVID-19 Vaccination in the United States and China. Vaccines, 2021, 9, 223.	4.4	20
72	An Apparent Lack of Epidemiologic Association between Hepatitis C Virus Knowledge and the Prevalence of Hepatitis C Infection in a National Survey in Egypt. PLoS ONE, 2013, 8, e69803.	2.5	20

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73	Dynamics of non-cohabiting sex partnering in sub-Saharan Africa: a modelling study with implications for HIV transmission. Sexually Transmitted Infections, 2015, 91, 451-457.	1.9	19
74	Mapping of new HIV infections in Morocco and impact of select interventions. International Journal of Infectious Diseases, 2018, 68, 4-12.	3.3	17
75	Epidemiological Impact of Novel Preventive and Therapeutic HSV-2 Vaccination in the United States: Mathematical Modeling Analyses. Vaccines, 2020, 8, 366.	4.4	17
76	Prevention of type II diabetes mellitus in Qatar: Who is at risk?. Qatar Medical Journal, 2015, 2014, 70-81.	0.5	16
77	Does infection with Chlamydia trachomatis induce long-lasting partial immunity? Insights from mathematical modelling. Sexually Transmitted Infections, 2019, 95, 115-121.	1.9	16
78	Epidemiology of Treponema pallidum, Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, and herpes simplex virus type 2 among female sex workers in the Middle East and North Africa: systematic review and meta-analytics. Journal of Global Health, 2019, 9, 020408.	2.7	15
79	Analytic comparison between three high-throughput commercial SARS-CoV-2 antibody assays reveals minor discrepancies in a high-incidence population. Scientific Reports, 2021, 11, 11837.	3.3	14
80	Characterizing the historical role of parenteral antischistosomal therapy in hepatitis C virus transmission in Egypt. International Journal of Epidemiology, 2020, 49, 798-809.	1.9	13
81	Status of the HIV epidemic in key populations in the Middle East and north Africa: knowns and unknowns. Lancet HIV,the, 2022, 9, e506-e516.	4.7	11
82	Work and mental health: the case of older men living in underprivileged communities in Lebanon. Ageing and Society, 2010, 30, 25-40.	1.7	10
83	Developing capacities in aging studies in the Middle East: Implementation of an Arabic version of the CANE IV among community-dwelling older adults in Lebanon. Aging and Mental Health, 2011, 15, 605-617.	2.8	10
84	Key associations for hepatitis C virus genotypes in the Middle East and North Africa. Journal of Medical Virology, 2020, 92, 386-393.	5.0	10
85	Diagnosing type 2 diabetes using Hemoglobin A1c: a systematic review and meta-analysis of the diagnostic cutpoint based on microvascular complications. Acta Diabetologica, 2021, 58, 279-300.	2.5	10
86	Self-rated health disparities among disadvantaged older adults in ethnically diverse urban neighborhoods in a Middle Eastern country. Ethnicity and Health, 2017, 22, 490-509.	2.5	8
87	Analytic Characterization of the Herpes Simplex Virus Type 2 Epidemic in the United States, 1950â€“2050. Open Forum Infectious Diseases, 2021, 8, ofab218.	0.9	8
88	Estimating the annual risk of HIV transmission within HIV sero-discordant couples in sub-Saharan Africa. International Journal of Infectious Diseases, 2018, 66, 131-134.	3.3	7
89	Characterizing the effective reproduction number during the COVID-19 pandemic: Insights from Qatarâ€™s experience. Journal of Global Health, 2022, 12, 05004.	2.7	7
90	Reporting of RT-PCR cycle threshold (Ct) values during the first wave of COVID-19 in Qatar improved result interpretation in clinical and public health settings. Journal of Medical Microbiology, 2022, 71, .	1.8	7

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91	The importance of diabetes mellitus in the global epidemic of cardiovascular disease: the case of the state of Qatar. Transactions of the American Clinical and Climatological Association, 2012, 123, 193-207; discussion 207-8.	0.5	6
92	Characterizing HIV epidemiology in stable couples in Cambodia, the Dominican Republic, Haiti, and India. Epidemiology and Infection, 2016, 144, 90-96.	2.1	5
93	Global epidemiology ofNeisseria gonorrhoeaein infertile populations: protocol for a systematic review. BMJ Open, 2019, 9, e025808.	1.9	5
94	Hepatitis C Virus Infection in Populations With Liverâ€Related Diseases in the Middle East and North Africa. Hepatology Communications, 2020, 4, 577-587.	4.3	5
95	First characterisation of antimicrobial susceptibility and resistance of Neisseria gonorrhoeae isolates in Qatar, 2017â€“2020. PLoS ONE, 2022, 17, e0264737.	2.5	5
96	HIV incidence and impact of interventions among female sex workers and their clients in the Middle East and north Africa: a modelling study. Lancet HIV,the, 2022, 9, e496-e505.	4.7	5
97	Hepatitis C Virus in the Middle East and North Africa. , 2019, , 1-27.		4
98	Prevention during the epidemiologic shift to chronic illness: a case control study of risk factors associated with cardiovascular disease in Qatar. Journal of Local and Global Health Perspectives, 2013, 2013, .	0.4	3
99	HSV-2 as a biomarker of HIV epidemic potential in female sex workers: meta-analysis, global epidemiology and implications. Scientific Reports, 2020, 10, 19293.	3.3	3
100	Can the COVID-19 pandemic still be suppressed? Putting essential pieces together. Journal of Global Health Reports, 0, , .	1.0	3
101	Hepatitis C virus among blood donors and general population in Middle East and North Africa: Meta-analyses and meta-regressions. World Journal of Meta-analysis, 2022, 10, 12-24.	0.1	3
102	Development, translation, and validation of a bilingual questionnaire on unused medications in homes. Saudi Pharmaceutical Journal, 2021, 29, 648-655.	2.7	2
103	SARS-CoV-2 infection rates in air passengers arriving in Qatar. Journal of Travel Medicine, 2021, 28, .	3.0	2
104	Modeling the population-level impact of treatment on COVID-19 disease and SARS-CoV-2 transmission. Epidemics, 2022, 39, 100567.	3.0	2
105	Temporal evolution of HIV sero-discordancy patterns among stable couples in sub-Saharan Africa. PLoS ONE, 2018, 13, e0196613.	2.5	1
106	The HIV Epidemic in the Middle East and North Africa: Key Lessons. , 2021, , 3053-3079.		1
107	The HIV Epidemic in the Middle East and North Africa: Key Lessons. , 2020, , 1-27.		1
108	Assessing the performance of a serological point-of-care test in measuring detectable antibodies against SARS-CoV-2. PLoS ONE, 2022, 17, e0262897.	2.5	1

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109	Analyzing inherent biases in SARS-CoV-2 PCR and serological epidemiologic metrics. BMC Infectious Diseases, 2022, 22, 458.	2.9	1
110	P1-S1.16 Estimating HIV incidence rate among stable sexual partnerships in sub-Saharan Africa. Sexually Transmitted Infections, 2011, 87, A106-A106.	1.9	0
111	P10.15â€...The epidemiology of hepatitis c virus in afghanistan: a systematic review and meta-analysis. Sexually Transmitted Infections, 2015, 91, A170.2-A171.	1.9	0
112	Reply to Brijwal et al. Clinical Infectious Diseases, 2019, 68, 1784-1784.	5.8	0
113	Hepatitis C Virus in the Middle East and North Africa. , 2021, , 3027-3052.		0
114	Patterns of HIV Infection Among Spousal and Cohabiting Sexual Partnerships in Sub-Saharan Africa. Qatar Foundation Annual Research Forum Proceedings, 2011, , BMP24.	0.0	0
115	Variability in HIV infectiousness across Sub-Saharan Africa. , 2012, , .		0
116	HIV sero-discordancy can be predictive of HIV infectiousness in sub-Saharan Africa. , 2013, , .		0
117	Self-Rated Health Disparities Among Disadvantaged Older Adults in Ethnically-Diverse Urban Neighborhoods in a Middle Eastern Country. , 2016, , .		0