Maya L Petersen

List of Publications by Year
in descending order

86 papers	3,981 citations	159358 30 h-index	138251 58 g-index
89 all docs	89 docs citations	89 times ranked	5894 citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of Direct Causal Effects. Epidemiology, 2006, 17, 276-284.	1.2	304
2	Mortality prediction in intensive care units with the Super ICU Learner Algorithm (SICULA): a population-based study. Lancet Respiratory Medicine,the, 2015, 3, 42-52.	5.2	269
3	Spatiotemporal Prediction of Fine Particulate Matter During the 2008 Northern California Wildfires Using Machine Learning. Environmental Science & Technology, 2015, 49, 3887-3896.	4.6	201
4	HIV Testing and Treatment with the Use of a Community Health Approach in Rural Africa. New England Journal of Medicine, 2019, 381, 219-229.	13.9	174
5	Incidence, clinical outcomes, and transmission dynamics of severe coronavirus disease 2019 in California and Washington: prospective cohort study. BMJ, The, 2020, 369, m1923.	3.0	166
6	Causal Models and Learning from Data. Epidemiology, 2014, 25, 418-426.	1.2	137
7	Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach. Environmental Research, 2016, 150, 227-235.	3.7	136
8	Performance Characteristics of a Rapid Severe Acute Respiratory Syndrome Coronavirus 2 Antigen Detection Assay at a Public Plaza Testing Site in San Francisco. Journal of Infectious Diseases, 2021, 223, 1139-1144.	1.9	131
9	Men â€œmissingâ€•from population-based HIV testing: insights from qualitative research. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2016, 28, 67-73.	0.6	128
10	A hybrid mobile approach for population-wide HIV testing in rural east Africa: an observational study. Lancet HIV,the, 2016, 3, e111-e119.	2.1	127
11	Pillbox Organizers are Associated with Improved Adherence to HIV Antiretroviral Therapy and Viral Suppression: a Marginal Structural Model Analysis. Clinical Infectious Diseases, 2007, 45, 908-915.	2.9	126
12	Association of Implementation of a Universal Testing and Treatment Intervention With HIV Diagnosis, Receipt of Antiretroviral Therapy, and Viral Suppression in East Africa. JAMA - Journal of the American Medical Association, 2017, 317, 2196.	3.8	116
13	Long-term consequences of the delay between virologic failure of highly active antiretroviral therapy and regimen modification. Aids, 2008, 22, 2097-2106.	1.0	105
14	What do the Universal Test and Treat trials tell us about the path to HIV epidemic control?. Journal of the International AIDS Society, 2020, 23, e25455.	1.2	96
15	Community Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 Disproportionately Affects the Latinx Population During Shelter-in-Place in San Francisco. Clinical Infectious Diseases, 2021, 73, S127-S135.	2.9	94
16	Uptake, engagement, and adherence to pre-exposure prophylaxis offered after population HIV testing in rural Kenya and Uganda: 72-week interim analysis of observational data from the SEARCH study. Lancet HIV,the, 2020, 7, e249-e261.	2.1	94
17	Field Performance and Public Health Response Using the BinaxNOWTM Rapid Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antigen Detection Assay During Community-Based Testing. Clinical Infectious Diseases, 2021, 73, e3098-e3101.	2.9	87
18	â€œHow can I tell?â€•Consequences of HIV status disclosure among couples in eastern African communities in the context of an ongoing HIV â€œtest-and-treatâ€•trial. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2016, 28, 59-66.	0.6	81

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19	Understanding Demand for PrEP and Early Experiences of PrEP Use Among Young Adults in Rural Kenya and Uganda: A Qualitative Study. AIDS and Behavior, 2020, 24, 2149-2162.	1.4	65
20	Uptake of Community-Based HIV Testing during a Multi-Disease Health Campaign in Rural Uganda. PLoS ONE, 2014, 9, e84317.	1.1	61
21	High rates of viral suppression in adults and children with high CD4+ counts using a streamlined ART delivery model in the SEARCH trial in rural Uganda and Kenya. Journal of the International AIDS Society, 2017, 20, 21673.	1.2	57
22	A multi-component, community-based strategy to facilitate COVID-19 vaccine uptake among Latinx populations: From theory to practice. PLoS ONE, 2021, 16, e0257111.	1.1	57
23	Super Learner Analysis of Electronic Adherence Data Improves Viral Prediction and May Provide Strategies for Selective HIV RNA Monitoring. Journal of Acquired Immune Deficiency Syndromes (1999), 2015, 69, 109-118.	0.9	55
24	â€œHurdles on the path to 90-90-90 and beyondâ€ Qualitative analysis of barriers to engagement in HIV care among individuals in rural East Africa in the context of test-and-treat. PLoS ONE, 2018, 13, e0202990.	1.1	54
25	Evaluation of a novel community-based COVID-19 â€˜Test-to-Careâ€™ model for low-income populations. PLoS ONE, 2020, 15, e0239400.	1.1	51
26	History-adjusted Marginal Structural Models for Estimating Time-varying Effect Modification. American Journal of Epidemiology, 2007, 166, 985-993.	1.6	47
27	Using observational data to emulate a randomized trial of dynamic treatment-switching strategies: an application to antiretroviral therapy. International Journal of Epidemiology, 2016, 45, 2038-2049.	0.9	43
28	Machine Learning to Identify Persons at High-Risk of Human Immunodeficiency Virus Acquisition in Rural Kenya and Uganda. Clinical Infectious Diseases, 2020, 71, 2326-2333.	2.9	43
29	Gendered dimensions of population mobility associated with HIV across three epidemics in rural Eastern Africa. Health and Place, 2019, 57, 339-351.	1.5	38
30	HIV incidence after pre-exposure prophylaxis initiation among women and men at elevated HIV risk: A population-based study in rural Kenya and Uganda. PLoS Medicine, 2021, 18, e1003492.	3.9	35
31	Factors predictive of successful retention in care among HIV-infected men in a universal test-and-treat setting in Uganda and Kenya: A mixed methods analysis. PLoS ONE, 2019, 14, e0210126.	1.1	34
32	Observational Research on NCDs in HIV-Positive Populations. Journal of Acquired Immune Deficiency Syndromes (1999), 2014, 67, S8-S16.	0.9	33
33	Constrained binary classification using ensemble learning: an application to costâ€efficient targeted PrEP strategies. Statistics in Medicine, 2018, 37, 261-279.	0.8	32
34	Early Adopters of Human Immunodeficiency Virus Preexposure Prophylaxis in a Population-based Combination Prevention Study in Rural Kenya and Uganda. Clinical Infectious Diseases, 2018, 67, 1853-1860.	2.9	30
35	The epidemiology of chronic kidney disease (CKD) in rural East Africa: A population-based study. PLoS ONE, 2020, 15, e0229649.	1.1	27
36	Pathways for reduction of HIVâ€related stigma: a model derived from longitudinal qualitative research in Kenya and Uganda. Journal of the International AIDS Society, 2020, 23, e25647.	1.2	26

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37	Commentary. Epidemiology, 2014, 25, 898-901.	1.2	25
38	Specification of implementation interventions to address the cascade of HIV care and treatment in resource-limited settings: a systematic review. Implementation Science, 2017, 12, 102.	2.5	25
39	Costs of streamlined HIV care delivery in rural Ugandan and Kenyan clinics in the SEARCH Study. Aids, 2018, 32, 2179-2188.	1.0	24
40	Estimating the Comparative Effectiveness of Feeding Interventions in the Pediatric Intensive Care Unit: A Demonstration of Longitudinal Targeted Maximum Likelihood Estimation. American Journal of Epidemiology, 2017, 186, 1370-1379.	1.6	23
41	Personalized public health: An implementation research agenda for the HIV response and beyond. PLoS Medicine, 2019, 16, e1003020.	3.9	23
42	A Patient-Centered Multicomponent Strategy for Accelerated Linkage to Care Following Community-Wide HIV Testing in Rural Uganda and Kenya. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, 414-422.	0.9	23
43	A new approach to hierarchical data analysis: Targeted maximum likelihood estimation for the causal effect of a cluster-level exposure. Statistical Methods in Medical Research, 2019, 28, 1761-1780.	0.7	22
44	The COVID-19 Symptom to Isolation Cascade in a Latinx Community: A Call to Action. Open Forum Infectious Diseases, 2021, 8, ofab023.	0.4	22
45	Dimensions of HIV-related stigma in rural communities in Kenya and Uganda at the start of a large HIV â€˜test and treatâ€™ trial. PLoS ONE, 2021, 16, e0249462.	1.1	22
46	Population levels and geographical distribution of HIV RNA in rural Ugandan and Kenyan communities, including serodiscordant couples: a cross-sectional analysis. Lancet HIV,the, 2017, 4, e122-e133.	2.1	21
47	Evaluating the Impact of Zimbabweâ€™s Prevention of Mother-to-Child HIV Transmission Program: Population-Level Estimates of HIV-Free Infant Survival Pre-Option A. PLoS ONE, 2015, 10, e0134571.	1.1	20
48	Associations between alcohol use and HIV care cascade outcomes among adults undergoing population-based HIV testing in East Africa. Aids, 2020, 34, 405-413.	1.0	20
49	Cost-effectiveness of easy-access, risk-informed oral pre-exposure prophylaxis in HIV epidemics in sub-Saharan Africa: a modelling study. Lancet HIV,the, 2022, 9, e353-e362.	2.1	19
50	Virologic efficacy of boosted double versus boosted single protease inhibitor therapy. Aids, 2007, 21, 1547-1554.	1.0	17
51	Individualized treatment rules: Generating candidate clinical trials. Statistics in Medicine, 2007, 26, 4578-4601.	0.8	17
52	Evaluating the feasibility and uptake of a communityâ€led HIV testing and multiâ€disease health campaign in rural Uganda. Journal of the International AIDS Society, 2017, 20, 21514.	1.2	17
53	Gaps in the child tuberculosis care cascade in 32 rural communities in Uganda and Kenya. Journal of Clinical Tuberculosis and Other Mycobacterial Diseases, 2017, 9, 24-29.	0.6	16
54	Redemption of the â€œspoiled identity:â€•the role of <scp>HIV</scp>â€positive individuals in <scp>HIV</scp> care cascade interventions. Journal of the International AIDS Society, 2017, 20, e25023.	1.2	14

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55	Reaching 90–90–90 in rural communities in East Africa. Current Opinion in HIV and AIDS, 2019, 14, 449-454.	1.5	14
56	Super learner analysis of real-time electronically monitored adherence to antiretroviral therapy under constrained optimization and comparison to non-differentiated care approaches for persons living with HIV in rural Uganda. Journal of the International AIDS Society, 2020, 23, e25467.	1.2	12
57	Assessing HIV resistance in developing countries: Brazil as a case study. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2006, 19, 146-156.	0.6	12
58	Piloting an integrated SARS-CoV-2 testing and data system for outbreak containment among college students: A prospective cohort study. PLoS ONE, 2021, 16, e0245765.	1.1	11
59	Cross-validated bagged learning. Journal of Multivariate Analysis, 2007, 98, 1693-1704.	0.5	10
60	Far from MCAR. Epidemiology, 2020, 31, 620-627.	1.2	10
61	Effect of a patient-centered hypertension delivery strategy on all-cause mortality: Secondary analysis of SEARCH, a community-randomized trial in rural Kenya and Uganda. PLoS Medicine, 2021, 18, e1003803.	3.9	10
62	Feasibility and effectiveness of daily temperature screening to detect COVID-19 in a prospective cohort at a large public university. BMC Public Health, 2021, 21, 1693.	1.2	10
63	Petersen et al. Respond to "Effect Modification by Time-varying Covariates". American Journal of Epidemiology, 2007, 166, 1003-1004.	1.6	9
64	High Likelihood of Accepting COVID-19 Vaccine in a Latinx Community at High SARS-CoV-2 Risk in San Francisco. Open Forum Infectious Diseases, 2021, 8, ofab202.	0.4	9
65	Does HIV Pre-Exposure Prophylaxis Modify the Effect of Partnership Characteristics on Condom Use? A Cross-Sectional Study of Sexual Partnerships Among Men Who Have Sex with Men in San Francisco, California. AIDS Patient Care and STDs, 2019, 33, 167-174.	1.1	8
66	The age-specific burden and household and school-based predictors of child and adolescent tuberculosis infection in rural Uganda. PLoS ONE, 2020, 15, e0228102.	1.1	8
67	Mobile, Population-wide, Hybrid HIV Testing Strategy Increases Number of Children Tested in Rural Kenya and Uganda. Pediatric Infectious Disease Journal, 2018, 37, 1279-1281.	1.1	7
68	High CD4 counts associated with better economic outcomes for HIV-positive adults and their HIV-negative household members in the SEARCH Trial. PLoS ONE, 2018, 13, e0198912.	1.1	7
69	PEP for HIV prevention: are we missing opportunities to reduce new infections?. Journal of the International AIDS Society, 2022, 25, .	1.2	7
70	Outcomes Associated With Social Distancing Policies in St Louis, Missouri, During the Early Phase of the COVID-19 Pandemic. JAMA Network Open, 2021, 4, e2123374.	2.8	6
71	Predicting HIV Incidence in the SEARCH Trial: A Mathematical Modeling Study. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, 87, 1024-1031.	0.9	5
72	Improved Viral Suppression With Streamlined Care in the SEARCH Study. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 571-578.	0.9	5

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73	Rapid sociometric mapping of community health workers to identify opinion leaders using an SMS platform: a short report. Implementation Science, 2017, 12, 80.	2.5	4
74	Characteristics of HIV seroconverters in the setting of universal test and treat: Results from the SEARCH trial in rural Uganda and Kenya. PLoS ONE, 2021, 16, e0243167.	1.1	4
75	Costs of integrating hypertension care into HIV care in rural East African clinics. Aids, 2021, 35, 911-919.	1.0	4
76	Effect of universal HIV testing and treatment on socioeconomic wellbeing in rural Kenya and Uganda: a cluster-randomised controlled trial. The Lancet Global Health, 2022, 10, e96-e104.	2.9	4
77	SARS-CoV-2 vaccine boosters: The time to act is now. PLoS Medicine, 2021, 18, e1003882.	3.9	4
78	Transfusion Transmission of GB Virus Type C (HGV) In a Cohort of HIV Infected Patients. Blood, 2010, 116, 3341-3341.	0.6	3
79	Attitudes towards and experiences with economic incentives for engagement in HIV care and treatment: Qualitative insights from a randomized trial in Kenya. PLOS Global Public Health, 2022, 2, e0000204.	0.5	3
80	Integrating Rapid Diabetes Screening Into a Latinx Focused Community-Based Low-Barrier COVID-19 Testing Program. JAMA Network Open, 2022, 5, e2214163.	2.8	3
81	Network meta-analyses: powerful but not without perils. Lancet HIV,the, 2014, 1, e95-e96.	2.1	2
82	Population HIV viral load metrics for community health. Lancet HIV,the, 2021, 8, e523-e524.	2.1	2
83	Two or more significant life-events in 6-months are associated with lower rates of HIV treatment and virologic suppression among youth with HIV in Uganda and Kenya. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2023, 35, 95-105.	0.6	2
84	The optimal dynamic treatment rule superlearner: considerations, performance, and application to criminal justice interventions. International Journal of Biostatistics, 2022, .	0.4	1
85	High Parental Vaccine Motivation at a Neighborhood-Based Vaccine and Testing Site Serving a Predominantly Latinx Community. Health Equity, 2021, 5, 840-846.	0.8	0
86	Estimators for the value of the optimal dynamic treatment rule with application to criminal justice interventions. International Journal of Biostatistics, 2022, .	0.4	0