Dobromir Dimitrov

List of Publications by Year in descending order

29 papers	642 citations	758635 12 h-index	676716 22 g-index
36 all docs	36 docs citations	36 times ranked	851 citing authors

#	Article	IF	Citations
1	Optimizing vaccine allocation for COVID-19 vaccines shows the potential role of single-dose vaccination. Nature Communications, 2021, 12, 3449.	5.8	101
2	The potential effect of COVID-19-related disruptions on HIV incidence and HIV-related mortality among men who have sex with men in the USA: a modelling study. Lancet HIV,the, 2021, 8, e206-e215.	2.1	70
3	COVID-19 vaccines that reduce symptoms but do not block infection need higher coverage and faster rollout to achieve population impact. Scientific Reports, 2021, 11, 15531.	1.6	70
4	Efficacy dilution in randomized placebo-controlled vaginal microbicide trials. Emerging Themes in Epidemiology, 2009, 6, 5.	1.2	59
5	Heterosexual Anal Intercourse: A Neglected Risk Factor for <scp>HIV</scp>?. American Journal of Reproductive Immunology, 2013, 69, 95-105.	1.2	46
6	Widespread testing, case isolation and contact tracing may allow safe school reopening with continued moderate physical distancing: A modeling analysis of King County, WA data. Infectious Disease Modelling, 2021, 6, 24-35.	1.2	29
7	The future role of rectal and vaginal microbicides to prevent HIV infection in heterosexual populations: implications for product development and prevention. Sexually Transmitted Infections, 2011, 87, 646-653.	0.8	27
8	Dynamically consistent numerical methods for general productiveâ€“destructive systems. Journal of Difference Equations and Applications, 2011, 17, 1721-1736.	0.7	21
9	Impact of Pill Sharing on Drug Resistance Due to a Wide-Scale Oral Prep Intervention in Generalized Epidemics. Journal of AIDS & Clinical Research, 2013, 01, .	0.5	16
10	Are Clade Specific HIV Vaccines a Necessity? An Analysis Based on Mathematical Models. EBioMedicine, 2015, 2, 2062-2069.	2.7	14
11	Improvements in the HIV care continuum needed to meaningfully reduce HIV incidence among men who have sex with men in Baltimore, US: a modelling study for HPTN 078. Journal of the International AIDS Society, 2019, 22, e25246.	1.2	14
12	In what circumstances could nondaily preexposure prophylaxis for HIV substantially reduce program costs?. Aids, 2018, 32, 809-818.	1.0	13
13	Increases in HIV Incidence Following Receptive Anal Intercourse Among Women: A Systematic Review and Meta-analysis. AIDS and Behavior, 2020, 24, 667-681.	1.4	12
14	Analytic Review of Modeling Studies of ARV Based PrEP Interventions Reveals Strong Influence of Drug-Resistance Assumptions on the Population-Level Effectiveness. PLoS ONE, 2013, 8, e80927.	1.1	12
15	Mathematical Modeling of Vaccines That Prevent SARS-CoV-2 Transmission. Viruses, 2021, 13, 1921.	1.5	10
16	Understanding the HIV Epidemic Among MSM in Baltimore: A Modeling Study Estimating the Impact of Past HIV Interventions and Who Acquired and Contributed to Infections. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 253-262.	0.9	9
17	High Incidence Is Not High Exposure: What Proportion of Prevention Trial Participants Are Exposed to HIV?. PLoS ONE, 2015, 10, e0115528.	1.1	8
18	Dense and sparse aggregations in complex motion: Video coupled with simulation modeling. Ecological Complexity, 2010, 7, 69-75.	1.4	7

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19	Predicted Effectiveness of Daily and Nondaily Preexposure Prophylaxis for Men Who Have Sex With Men Based on Sex and Pill-taking Patterns From the Human Immuno Virus Prevention Trials Network 067/ADAPT Study. Clinical Infectious Diseases, 2020, 71, 249-255.	2.9	7
20	Model-Based Predictions of HIV Incidence Among African Women Using HIV Risk Behaviors and Community-Level Data on Male HIV Prevalence and Viral Suppression. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 423-429.	0.9	7
21	Rapid vaccination and partial lockdown minimize 4th waves from emerging highly contagious SARS-CoV-2 variants. Med, 2021, 2, 573-574.	2.2	7
22	Quantifying the Impact of Lifting Community Nonpharmaceutical Interventions for COVID-19 During Vaccination Rollout in the United States. Open Forum Infectious Diseases, 2021, 8, ofab341.	0.4	6
23	Population-Level Benefits from Providing Effective HIV Prevention Means to Pregnant Women in High Prevalence Settings. PLoS ONE, 2013, 8, e73770.	1.1	6
24	Influence of model assumptions about HIV disease progression after initiating or stopping treatment on estimates of infections and deaths averted by scaling up antiretroviral therapy. PLoS ONE, 2018, 13, e0194220.	1.1	5
25	Effects of immune system diversity and physical variation ofimmunotypic mixing on the dynamics of rabies in bats. Journal of Biological Dynamics, 2009, 3, 164-179.	0.8	4
26	How can progress towards Ending the HIV Epidemic in the United States be monitored?. Clinical Infectious Diseases, 2021, , .	2.9	4
27	Improving vaccination coverage and offering vaccine to all school-age children allowed uninterrupted in-person schooling in King County, WA: Modeling analysis. Mathematical Biosciences and Engineering, 2022, 19, 5699-5716.	1.0	2
28	Assessing the Public Health Impact of HIV Interventions. Journal of Acquired Immune Deficiency Syndromes (1999), 2014, 66, e60-e62.	0.9	1
29	Assessing the use of surveillance data to estimate the impact of prevention interventions on HIV incidence in cluster-randomized controlled trials. Epidemics, 2020, 33, 100423.	1.5	1