

# Dobromir Dimitrov

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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         |
| 2  | 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        |
| 3  | 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, 2021, 8, e206-e215.  | 2.1 | 70        |
| 4  | Rapid vaccination and partial lockdown minimize 4th waves from emerging highly contagious SARS-CoV-2 variants. Med, 2021, 2, 573-574.   | 2.2 | 7         |
| 5  | 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         |
| 6  | Optimizing vaccine allocation for COVID-19 vaccines shows the potential role of single-dose vaccination. Nature Communications, 2021, 12, 3449.   | 5.8 | 101       |
| 7  | 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        |
| 8  | Mathematical Modeling of Vaccines That Prevent SARS-CoV-2 Transmission. Viruses, 2021, 13, 1921.  | 1.5 | 10        |
| 9  | How can progress towards Ending the HIV Epidemic in the United States be monitored?. Clinical Infectious Diseases, 2021, , .  | 2.9 | 4         |
| 10 | 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        |
| 11 | 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         |
| 12 | 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         |
| 13 | 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         |
| 14 | 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         |
| 15 | 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        |
| 16 | In what circumstances could nondaily preexposure prophylaxis for HIV substantially reduce program costs?. Aids, 2018, 32, 809-818.  | 1.0 | 13        |
| 17 | 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         |
| 18 | Are Clade Specific HIV Vaccines a Necessity? An Analysis Based on Mathematical Models. EBioMedicine, 2015, 2, 2062-2069.  | 2.7 | 14        |

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|----|---|-----|-----------|
| 19 | High Incidence Is Not High Exposure: What Proportion of Prevention Trial Participants Are Exposed to HIV?. PLoS ONE, 2015, 10, e0115528.  | 1.1 | 8         |
| 20 | Assessing the Public Health Impact of HIV Interventions. Journal of Acquired Immune Deficiency Syndromes (1999), 2014, 66, e60-e62.   | 0.9 | 1         |
| 21 | Heterosexual Anal Intercourse: A Neglected Risk Factor for <scp>HIV</scp>?. American Journal of Reproductive Immunology, 2013, 69, 95-105.  | 1.2 | 46        |
| 22 | Population-Level Benefits from Providing Effective HIV Prevention Means to Pregnant Women in High Prevalence Settings. PLoS ONE, 2013, 8, e73770.   | 1.1 | 6         |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | Dynamically consistent numerical methods for general productiveâ€“destructive systems. Journal of Difference Equations and Applications, 2011, 17, 1721-1736.   | 0.7 | 21        |
| 27 | Dense and sparse aggregations in complex motion: Video coupled with simulation modeling. Ecological Complexity, 2010, 7, 69-75.   | 1.4 | 7         |
| 28 | Effects of immune system diversity and physical variation of immunotypic mixing on the dynamics of rabies in bats. Journal of Biological Dynamics, 2009, 3, 164-179.  | 0.8 | 4         |
| 29 | Efficacy dilution in randomized placebo-controlled vaginal microbicide trials. Emerging Themes in Epidemiology, 2009, 6, 5.   | 1.2 | 59        |