David P Wilson

List of Publications by Year
in descending order

66 papers	2,374 citations	304701 22 h-index	206102 48 g-index
67 all docs	67 docs citations	67 times ranked	3238 citing authors

#	Article	IF	Citations
1	Relation between HIV viral load and infectiousness: a model-based analysis. Lancet, The, 2008, 372, 314-320.	13.7	324
2	Per-contact probability of HIV transmission in homosexual men in Sydney in the era of HAART. Aids, 2010, 24, 907-913.	2.2	228
3	Health benefits, costs, and cost-effectiveness of earlier eligibility for adult antiretroviral therapy and expanded treatment coverage: a combined analysis of 12 mathematical models. The Lancet Global Health, 2014, 2, e23-e34.	6.3	188
4	Importance of promoting HIV testing for preventing secondary transmissions: modelling the Australian HIV epidemic among men who have sex with men. Sexual Health, 2009, 6, 19.	0.9	141
5	HIV among People Who Inject Drugs in the Middle East and North Africa: Systematic Review and Data Synthesis. PLoS Medicine, 2014, 11, e1001663.	8.4	139
6	HIV Treatment as Prevention: Natural Experiments Highlight Limits of Antiretroviral Treatment as HIV Prevention. PLoS Medicine, 2012, 9, e1001231.	8.4	117
7	The cost-effectiveness of harm reduction. International Journal of Drug Policy, 2015, 26, S5-S11.	3.3	109
8	Optima. Journal of Acquired Immune Deficiency Syndromes (1999), 2015, 69, 365-376.	2.1	84
9	Estimating the cost-effectiveness of needle-syringe programs in Australia. Aids, 2012, 26, 2201-2210.	2.2	79
10	Serosorting May Increase the Risk of HIV Acquisition Among Men Who Have Sex With Men. Sexually Transmitted Diseases, 2010, 37, 13-17.	1.7	67
11	The Impact of Needle and Syringe Programs on HIV and HCV Transmissions in Injecting Drug Users in Australia: A Model-Based Analysis. Journal of Acquired Immune Deficiency Syndromes (1999), 2009, 51, 462-469.	2.1	65
12	Modeling the Impact of Potential Vaccines on Epidemics of Sexually Transmitted *Chlamydia trachomatis* Infection. Journal of Infectious Diseases, 2009, 199, 1680-1688.	4.0	64
13	The paradoxical effects of using antiretroviral-based microbicides to control HIV epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9835-9840.	7.1	61
14	Designing Equitable Antiretroviral Allocation Strategies in Resource-Constrained Countries. PLoS Medicine, 2005, 2, e50.	8.4	46
15	Is it time to switch to doxycycline from azithromycin for treating genital chlamydial infections in women? Modelling the impact of autoinoculation from the gastrointestinal tract to the genital tract. BMC Infectious Diseases, 2015, 15, 200.	2.9	39
16	HIV Treatment as Prevention: Principles of Good HIV Epidemiology Modelling for Public Health Decision-Making in All Modes of Prevention and Evaluation. PLoS Medicine, 2012, 9, e1001239.	8.4	38
17	Protocol for an HIV Pre-exposure Prophylaxis (PrEP) Population Level Intervention Study in Victoria Australia: The PrEPX Study. Frontiers in Public Health, 2018, 6, 151.	2.7	35
18	Scaling up of HIV treatment for men who have sex with men in Bangkok: a modelling and costing study. Lancet HIV,the, 2015, 2, e200-e207.	4.7	34

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19	Chemoprophylaxis Is Likely to Be Acceptable and Could Mitigate Syphilis Epidemics Among Populations of Gay Men. Sexually Transmitted Diseases, 2011, 38, 573-579.	1.7	32
20	Achieving 90-90-90 Human Immunodeficiency Virus (HIV) Targets Will Not Be Enough to Achieve the HIV Incidence Reduction Target in Australia. Clinical Infectious Diseases, 2018, 66, 1019-1023.	5.8	28
21	Needle and syringe programs in Yunnan, China yield health and financial return. BMC Public Health, 2011, 11, 250.	2.9	26
22	How far will we need to go to reach HIV-infected people in rural South Africa?. BMC Medicine, 2007, 5, 16.	5.5	25
23	Cost and cost‐effectiveness analysis of pre‐exposure prophylaxis among men who have sex with men in two hospitals in Thailand. Journal of the International AIDS Society, 2018, 21, e25129.	3.0	25
24	Predicting the population impact of increased HIV testing and treatment in Australia. Sexual Health, 2014, 11, 146.	0.9	22
25	Using mathematical modelling to help explain the differential increase in HIV incidence in New South Wales, Victoria and Queensland: importance of other sexually transmissible infections. Sexual Health, 2008, 5, 169.	0.9	19
26	Sex workers can be screened too often: a cost-effectiveness analysis in Victoria, Australia. Sexually Transmitted Infections, 2010, 86, 117-125.	1.9	18
27	Economic evaluation of monitoring virologic responses to antiretroviral therapy in HIV-infected children in resource-limited settings. Aids, 2011, 25, 1143-1151.	2.2	18
28	Estimating the Infectivity of CCR5-Tropic Simian Immunodeficiency Virus SIV mac251 in the Gut. Journal of Virology, 2007, 81, 8025-8029.	3.4	16
29	HIV incidence trends vary between jurisdictions in Australia: an extended back-projection analysis of men who have sex with men. Sexual Health, 2012, 9, 138.	0.9	16
30	Control of Trachoma in Australia: A Model Based Evaluation of Current Interventions. PLoS Neglected Tropical Diseases, 2015, 9, e0003474.	3.0	15
31	Optimization by Adaptive Stochastic Descent. PLoS ONE, 2018, 13, e0192944.	2.5	15
32	Kinematics of Intracellular Chlamydiae Provide Evidence for Contact-Dependent Development. Journal of Bacteriology, 2009, 191, 5734-5742.	2.2	14
33	Chlamydial infection and spatial ascension of the female genital tract: a novel hybrid cellular automata and continuum mathematical model. FEMS Immunology and Medical Microbiology, 2009, 57, 173-182.	2.7	14
34	Interpreting sexually transmissible infection prevention trials by adjusting for the magnitude of exposure. Clinical Trials, 2010, 7, 36-43.	1.6	14
35	Optimal allocation of HIV resources among geographical regions. BMC Public Health, 2019, 19, 1509.	2.9	14
36	How low can you go: the impact of a modestly effective HIV vaccine compared with male circumcision. Aids, 2010, 24, 2573-2578.	2.2	13

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37	The economics, financing and implementation of HIV treatment as prevention: What will it take to get there?. African Journal of AIDS Research, 2014, 13, 109-119.	0.9	13
38	A 5-year Chlamydia vaccination programme could reverse disease-related koala population decline: Predictions from a mathematical model using field data. Vaccine, 2014, 32, 4163-4170.	3.8	13
39	Estimating the Cost-Effectiveness of HIV Prevention Programmes in Vietnam, 2006-2010: A Modelling Study. PLoS ONE, 2015, 10, e0133171.	2.5	13
40	Ocular Pathologic Response Elicited byChlamydiaOrganisms and the Predictive Value of Quantitative Modeling. Journal of Infectious Diseases, 2009, 199, 1780-1789.	4.0	12
41	Who Pays and Why? Costs, Effectiveness, and Feasibility of HIV Treatment as Prevention. Clinical Infectious Diseases, 2014, 59, S28-S31.	5.8	12
42	Replacement of conventional HIV testing with rapid testing: mathematical modelling to predict the impact on further HIV transmission between men. Sexually Transmitted Infections, 2011, 87, 588-593.	1.9	11
43	Spending of HIV resources in Asia and Eastern Europe: systematic review reveals the need to shift funding allocations towards priority populations. Journal of the International AIDS Society, 2014, 17, 18822.	3.0	10
44	Optimizing HIV/AIDS resources in Armenia: increasing ART investment and examining HIV programmes for seasonal migrant labourers. Journal of the International AIDS Society, 2016, 19, 20772.	3.0	10
45	Mathematical models and health economic aspects of microbicides. Current Opinion in HIV and AIDS, 2008, 3, 587-592.	3.8	9
46	Evidence is still required for treatment as prevention for riskier routes of HIV transmission. Aids, 2010, 24, 2891-2892.	2.2	9
47	Kazakhstan can achieve ambitious HIV targets despite expected donor withdrawal by combining improved ART procurement mechanisms with allocative and implementation efficiencies. PLoS ONE, 2017, 12, e0169530.	2.5	8
48	A reality check for aspirational targets to end HIV. Lancet HIV,the, 2015, 2, e11.	4.7	6
49	Modelling based on Australian HIV notifications data suggests homosexual age mixing is primarily assortative. Journal of Acquired Immune Deficiency Syndromes (1999), 2009, 51, 356-60.	2.1	6
50	Characteristics of HIV epidemics driven by men who have sex with men and people who inject drugs. Current Opinion in HIV and AIDS, 2011, 6, 94-101.	3.8	5
51	The funding landscape for HIV in Asia and the Pacific. Journal of the International AIDS Society, 2015, 18, 20004.	3.0	5
52	Allocative and implementation efficiency in HIV prevention and treatment for people who inject drugs. International Journal of Drug Policy, 2016, 38, 73-80.	3.3	5
53	A novel cellular automata-partial differential equation model for understanding chlamydial infection and ascension of the female genital tract. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2120001-2120002.	0.2	4
54	HIV antiretroviral prophylaxis for injecting drug users. Lancet, The, 2013, 382, 854-855.	13.7	3

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55	Target cell limitation constrains chlamydial load in persistent infections: results from mathematical modelling applied to mouse genital tract infection data. Pathogens and Disease, 2014, 73, n/a-n/a.	2.0	3
56	Can we know in advance whether models will get it right?. The Lancet Global Health, 2015, 3, e577-e578.	6.3	3
57	A no-brainer for ending AIDS: the case for a harm reduction decade. Journal of the International AIDS Society, 2016, 19, 21129.	3.0	3
58	Access to antiretroviral therapy and survival in eastern Europe and central Asia: a case study in Armenia. Journal of the International AIDS Society, 2014, 17, 18795.	3.0	2
59	Declining prevalence of undiagnosed HIV in Melbourne: results from communityâ€based bioâ€behavioural studies of gay and bisexual men. Australian and New Zealand Journal of Public Health, 2018, 42, 57-61.	1.8	2
60	Feasible HCV targets in Egypt. The Lancet Global Health, 2014, 2, e687.	6.3	1
61	Optima attempts to objectively and pragmatically assist countries meet their targets most efficiently and effectively. Journal of the International AIDS Society, 2018, 21, e25190.	3.0	1
62	The influence of constraints on the efficient allocation of resources for HIV prevention. Aids, 2019, 33, 1949-1950.	2.2	1
63	Biomathematical Modeling of Chlamydia Infection and Disease. , 0, , 352-379.		1
64	Cost-Effectiveness 2.0: Improving Allocative Efficiency with Decision Science Analytics. , 2020, , 27-56.		1
65	Letter to the Editor re: In Vivo Whole Animal Body Imaging Reveals Colonization of Chlamydia muridarum to the Lower Genital Tract at Early Stages of Infection. Molecular Imaging and Biology, 2014, 16, 605-605.	2.6	0
66	Kazakhstan: Achieving Ambitious HIV Targets through Efficient Spending. , 2020, , 129-153.		0