

David P Wilson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66
papers

2,010
citations

21
h-index

44
g-index

67
ext. papers

2,202
ext. citations

6.3
avg, IF

4.75
L-index

#	Paper	IF	Citations
66	Kazakhstan: Achieving Ambitious HIV Targets through Efficient Spending 2020 , 129-153		
65	Cost-Effectiveness 2.0: Improving Allocative Efficiency with Decision Science Analytics 2020 , 27-56		0
64	Optimal allocation of HIV resources among geographical regions. <i>BMC Public Health</i> , 2019 , 19, 1509	4.1	4
63	The influence of constraints on the efficient allocation of resources for HIV prevention. <i>Aids</i> , 2019 , 33, 1949-1950	3.5	1
62	Achieving 90-90-90 Human Immunodeficiency Virus (HIV) Targets Will Not Be Enough to Achieve the HIV Incidence Reduction Target in Australia. <i>Clinical Infectious Diseases</i> , 2018 , 66, 1019-1023	11.6	20
61	Declining prevalence of undiagnosed HIV in Melbourne: results from community-based bio-behavioural studies of gay and bisexual men. <i>Australian and New Zealand Journal of Public Health</i> , 2018 , 42, 57-61	2.3	1
60	Protocol for an HIV Pre-exposure Prophylaxis (PrEP) Population Level Intervention Study in Victoria Australia: The PrEPX Study. <i>Frontiers in Public Health</i> , 2018 , 6, 151	6	27
59	Cost and cost-effectiveness analysis of pre-exposure prophylaxis among men who have sex with men in two hospitals in Thailand. <i>Journal of the International AIDS Society</i> , 2018 , 21 Suppl 5, e25129	5.4	13
58	Optimization by Adaptive Stochastic Descent. <i>PLoS ONE</i> , 2018 , 13, e0192944	3.7	13
57	"Optima attempts to objectively and pragmatically assist countries meet their targets most efficiently and effectively". <i>Journal of the International AIDS Society</i> , 2018 , 21, e25190	5.4	1
56	Kazakhstan can achieve ambitious HIV targets despite expected donor withdrawal by combining improved ART procurement mechanisms with allocative and implementation efficiencies. <i>PLoS ONE</i> , 2017 , 12, e0169530	3.7	8
55	Optimizing HIV/AIDS resources in Armenia: increasing ART investment and examining HIV programmes for seasonal migrant labourers. <i>Journal of the International AIDS Society</i> , 2016 , 19, 20772	5.4	10
54	Allocative and implementation efficiency in HIV prevention and treatment for people who inject drugs. <i>International Journal of Drug Policy</i> , 2016 , 38, 73-80	5.5	3
53	A no-brainer for ending AIDS: the case for a harm reduction decade. <i>Journal of the International AIDS Society</i> , 2016 , 19, 21129	5.4	3
52	The cost-effectiveness of harm reduction. <i>International Journal of Drug Policy</i> , 2015 , 26 Suppl 1, S5-11	5.5	84
51	Control of trachoma in Australia: a model based evaluation of current interventions. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003474	4.8	12
50	Scaling up of HIV treatment for men who have sex with men in Bangkok: a modelling and costing study. <i>Lancet HIV</i> , 2015 , 2, e200-7	7.8	26

49	Can we know in advance whether models will get it right?. <i>The Lancet Global Health</i> , 2015 , 3, e577-8	13.6	1
48	Optima: A Model for HIV Epidemic Analysis, Program Prioritization, and Resource Optimization. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015 , 69, 365-76	3.1	62
47	The funding landscape for HIV in Asia and the Pacific. <i>Journal of the International AIDS Society</i> , 2015 , 18, 20004	5.4	4
46	Estimating the Cost-Effectiveness of HIV Prevention Programmes in Vietnam, 2006-2010: A Modelling Study. <i>PLoS ONE</i> , 2015 , 10, e0133171	3.7	9
45	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. <i>BMC Infectious Diseases</i> , 2015 , 15, 200	4	33
44	A reality check for aspirational targets to end HIV. <i>Lancet HIV,the</i> , 2015 , 2, e11	7.8	6
43	Target cell limitation constrains chlamydial load in persistent infections: results from mathematical modelling applied to mouse genital tract infection data. <i>Pathogens and Disease</i> , 2015 , 73, 1-8	4.2	2
42	Who pays and why? Costs, effectiveness, and feasibility of HIV treatment as prevention. <i>Clinical Infectious Diseases</i> , 2014 , 59 Suppl 1, S28-31	11.6	12
41	A 5-year Chlamydia vaccination programme could reverse disease-related koala population decline: predictions from a mathematical model using field data. <i>Vaccine</i> , 2014 , 32, 4163-70	4.1	10
40	Predicting the population impact of increased HIV testing and treatment in Australia. <i>Sexual Health</i> , 2014 , 11, 146-54	2	19
39	Spending of HIV resources in Asia and Eastern Europe: systematic review reveals the need to shift funding allocations towards priority populations. <i>Journal of the International AIDS Society</i> , 2014 , 17, 18822	5.4	8
38	Access to antiretroviral therapy and survival in eastern Europe and central Asia: a case study in Armenia. <i>Journal of the International AIDS Society</i> , 2014 , 17, 18795	5.4	2
37	The economics, financing and implementation of HIV treatment as prevention: what will it take to get there?. <i>African Journal of AIDS Research</i> , 2014 , 13, 109-19	1.8	10
36	HIV among people who inject drugs in the Middle East and North Africa: systematic review and data synthesis. <i>PLoS Medicine</i> , 2014 , 11, e1001663	11.6	116
35	Feasible HCV targets in Egypt. <i>The Lancet Global Health</i> , 2014 , 2, e687	13.6	1
34	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. <i>Molecular Imaging and Biology</i> , 2014 , 16, 605	3.8	
33	Health benefits, costs, and cost-effectiveness of earlier eligibility for adult antiretroviral therapy and expanded treatment coverage: a combined analysis of 12 mathematical models. <i>The Lancet Global Health</i> , 2013 , 2, 23-34	13.6	160
32	HIV antiretroviral prophylaxis for injecting drug users. <i>Lancet, The</i> , 2013 , 382, 854-5	40	3

31	HIV incidence trends vary between jurisdictions in Australia: an extended back-projection analysis of men who have sex with men. <i>Sexual Health</i> , 2012 , 9, 138-43	2	15
30	HIV treatment as prevention: principles of good HIV epidemiology modelling for public health decision-making in all modes of prevention and evaluation. <i>PLoS Medicine</i> , 2012 , 9, e1001239	11.6	25
29	HIV treatment as prevention: natural experiments highlight limits of antiretroviral treatment as HIV prevention. <i>PLoS Medicine</i> , 2012 , 9, e1001231	11.6	102
28	Estimating the cost-effectiveness of needle-syringe programs in Australia. <i>Aids</i> , 2012 , 26, 2201-10	3.5	67
27	Needle and syringe programs in Yunnan, China yield health and financial return. <i>BMC Public Health</i> , 2011 , 11, 250	4.1	25
26	Chemoprophylaxis is likely to be acceptable and could mitigate syphilis epidemics among populations of gay men. <i>Sexually Transmitted Diseases</i> , 2011 , 38, 573-9	2.4	24
25	Characteristics of HIV epidemics driven by men who have sex with men and people who inject drugs. <i>Current Opinion in HIV and AIDS</i> , 2011 , 6, 94-101	4.2	4
24	Economic evaluation of monitoring virologic responses to antiretroviral therapy in HIV-infected children in resource-limited settings. <i>Aids</i> , 2011 , 25, 1143-51	3.5	17
23	Replacement of conventional HIV testing with rapid testing: mathematical modelling to predict the impact on further HIV transmission between men. <i>Sexually Transmitted Infections</i> , 2011 , 87, 588-93	2.8	10
22	Interpreting sexually transmissible infection prevention trials by adjusting for the magnitude of exposure. <i>Clinical Trials</i> , 2010 , 7, 36-43	2.2	11
21	Sex workers can be screened too often: a cost-effectiveness analysis in Victoria, Australia. <i>Sexually Transmitted Infections</i> , 2010 , 86, 117-25	2.8	16
20	Per-contact probability of HIV transmission in homosexual men in Sydney in the era of HAART. <i>Aids</i> , 2010 , 24, 907-13	3.5	202
19	Serosorting may increase the risk of HIV acquisition among men who have sex with men. <i>Sexually Transmitted Diseases</i> , 2010 , 37, 13-7	2.4	57
18	How low can you go: the impact of a modestly effective HIV vaccine compared with male circumcision. <i>Aids</i> , 2010 , 24, 2573-8	3.5	13
17	Evidence is still required for treatment as prevention for riskier routes of HIV transmission. <i>Aids</i> , 2010 , 24, 2891-2; author reply 2892-3	3.5	9
16	Importance of promoting HIV testing for preventing secondary transmissions: modelling the Australian HIV epidemic among men who have sex with men. <i>Sexual Health</i> , 2009 , 6, 19-33	2	132
15	Kinematics of intracellular chlamydiae provide evidence for contact-dependent development. <i>Journal of Bacteriology</i> , 2009 , 191, 5734-42	3.5	11
14	The impact of needle and syringe programs on HIV and HCV transmissions in injecting drug users in Australia: a model-based analysis. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2009 , 51, 462-9	3.1	62

13	Ocular pathologic response elicited by Chlamydia organisms and the predictive value of quantitative modeling. <i>Journal of Infectious Diseases</i> , 2009 , 199, 1780-9	7	12
12	Modeling the impact of potential vaccines on epidemics of sexually transmitted Chlamydia trachomatis infection. <i>Journal of Infectious Diseases</i> , 2009 , 199, 1680-8	7	53
11	Chlamydial infection and spatial ascension of the female genital tract: a novel hybrid cellular automata and continuum mathematical model. <i>FEMS Immunology and Medical Microbiology</i> , 2009 , 57, 173-82		14
10	Modelling based on Australian HIV notifications data suggests homosexual age mixing is primarily assortative. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2009 , 51, 356-60	3.1	6
9	Relation between HIV viral load and infectiousness: a model-based analysis. <i>Lancet, The</i> , 2008 , 372, 314-20	40	277
8	The paradoxical effects of using antiretroviral-based microbicides to control HIV epidemics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9835-40	11.5	58
7	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. <i>Sexual Health</i> , 2008 , 5, 169-87	2	18
6	Mathematical models and health economic aspects of microbicides. <i>Current Opinion in HIV and AIDS</i> , 2008 , 3, 587-92	4.2	7
5	A novel cellular automata-partial differential equation model for understanding chlamydial infection and ascension of the female genital tract. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 2120001-2120002	0.2	3
4	How far will we need to go to reach HIV-infected people in rural South Africa?. <i>BMC Medicine</i> , 2007 , 5, 16	11.4	21
3	Estimating the infectivity of CCR5-tropic simian immunodeficiency virus SIV(mac251) in the gut. <i>Journal of Virology</i> , 2007 , 81, 8025-9	6.6	15
2	Designing equitable antiretroviral allocation strategies in resource-constrained countries. <i>PLoS Medicine</i> , 2005 , 2, e50	11.6	39
1	Biomathematical Modeling of Chlamydia Infection and Disease		352-379 1