

Manoj Gambhir

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,376
citations

172386

29
h-index

168321

53
g-index

94
all docs

94
docs citations

94
times ranked

5226
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimates of the reproduction number for seasonal, pandemic, and zoonotic influenza: a systematic review of the literature. <i>BMC Infectious Diseases</i> , 2014, 14, 480.	1.3	423
2	Sensitivity analysis of infectious disease models: methods, advances and their application. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20121018.	1.5	196
3	Duration of Immunity to Norovirus Gastroenteritis. <i>Emerging Infectious Diseases</i> , 2013, 19, 1260-1267.	2.0	165
4	Floppy Modes in Crystalline and Amorphous Silicates. <i>Physical Review Letters</i> , 1997, 78, 1070-1073.	2.9	123
5	Understanding Reduced Rotavirus Vaccine Efficacy in Low Socio-Economic Settings. <i>PLoS ONE</i> , 2012, 7, e41720.	1.1	115
6	Ebola virus disease and social media: A systematic review. <i>American Journal of Infection Control</i> , 2016, 44, 1660-1671.	1.1	93
7	The Development of an Age-Structured Model for Trachoma Transmission Dynamics, Pathogenesis and Control. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e462.	1.3	89
8	Causal diagrams in systems epidemiology. <i>Emerging Themes in Epidemiology</i> , 2012, 9, 1.	1.2	88
9	A Research Agenda for Helminth Diseases of Humans: Modelling for Control and Elimination. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1548.	1.3	85
10	A Change in Vaccine Efficacy and Duration of Protection Explains Recent Rises in Pertussis Incidence in the United States. <i>PLoS Computational Biology</i> , 2015, 11, e1004138.	1.5	85
11	Observed Reductions in <i>Schistosoma mansoni</i> Transmission from Large-Scale Administration of Praziquantel in Uganda: A Mathematical Modelling Study. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e897.	1.3	76
12	Complex Ecological Dynamics and Eradicability of the Vector Borne Macroparasitic Disease, Lymphatic Filariasis. <i>PLoS ONE</i> , 2008, 3, e2874.	1.1	71
13	Agrochemicals increase risk of human schistosomiasis by supporting higher densities of intermediate hosts. <i>Nature Communications</i> , 2018, 9, 837.	5.8	71
14	Epidemiologic Implications of Asymptomatic Reinfection: A Mathematical Modeling Study of Norovirus. <i>American Journal of Epidemiology</i> , 2014, 179, 507-512.	1.6	70
15	Deaths averted by influenza vaccination in the U.S. during the seasons 2005/06 through 2013/14. <i>Vaccine</i> , 2015, 33, 3003-3009.	1.7	69
16	Geographic and ecologic heterogeneity in elimination thresholds for the major vector-borne helminthic disease, lymphatic filariasis. <i>BMC Biology</i> , 2010, 8, 22.	1.7	67
17	Agent-based models of malaria transmission: a systematic review. <i>Malaria Journal</i> , 2018, 17, 299.	0.8	66
18	Statistical power and validity of Ebola vaccine trials in Sierra Leone: a simulation study of trial design and analysis. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 703-710.	4.6	64

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19	Adherence and Persistence Among Statin Users Aged 65 Years and Over: A Systematic Review and Meta-analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 813-819.	1.7	63
20	Modelling the distribution and transmission intensity of lymphatic filariasis in sub-Saharan Africa prior to scaling up interventions: integrated use of geostatistical and mathematical modelling. <i>Parasites and Vectors</i> , 2015, 8, 560.	1.0	62
21	Investigating spatiotemporal dynamics and synchrony of influenza epidemics in Australia: An agent-based modelling approach. <i>Simulation Modelling Practice and Theory</i> , 2018, 87, 412-431.	2.2	62
22	<i>Neisseria gonorrhoeae</i> Transmission Among Men Who Have Sex With Men: An Anatomical Site-Specific Mathematical Model Evaluating the Potential Preventive Impact of Mouthwash. <i>Sexually Transmitted Diseases</i> , 2017, 44, 586-592.	0.8	54
23	A Systematic Review and Meta-analysis of the Factors Associated With Nonadherence and Discontinuation of Statins Among People Aged ≥65 Years. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 798-805.	1.7	46
24	Trachoma: transmission, infection, and control. <i>Lancet Infectious Diseases</i> , The, 2007, 7, 420-427.	4.6	45
25	Estimating Household and Community Transmission of Ocular <i>Chlamydia trachomatis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e401.	1.3	42
26	Anatomy of a structural phase transition: theoretical analysis of the displacive phase transition in quartz and other silicates. <i>Physics and Chemistry of Minerals</i> , 1999, 26, 344-353.	0.3	38
27	Targeted human papillomavirus vaccination for young men who have sex with men in Australia yields significant population benefits and is cost-effective. <i>Vaccine</i> , 2017, 35, 4923-4929.	1.7	38
28	Distortions of framework structures. <i>Phase Transitions</i> , 1996, 58, 121-143.	0.6	37
29	Estimates of the Number of Human Infections With Influenza A(H3N2) Variant Virus, United States, August 2011–April 2012. <i>Clinical Infectious Diseases</i> , 2013, 57, S12-S15.	2.9	33
30	Serological Measures of Trachoma Transmission Intensity. <i>Scientific Reports</i> , 2015, 5, 18532.	1.6	33
31	School dismissal as a pandemic influenza response: When, where and for how long?. <i>Epidemics</i> , 2019, 28, 100348.	1.5	32
32	Estimating Direct and Indirect Protective Effect of Influenza Vaccination in the United States. <i>American Journal of Epidemiology</i> , 2017, 186, 92-100.	1.6	31
33	Modeling the potential impact of vaccination on the epidemiology of congenital cytomegalovirus infection. <i>Vaccine</i> , 2014, 32, 3780-3786.	1.7	30
34	Standardizing Scenarios to Assess the Need to Respond to an Influenza Pandemic. <i>Clinical Infectious Diseases</i> , 2015, 60, S1-S8.	2.9	29
35	Estimating the Potential Effects of a Vaccine Program Against an Emerging Influenza Pandemic—United States. <i>Clinical Infectious Diseases</i> , 2015, 60, S20-S29.	2.9	27
36	Emerging Infectious Diseases and Blood Safety: Modeling the Transfusion-Transmission Risk. <i>Transfusion Medicine Reviews</i> , 2017, 31, 154-164.	0.9	27

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37	The role of super-spreading events in Mycobacterium tuberculosis transmission: evidence from contact tracing. BMC Infectious Diseases, 2019, 19, 244.	1.3	27
38	Targeting pediatric versus elderly populations for norovirus vaccines: a model-based analysis of mass vaccination options. Epidemics, 2016, 17, 42-49.	1.5	26
39	Sequential Modelling of the Effects of Mass Drug Treatments on Anopheline-Mediated Lymphatic Filariasis Infection in Papua New Guinea. PLoS ONE, 2013, 8, e67004.	1.1	25
40	Factors Associated With Measles Transmission in the United States During the Postelimination Era. JAMA Pediatrics, 2020, 174, 56.	3.3	25
41	Modelling Co-Infection with Malaria and Lymphatic Filariasis. PLoS Computational Biology, 2013, 9, e1003096.	1.5	23
42	Targeting Antibiotics to Households for Trachoma Control. PLoS Neglected Tropical Diseases, 2010, 4, e862.	1.3	22
43	Enhanced antibiotic distribution strategies and the potential impact of facial cleanliness and environmental improvements for the sustained control of trachoma: a modelling study. BMC Medicine, 2016, 14, 71.	2.3	20
44	Effects of agrochemical pollution on schistosomiasis transmission: a systematic review and modelling analysis. Lancet Planetary Health, The, 2020, 4, e280-e291.	5.1	20
45	The Clinical Interpretation of Viral Blips in HIV Patients Receiving Antiviral Treatment. Journal of Acquired Immune Deficiency Syndromes (1999), 2012, 60, 5-11.	0.9	18
46	Short-term Forecasting of the Prevalence of Trachoma: Expert Opinion, Statistical Regression, versus Transmission Models. PLoS Neglected Tropical Diseases, 2015, 9, e0004000.	1.3	18
47	Using a Nonparametric Multilevel Latent Markov Model to Evaluate Diagnostics for Trachoma. American Journal of Epidemiology, 2013, 177, 913-922.	1.6	17
48	Typhoid transmission: a historical perspective on mathematical model development. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2015, 109, 679-689.	0.7	16
49	Gender-based differences in water, sanitation and hygiene-related diarrheal disease and helminthic infections: a systematic review and meta-analysis. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2017, 110, 637-648.	0.7	16
50	Assessment of the Status of Measles Elimination in the United States, 2001–2014. American Journal of Epidemiology, 2017, 185, 562-569.	1.6	16
51	Measures of Population Ageing in Australia from 1950 to 2050. Journal of Population Ageing, 2018, 11, 367-385.	0.8	16
52	Transmissibility of Variant Influenza From Swine to Humans: A Modeling Approach. Clinical Infectious Diseases, 2013, 57, S16-S22.	2.9	15
53	Estimating Ebola Treatment Needs, United States. Emerging Infectious Diseases, 2015, 21, 1273-1275.	2.0	15
54	Control of Trachoma in Australia: A Model Based Evaluation of Current Interventions. PLoS Neglected Tropical Diseases, 2015, 9, e0003474.	1.3	15

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55	The Allee Effect and Elimination of Neglected Tropical Diseases: A Mathematical Modelling Study. <i>Advances in Parasitology</i> , 2015, 87, 1-31.	1.4	14
56	Vector Transmission Heterogeneity and the Population Dynamics and Control of Lymphatic Filariasis. <i>Advances in Experimental Medicine and Biology</i> , 2010, 673, 13-31.	0.8	14
57	Modeling in Real Time During the Ebola Response. <i>MMWR Supplements</i> , 2016, 65, 85-89.	15.3	14
58	Multiple Contributory Factors to the Age Distribution of Disease Cases: A Modeling Study in the Context of Influenza A(H3N2v). <i>Clinical Infectious Diseases</i> , 2013, 57, S23-S27.	2.9	13
59	Probabilistic forecasts of trachoma transmission at the district level: A statistical model comparison. <i>Epidemics</i> , 2017, 18, 48-55.	1.5	13
60	Modeling the Effect of School Closures in a Pandemic Scenario: Exploring Two Different Contact Matrices. <i>Clinical Infectious Diseases</i> , 2015, 60, S58-S63.	2.9	12
61	Modelling Trachoma for Control Programmes. <i>Advances in Experimental Medicine and Biology</i> , 2010, 673, 141-156.	0.8	12
62	Estimating the Future Impact of a Multi-Pronged Intervention Strategy on Ocular Disease Sequelae Caused by Trachoma: A Modeling Study. <i>Ophthalmic Epidemiology</i> , 2015, 22, 394-402.	0.8	11
63	Infectious Disease Modeling Methods as Tools for Informing Response to Novel Influenza Viruses of Unknown Pandemic Potential. <i>Clinical Infectious Diseases</i> , 2015, 60, S11-S19.	2.9	11
64	Exportations of Symptomatic Cases of MERS-CoV Infection to Countries outside the Middle East. <i>Emerging Infectious Diseases</i> , 2016, 22, 723-725.	2.0	11
65	Influence of parity and sexual history on cytomegalovirus seroprevalence among women aged 20â€“49 years in the USA. <i>International Journal of Gynecology and Obstetrics</i> , 2016, 135, 82-85.	1.0	11
66	Prevalence of Chlamydia trachomatis-Specific Antibodies before and after Mass Drug Administration for Trachoma in Community-Wide Surveys of Four Communities in Nepal. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 216-220.	0.6	11
67	Case-ascertained study of household transmission of seasonal influenza â€” South Africa, 2013. <i>Journal of Infection</i> , 2015, 71, 578-586.	1.7	10
68	Possible changes in the transmissibility of trachoma following MDA and transmission reduction: implications for the GET2020 goals. <i>Parasites and Vectors</i> , 2015, 8, 530.	1.0	10
69	Improving our forecasts for trachoma elimination: What else do we need to know?. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005378.	1.3	10
70	Superinfection with a heterologous HIV strain per se does not lead to faster progression. <i>Mathematical Biosciences</i> , 2010, 224, 1-9.	0.9	9
71	Risk prediction system for dengue transmission based on high resolution weather data. <i>PLoS ONE</i> , 2018, 13, e0208203.	1.1	9
72	Transmission Models and Management of Lymphatic Filariasis Elimination. <i>Advances in Experimental Medicine and Biology</i> , 2010, 673, 157-171.	0.8	9

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73	Review of Mathematical Models of Vaccination for Preventing Congenital Cytomegalovirus Infection. <i>Journal of Infectious Diseases</i> , 2020, 221, S86-S93.	1.9	8
74	A one-parameter model of a rigid-unit structure. <i>Phase Transitions</i> , 1997, 61, 125-139.	0.6	7
75	Spatially-Explicit Simulation Modeling of Ecological Response to Climate Change: Methodological Considerations in Predicting Shifting Population Dynamics of Infectious Disease Vectors. <i>ISPRS International Journal of Geo-Information</i> , 2013, 2, 645-664.	1.4	7
76	Evaluating Ebola vaccine trials: insights from simulation. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 1134.	4.6	5
77	Emerging infectious disease agents and blood safety in Australia: spotlight on Zika virus. <i>Medical Journal of Australia</i> , 2017, 206, 455-460.	0.8	5
78	The impact of shared sanitation facilities on diarrheal diseases with and without an environmental reservoir: a modeling study. <i>Pathogens and Global Health</i> , 2018, 112, 195-202.	1.0	5
79	Estimation of Severe Middle East Respiratory Syndrome Cases in the Middle East, 2012–2016. <i>Emerging Infectious Diseases</i> , 2016, 22, 1797-1799.	2.0	4
80	Incidence of Pediatric and Adult Herpes Zoster in an Era of Varicella and Herpes Zoster Vaccines. <i>Open Forum Infectious Diseases</i> , 2015, 2, .	0.4	4
81	Patterns and Predictors of Adherence to Statin Therapy Among Older Patients: Protocol for a Systematic Review. <i>JMIR Research Protocols</i> , 2017, 6, e39.	0.5	4
82	Estimation of Severe Middle East Respiratory Syndrome Cases in the Middle East, 2012–2016. <i>Emerging Infectious Diseases</i> , 2016, 22, 1797-1799.	2.0	4
83	Quasi-cycles and sensitive dependence on seed values in edge of chaos behaviour in a class of self-evolving maps. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 641-649.	2.5	3
84	Can oral vitamin D prevent the cardiovascular diseases among migrants in Australia? Provider perspective using Markov modelling. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 596-601.	0.9	3
85	Improvements in life expectancy among Australians due to reductions in smoking: Results from a risk percentiles approach. <i>BMC Public Health</i> , 2015, 16, 77.	1.2	3
86	Estimating the elimination feasibility in the 'end game' of control efforts for parasites subjected to regular mass drug administration: Methods and their application to schistosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006794.	1.3	3
87	O14.4...Oropharyngeal transmission of <i>Neisseria gonorrhoeae</i> among men who have sex with men and potential impacts of mouthwash. , 2017, , .		1
88	Modeling the West Nile virus transfusion transmission risk in a nonoutbreak country associated with traveling donors. <i>Transfusion</i> , 2020, 60, 2611-2621.	0.8	1
89	Short-Range Disorder and Long-Range Order: Implications of the "Rigid Unit Mode" Picture. , 2002, , 253-271.		0
90	P066...Transmission of <i>Neisseria Gonorrhoeae</i> among men who have sex with men: an anatomical site-specific mathematical model and impact of mouthwash. <i>Sexually Transmitted Infections</i> , 2016, 92, A41.2-A41.	0.8	0