

Marisa C Eisenberg

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,723
citations

201385

27
h-index

214527

47
g-index

90
all docs

90
docs citations

90
times ranked

3522
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural identifiability analysis of age-structured PDE epidemic models. <i>Journal of Mathematical Biology</i> , 2022, 84, 9.	0.8	9
2	Incidence and clearance of oral and cervicogenital HPV infection: longitudinal analysis of the MHOC cohort study. <i>BMJ Open</i> , 2022, 12, e056502.	0.8	7
3	Oral human papillomavirus prevalence, persistence, and risk-factors in HIV-positive and HIV-negative adults. <i>Tumour Virus Research</i> , 2022, 13, 200237.	1.5	5
4	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113561119.	3.3	136
5	Stigmatizing Policies Interact with Mental Health and Sexual Behaviours to Structurally Induce HIV Diagnoses Among European Men Who Have Sex with Men. <i>AIDS and Behavior</i> , 2022, 26, 3400-3410.	1.4	8
6	Rapid response modeling of SARS-CoV-2 transmission. <i>Science</i> , 2022, 376, 579-580.	6.0	5
7	Prevalence and determinants of oral and cervicogenital HPV infection: Baseline analysis of the Michigan HPV and Oropharyngeal Cancer (MHOC) cohort study. <i>PLoS ONE</i> , 2022, 17, e0268104.	1.1	3
8	The role of time-varying viral shedding in modelling environmental surveillance for public health: revisiting the 2013 poliovirus outbreak in Israel. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220006.	1.5	8
9	Severe Acute Respiratory Syndrome Coronavirus 2 Surveillance in Decedents in a Large, Urban Medical Examiner's Office. <i>Clinical Infectious Diseases</i> , 2021, 72, e580-e585.	2.9	4
10	Measuring office workplace interactions and hand hygiene behaviors through electronic sensors: A feasibility study. <i>PLoS ONE</i> , 2021, 16, e0243358.	1.1	10
11	Protective impacts of household-based tuberculosis contact tracing are robust across endemic incidence levels and community contact patterns. <i>PLoS Computational Biology</i> , 2021, 17, e1008713.	1.5	5
12	Immunologic and Epidemiologic Drivers of Norovirus Transmission in Daycare and School Outbreaks. <i>Epidemiology</i> , 2021, 32, 351-359.	1.2	9
13	Exploring the Seasonal Drivers of Varicella Zoster Virus Transmission and Reactivation. <i>American Journal of Epidemiology</i> , 2021, 190, 1814-1820.	1.6	12
14	Cost-effectiveness of pediatric norovirus vaccination in daycare settings. <i>Vaccine</i> , 2021, 39, 2133-2145.	1.7	4
15	Has the relationship between wealth and HIV risk in Sub-Saharan Africa changed over time? A temporal, gendered and hierarchical analysis. <i>SSM - Population Health</i> , 2021, 15, 100833.	1.3	3
16	Fine-scale spatial clustering of measles nonvaccination that increases outbreak potential is obscured by aggregated reporting data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28506-28514.	3.3	44
17	The Impact of Vaccination Efforts on the Spatiotemporal Patterns of the Hepatitis A Outbreak in Michigan, 2016-2018. <i>Epidemiology</i> , 2020, 31, 628-635.	1.2	7
18	Time-varying survival effects for squamous cell carcinomas at oropharyngeal and nonoropharyngeal head and neck sites in the United States, 1973-2015. <i>Cancer</i> , 2020, 126, 5137-5146.	2.0	8

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19	Predicting the second wave of COVID-19 in Washtenaw County, MI. <i>Journal of Theoretical Biology</i> , 2020, 507, 110461.	0.8	63
20	Using compartmental models to simulate directed acyclic graphs to explore competing causal mechanisms underlying epidemiological study data. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190675.	1.5	1
21	Characteristics of head and neck squamous cell carcinoma cell Lines reflect human tumor biology independent of primary etiologies and HPV status. <i>Translational Oncology</i> , 2020, 13, 100808.	1.7	4
22	HPV vaccination has not increased sexual activity or accelerated sexual debut in a college-aged cohort of men and women. <i>BMC Public Health</i> , 2019, 19, 821.	1.2	49
23	Linking Decision Theory and Quantitative Microbial Risk Assessment: Tradeoffs Between Compliance and Efficacy for Waterborne Disease Interventions. <i>Risk Analysis</i> , 2019, 39, 2214-2226.	1.5	8
24	Phenotypic variations in persistence and infectivity between and within environmentally transmitted pathogen populations impact population-level epidemic dynamics. <i>BMC Infectious Diseases</i> , 2019, 19, 449.	1.3	8
25	Hepatitis C transmission in young people who inject drugs: Insights using a dynamic model informed by state public health surveillance. <i>Epidemics</i> , 2019, 27, 86-95.	1.5	21
26	Multisite HPV infections in the United States (NHANES 2003-2014): An overview and synthesis. <i>Preventive Medicine</i> , 2019, 123, 288-298.	1.6	23
27	Integrating measures of viral prevalence and seroprevalence: a mechanistic modelling approach to explaining cohort patterns of human papillomavirus in women in the USA. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180297.	1.8	5
28	Comparing alternative cholera vaccination strategies in Maela refugee camp: using a transmission model in public health practice. <i>BMC Infectious Diseases</i> , 2019, 19, 1075.	1.3	7
29	Identification of the Fraction of Indolent Tumors and Associated Overdiagnosis in Breast Cancer Screening Trials. <i>American Journal of Epidemiology</i> , 2019, 188, 197-205.	1.6	12
30	Introducing BAIT (Biofilm Architecture Inference Tool): a software program to evaluate the architecture of oral multi-species biofilms. <i>Microbiology (United Kingdom)</i> , 2019, 165, 527-537.	0.7	12
31	Asymmetric transfer efficiencies between fomites and fingers: Impact on model parameterization. <i>American Journal of Infection Control</i> , 2018, 46, 620-626.	1.1	13
32	Fomite-mediated transmission as a sufficient pathway: a comparative analysis across three viral pathogens. <i>BMC Infectious Diseases</i> , 2018, 18, 540.	1.3	104
33	Dynamics and Determinants of HPV Infection: The Michigan HPV and Oropharyngeal Cancer (M-HOC) Study. <i>BMJ Open</i> , 2018, 8, e021618.	0.8	10
34	Epidemiology of the silent polio outbreak in Rahat, Israel, based on modeling of environmental surveillance data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10625-E10633.	3.3	126
35	A Sensitive Thresholding Method for Confocal Laser Scanning Microscope Image Stacks of Microbial Biofilms. <i>Scientific Reports</i> , 2018, 8, 13013.	1.6	19
36	Practical unidentifiability of a simple vector-borne disease model: Implications for parameter estimation and intervention assessment. <i>Epidemics</i> , 2018, 25, 89-100.	1.5	40

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37	Analytical and computational study of an individual-based network model for the spread of heavy drinking. <i>Journal of Biological Dynamics</i> , 2018, 12, 509-526.	0.8	0
38	DNA concentration from self samples for HPV testing. <i>International Journal of Cancer</i> , 2018, 143, 3036-3037.	2.3	0
39	Case Studies of Gastric, Lung, and Oral Cancer Connect Etiologic Agent Prevalence to Cancer Incidence. <i>Cancer Research</i> , 2018, 78, 3386-3396.	0.4	11
40	<i>Clostridium difficile</i> shows no trade-off between toxin and spore production within the human host. <i>Journal of Medical Microbiology</i> , 2018, 67, 631-640.	0.7	8
41	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. <i>Environmental Science & Technology</i> , 2017, 51, 2186-2196.	4.6	46
42	Modeling spatial invasion of Ebola in West Africa. <i>Journal of Theoretical Biology</i> , 2017, 428, 65-75.	0.8	17
43	Application of an Individual-Based Transmission Hazard Model for Estimation of Influenza Vaccine Effectiveness in a Household Cohort. <i>American Journal of Epidemiology</i> , 2017, 186, 1380-1388.	1.6	10
44	Model distinguishability and inference robustness in mechanisms of cholera transmission and loss of immunity. <i>Journal of Theoretical Biology</i> , 2017, 420, 68-81.	0.8	20
45	“Ebola kills generations” Qualitative discussions with Liberian healthcare providers. <i>Midwifery</i> , 2017, 45, 44-49.	1.0	20
46	A confidence building exercise in data and identifiability: Modeling cancer chemotherapy as a case study. <i>Journal of Theoretical Biology</i> , 2017, 431, 63-78.	0.8	52
47	A Systematic Approach to Determining the Identifiability of Multistage Carcinogenesis Models. <i>Risk Analysis</i> , 2017, 37, 1375-1387.	1.5	19
48	Parameter estimation for multistage clonal expansion models from cancer incidence data: A practical identifiability analysis. <i>PLoS Computational Biology</i> , 2017, 13, e1005431.	1.5	23
49	Dose-response relationships for environmentally mediated infectious disease transmission models. <i>PLoS Computational Biology</i> , 2017, 13, e1005481.	1.5	78
50	An in silico evaluation of treatment regimens for recurrent <i>Clostridium difficile</i> infection. <i>PLoS ONE</i> , 2017, 12, e0182815.	1.1	0
51	Parameter identifiability and identifiable combinations in generalized Hodgkin-Huxley models. <i>Neurocomputing</i> , 2016, 199, 137-143.	3.5	15
52	What Transmission Precautions Best Control Influenza Spread in a Hospital?. <i>American Journal of Epidemiology</i> , 2016, 183, 1045-1054.	1.6	32
53	The impact of spatial arrangements on epidemic disease dynamics and intervention strategies. <i>Journal of Biological Dynamics</i> , 2016, 10, 222-249.	0.8	29
54	THYROSIM App for Education and Research Predicts Potential Health Risks of Over-the-Counter Thyroid Supplements. <i>Thyroid</i> , 2016, 26, 489-498.	2.4	13

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55	Design and methods of a social network isolation study for reducing respiratory infection transmission: The eX-FLU cluster randomized trial. <i>Epidemics</i> , 2016, 15, 38-55.	1.5	31
56	Effects of adaptive protective behavior on the dynamics of sexually transmitted infections. <i>Journal of Theoretical Biology</i> , 2016, 388, 119-130.	0.8	6
57	Age Effects and Temporal Trends in HPV-Related and HPV-Unrelated Oral Cancer in the United States: A Multistage Carcinogenesis Modeling Analysis. <i>PLoS ONE</i> , 2016, 11, e0151098.	1.1	27
58	Trends in HPV cervical and seroprevalence and associations between oral and genital infection and serum antibodies in NHANES 2003-2012. <i>BMC Infectious Diseases</i> , 2015, 15, 575.	1.3	21
59	Connecting Local and Global Sensitivities in a Mathematical Model for Wound Healing. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 2294-2324.	0.9	7
60	Fomite-fingerpad transfer efficiency (pick-up and deposit) of <i>Acinetobacter baumannii</i> with and without a latex glove. <i>American Journal of Infection Control</i> , 2015, 43, 928-934.	1.1	38
61	Transmission heterogeneity and autoinoculation in a multisite infection model of HPV. <i>Mathematical Biosciences</i> , 2015, 270, 115-125.	0.9	16
62	Identifiability Results for Several Classes of Linear Compartment Models. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 1620-1651.	0.9	26
63	Disease invasion on community networks with environmental pathogen movement. <i>Journal of Mathematical Biology</i> , 2015, 70, 1065-1092.	0.8	31
64	What Factors Might Have Led to the Emergence of Ebola in West Africa?. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003652.	1.3	206
65	Determining identifiable parameter combinations using subset profiling. <i>Mathematical Biosciences</i> , 2014, 256, 116-126.	0.9	79
66	Mathematical models: A key tool for outbreak response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18095-18096.	3.3	78
67	Ebola: Mobility data. <i>Science</i> , 2014, 346, 433-433.	6.0	39
68	Heterogeneity in multiple transmission pathways: modelling the spread of cholera and other waterborne disease in networks with a common water source. <i>Journal of Biological Dynamics</i> , 2013, 7, 254-275.	0.8	47
69	Identifiability and estimation of multiple transmission pathways in cholera and waterborne disease. <i>Journal of Theoretical Biology</i> , 2013, 324, 84-102.	0.8	135
70	A cholera model in a patchy environment with water and human movement. <i>Mathematical Biosciences</i> , 2013, 246, 105-112.	0.9	90
71	Examining rainfall and cholera dynamics in Haiti using statistical and dynamic modeling approaches. <i>Epidemics</i> , 2013, 5, 197-207.	1.5	96
72	Simulation of Post-Thyroidectomy Treatment Alternatives for Triiodothyronine or Thyroxine Replacement in Pediatric Thyroid Cancer Patients. <i>Thyroid</i> , 2012, 22, 595-603.	2.4	12

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73	Cholera Epidemic in Haiti, 2010: Using a Transmission Model to Explain Spatial Spread of Disease and Identify Optimal Control Interventions. <i>Annals of Internal Medicine</i> , 2011, 154, 593.	2.0	214
74	Mechanistic modeling of the effects of myoferlin on tumor cell invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20078-20083.	3.3	79
75	TSH Regulation Dynamics in Central and Extreme Primary Hypothyroidism. <i>Thyroid</i> , 2010, 20, 1215-1228.	2.4	27
76	TSH-Based Protocol, Tablet Instability, and Absorption Effects on L-T ₄ Bioequivalence. <i>Thyroid</i> , 2009, 19, 103-110.	2.4	36
77	An algorithm for finding globally identifiable parameter combinations of nonlinear ODE models using Gr�bner Bases. <i>Mathematical Biosciences</i> , 2009, 222, 61-72.	0.9	70
78	Extensions, Validation, and Clinical Applications of a Feedback Control System Simulator of the Hypothalamo-Pituitary-Thyroid Axis. <i>Thyroid</i> , 2008, 18, 1071-1085.	2.4	51
79	L-T ₄ Bioequivalence and Hormone Replacement Studies via Feedback Control Simulations. <i>Thyroid</i> , 2006, 16, 1279-1292.	2.4	17