Justin V Remais

List of Publications by Year
in descending order

81 papers	5,774 citations	159585 30 h-index	82547 72 g-index
87 all docs	87 docs citations	87 times ranked	9233 citing authors

#	Article	IF	Citations
1	A Hierarchical Model for Analyzing Multisite Individual-Level Disease Surveillance Data from Multiple Systems. Biometrics, 2023, 79, 1507-1519.	1.4	0
2	Model-based assessment of SARS-CoV-2 Delta variant transmission dynamics within partially vaccinated K-12 school populations. The Lancet Regional Health Americas, 2022, 5, 100133.	2.6	11
3	Department Chairs Weigh In: Environmental Health Education Is More Essential Than Ever. American Journal of Public Health, 2022, 112, 75-76.	2.7	0
4	Environmental Factors Influencing COVID-19 Incidence and Severity. Annual Review of Public Health, 2022, 43, 271-291.	17.4	71
5	Longitudinal social contacts among school-aged children during the COVID-19 pandemic: the Bay Area Contacts among Kids (BACK) study. BMC Infectious Diseases, 2022, 22, 242.	2.9	7
6	Diagnosis of Schistosoma infection in non-human animal hosts: A systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2022, 16, e0010389.	3.0	8
7	Coccidioidomycosis and COVID-19 Co-Infection, United States, 2020. Emerging Infectious Diseases, 2021, 27, 1266-1273.	4.3	35
8	Reply to Li et al.: Estimate of the association between TB risk and famine intensity is robust to various famine intensity estimators. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2103254118.	7.1	1
9	School closures reduced social mixing of children during COVID-19 with implications for transmission risk and school reopening policies. Journal of the Royal Society Interface, 2021, 18, 20200970.	3.4	28
10	Schistosome infection in Senegal is associated with different spatial extents of risk and ecological drivers for Schistosoma haematobium and S. mansoni. PLoS Neglected Tropical Diseases, 2021, 15, e0009712.	3.0	11
11	Outdoor Residential Water Use Restrictions during Recent Drought Suppressed Disease Vector Abundance in Southern California. Environmental Science & Technology, 2021, 55, 478-487.	10.0	1
12	Early Evidence of Inactivated Enterovirus 71 Vaccine Impact Against Hand, Foot, and Mouth Disease in a Major Center of Ongoing Transmission in China, 2011â€“2018: A Longitudinal Surveillance Study. Clinical Infectious Diseases, 2020, 71, 3088-3095.	5.8	33
13	Spatial Lifecourse Epidemiology Reporting Standards (ISLE-ReSt) statement. Health and Place, 2020, 61, 102243.	3.3	57
14	Prenatal and early-life exposure to the Great Chinese Famine increased the risk of tuberculosis in adulthood across two generations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27549-27555.	7.1	26
15	Effects of agrochemical pollution on schistosomiasis transmission: a systematic review and modelling analysis. Lancet Planetary Health, The, 2020, 4, e280-e291.	11.4	20
16	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. Environmental Health Perspectives, 2020, 128, 115001.	6.0	40
17	A spatial hierarchical model for integrating and bias-correcting data from passive and active disease surveillance systems. Spatial and Spatio-temporal Epidemiology, 2020, 35, 100341.	1.7	4
18	Aquatic macrophytes and macroinvertebrate predators affect densities of snail hosts and local production of schistosome cercariae that cause human schistosomiasis. PLoS Neglected Tropical Diseases, 2020, 14, e0008417.	3.0	23

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19	Thermal thresholds heighten sensitivity of West Nile virus transmission to changing temperatures in coastal California. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201065.	2.6	7
20	The DIOS framework for optimizing infectious disease surveillance: Numerical methods for simulation and multi-objective optimization of surveillance network architectures. PLoS Computational Biology, 2020, 16, e1008477.	3.2	3
21	Evidence for heterogeneity in Chinaâ€™s progress against pulmonary tuberculosis: uneven reductions in a major center of ongoing transmission, 2005â€“2017. BMC Infectious Diseases, 2019, 19, 615.	2.9	11
22	Modelled effects of prawn aquaculture on poverty alleviation and schistosomiasis control. Nature Sustainability, 2019, 2, 611-620.	23.7	32
23	Top 10 Research Priorities in Spatial Lifecourse Epidemiology. Environmental Health Perspectives, 2019, 127, 74501.	6.0	66
24	Social cohesion and passive adaptation in relation to climate change and disease. Global Environmental Change, 2019, 58, 101960.	7.8	9
25	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. American Journal of Epidemiology, 2019, 188, 950-959.	3.4	17
26	Scientistsâ€™ warning to humanity: microorganisms and climate change. Nature Reviews Microbiology, 2019, 17, 569-586.	28.6	1,138
27	Emerging human infectious diseases and the links to global food production. Nature Sustainability, 2019, 2, 445-456.	23.7	362
28	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. American Journal of Epidemiology, 2019, 188, 1475-1483.	3.4	7
29	Climate change microbiology â€” problems and perspectives. Nature Reviews Microbiology, 2019, 17, 391-396.	28.6	130
30	Hydroclimatic drivers of highly seasonal leptospirosis incidence suggest prominent soil reservoir of pathogenic Leptospira spp. in rural western China. PLoS Neglected Tropical Diseases, 2019, 13, e0007968.	3.0	15
31	Modeling environmentally mediated rotavirus transmission: The role of temperature and hydrologic factors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2782-E2790.	7.1	38
32	Agrochemicals increase risk of human schistosomiasis by supporting higher densities of intermediate hosts. Nature Communications, 2018, 9, 837.	12.8	71
33	The Tsinghuaâ€“Lancet Commission on Healthy Cities in China: unlocking the power of cities for a healthy China. Lancet, The, 2018, 391, 2140-2184.	13.7	155
34	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. PLoS Neglected Tropical Diseases, 2018, 12, e0006794.	3.0	3
35	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. Environmental Science & Technology, 2017, 51, 2186-2196.	10.0	46
36	Nearly 400 million people are at higher risk of schistosomiasis because dams block the migration of snail-eating river prawns. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160127.	4.0	91

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37	Transport and public health in China: the road to a healthy future. Lancet, The, 2017, 390, 1781-1791.	13.7	113
38	Genetic Evidence of Contemporary Dispersal of the Intermediate Snail Host of Schistosoma japonicum: Movement of an NTD Host Is Facilitated by Land Use and Landscape Connectivity. PLoS Neglected Tropical Diseases, 2016, 10, e0005151.	3.0	8
39	Estimating the microbiological risks associated with inland flood events: Bridging theory and models of pathogen transport. Critical Reviews in Environmental Science and Technology, 2016, 46, 1787-1833.	12.8	9
40	Estimating the Risk of Domestic Water Source Contamination Following Precipitation Events. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1403-1406.	1.4	12
41	Targeting pediatric versus elderly populations for norovirus vaccines: a model-based analysis of mass vaccination options. Epidemics, 2016, 17, 42-49.	3.0	26
42	Associations between Weather and Microbial Load on Fresh Produce Prior to Harvest. Journal of Food Protection, 2015, 78, 849-854.	1.7	11
43	Methods for Quantification of Soil-Transmitted Helminths in Environmental Media: Current Techniques and Recent Advances. Trends in Parasitology, 2015, 31, 625-639.	3.3	60
44	Estimating the Health Effects of Greenhouse Gas Mitigation Strategies: Addressing Parametric, Model, and Valuation Challenges. Environmental Health Perspectives, 2014, 122, 447-455.	6.0	51
45	Developmental Models for Estimating Ecological Responses to Environmental Variability: Structural, Parametric, and Experimental Issues. Acta Biotheoretica, 2014, 62, 69-90.	1.5	28
46	Delays in reducing waterborne and water-related infectious diseases in China under climate change. Nature Climate Change, 2014, 4, 1109-1115.	18.8	24
47	Surveillance systems for neglected tropical diseases: global lessons from Chinaâ€™s evolving schistosomiasis reporting systems, 1949â€“2014. Emerging Themes in Epidemiology, 2014, 11, 19.	2.7	23
48	Inter-Model Comparison of the Landscape Determinants of Vector-Borne Disease: Implications for Epidemiological and Entomological Risk Modeling. PLoS ONE, 2014, 9, e103163.	2.5	4
49	Food supply and food safety issues in China. Lancet, The, 2013, 381, 2044-2053.	13.7	322
50	Approaches to genotyping individual miracidia of Schistosoma japonicum. Parasitology Research, 2013, 112, 3991-3999.	1.6	13
51	Spatially Explicit Modeling of Schistosomiasis Risk in Eastern China Based on a Synthesis of Epidemiological, Environmental and Intermediate Host Genetic Data. PLoS Neglected Tropical Diseases, 2013, 7, e2327.	3.0	13
52	Convergence of non-communicable and infectious diseases in low- and middle-income countries. International Journal of Epidemiology, 2013, 42, 221-227.	1.9	163
53	Sensitivity analysis of infectious disease models: methods, advances and their application. Journal of the Royal Society Interface, 2013, 10, 20121018.	3.4	196
54	Spatially-Explicit Simulation Modeling of Ecological Response to Climate Change: Methodological Considerations in Predicting Shifting Population Dynamics of Infectious Disease Vectors. ISPRS International Journal of Geo-Information, 2013, 2, 645-664.	2.9	7

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55	Regional disparities in the burden of disease attributable to unsafe water and poor sanitation in China. Bulletin of the World Health Organization, 2012, 90, 578-587.	3.3	55
56	Cautioning the use of degreeâ€day models for climate change projections in the presence of parametric uncertainty. Ecological Applications, 2012, 22, 2237-2247.	3.8	16
57	Climate Change and Ecosystem Disruption: The Health Impacts of the North American Rocky Mountain Pine Beetle Infestation. American Journal of Public Health, 2012, 102, 818-827.	2.7	26
58	Balance between clinical and environmental responses to infectious diseases. Lancet, The, 2012, 379, 1457-1459.	13.7	9
59	Urbanisation and health in China. Lancet, The, 2012, 379, 843-852.	13.7	930
60	Modeling the Combined Influence of Host Dispersal and Waterborne Fate and Transport on Pathogen Spread in Complex Landscapes. Water Quality, Exposure, and Health, 2012, 4, 159-168.	1.5	3
61	Greenhouse Gas Emission Reductions from Domestic Anaerobic Digesters Linked with Sustainable Sanitation in Rural China. Environmental Science & Technology, 2011, 45, 2345-2352.	10.0	46
62	Polymorphic microsatellites in the human bloodfluke, Schistosoma japonicum, identified using a genomic resource. Parasites and Vectors, 2011, 4, 13.	2.5	15
63	The challenge of effective surveillance in moving from low transmission to elimination of schistosomiasis in China. International Journal for Parasitology, 2011, 41, 1243-1247.	3.1	59
64	Stirred, not shaken: genetic structure of the intermediate snail host Oncomelania hupensis robertsoni in an historically endemic schistosomiasis area. Parasites and Vectors, 2011, 4, 206.	2.5	22
65	Field Detection of Schistosoma japonicum Cercariae in Environmental Water Samples by Quantitative PCR. Applied and Environmental Microbiology, 2011, 77, 2192-2195.	3.1	31
66	Genetic Assignment Methods for Gaining Insight into the Management of Infectious Disease by Understanding Pathogen, Vector, and Host Movement. PLoS Pathogens, 2011, 7, e1002013.	4.7	12
67	Environmental Lessons from China: Finding Promising Policies â€¨in Unlikely Places. Environmental Health Perspectives, 2011, 119, 893-895.	6.0	9
68	Toward Sustainable and Comprehensive Control of Schistosomiasis in China: Lessons from Sichuan. PLoS Neglected Tropical Diseases, 2011, 5, e1372.	3.0	42
69	Geographic and ecologic heterogeneity in elimination thresholds for the major vector-borne helminthic disease, lymphatic filariasis. BMC Biology, 2010, 8, 22.	3.8	67
70	Analytical methods for quantifying environmental connectivity for the control and surveillance of infectious disease spread. Journal of the Royal Society Interface, 2010, 7, 1181-1193.	3.4	22
71	Environmental health in China: progress towards clean air and safe water. Lancet, The, 2010, 375, 1110-1119.	13.7	383
72	Modelling Environmentally-Mediated Infectious Diseases of Humans: Transmission Dynamics of Schistosomiasis in China. Advances in Experimental Medicine and Biology, 2010, 673, 79-98.	1.6	29

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73	Leveraging Rural Energy Investment for Parasitic Disease Control: Schistosome Ova Inactivation and Energy Co-Benefits of Anaerobic Digesters in Rural China. PLoS ONE, 2009, 4, e4856.	2.5	22
74	Model approaches for estimating the influence of time-varying socio-environmental factors on macroparasite transmission in two endemic regions. Epidemics, 2009, 1, 213-220.	3.0	20
75	Coupling Hydrologic and Infectious Disease Models To Explain Regional Differences in Schistosomiasis Transmission in Southwestern China. Environmental Science & Technology, 2008, 42, 2643-2649.	10.0	20
76	Quantitative Detection of Schistosoma japonicum Cercariae in Water by Real-Time PCR. PLoS Neglected Tropical Diseases, 2008, 2, e337.	3.0	57
77	Environmental effects on parasitic disease transmission exemplified by schistosomiasis in western China. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7110-7115.	7.1	108
78	Weather-driven dynamics of an intermediate host: mechanistic and statistical population modelling of Oncomelania hupensis. Journal of Applied Ecology, 2007, 44, 781-791.	4.0	23
79	Fighting Waterborne Infectious Diseases. Science, 2006, 314, 1081c-1083c.	12.6	17
80	SPATIAL AND TEMPORAL VARIABILITY IN SCHISTOSOME CERCARIAL DENSITY DETECTED BY MOUSE BIOASSAYS IN VILLAGE IRRIGATION DITCHES IN SICHUAN, CHINA. American Journal of Tropical Medicine and Hygiene, 2004, 71, 554-557.	1.4	27
81	Spatial and temporal variability in schistosome cercarial density detected by mouse bioassays in village irrigation ditches in Sichuan, China. American Journal of Tropical Medicine and Hygiene, 2004, 71, 554-7.	1.4	16