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	Scientistsâ€™ warning to humanity: microorganisms and climate change. Nature Reviews Microbiology, 2019, 17, 569-586.	28.6	1,138
2	Urbanisation and health in China. Lancet, The, 2012, 379, 843-852.	13.7	930
3	Environmental health in China: progress towards clean air and safe water. Lancet, The, 2010, 375, 1110-1119.	13.7	383
4	Emerging human infectious diseases and the links to global food production. Nature Sustainability, 2019, 2, 445-456.	23.7	362
5	Food supply and food safety issues in China. Lancet, The, 2013, 381, 2044-2053.	13.7	322
6	Sensitivity analysis of infectious disease models: methods, advances and their application. Journal of the Royal Society Interface, 2013, 10, 20121018.	3.4	196
7	Convergence of non-communicable and infectious diseases in low- and middle-income countries. International Journal of Epidemiology, 2013, 42, 221-227.	1.9	163
8	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
9	Climate change microbiology â€" problems and perspectives. Nature Reviews Microbiology, 2019, 17, 391-396.	28.6	130
10	Transport and public health in China: the road to a healthy future. Lancet, The, 2017, 390, 1781-1791.	13.7	113
11	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
12	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
13	Agrochemicals increase risk of human schistosomiasis by supporting higher densities of intermediate hosts. Nature Communications, 2018, 9, 837.	12.8	71
14	Environmental Factors Influencing COVID-19 Incidence and Severity. Annual Review of Public Health, 2022, 43, 271-291.	17.4	71
15	Geographic and ecologic heterogeneity in elimination thresholds for the major vector-borne helminthic disease, lymphatic filariasis. BMC Biology, 2010, 8, 22.	3.8	67
16	Top 10 Research Priorities in Spatial Lifecourse Epidemiology. Environmental Health Perspectives, 2019, 127, 74501.	6.0	66
17	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
18	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

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19	Quantitative Detection of Schistosoma japonicum Cercariae in Water by Real-Time PCR. PLoS Neglected Tropical Diseases, 2008, 2, e337.	3.0	57
20	Spatial Lifecourse Epidemiology Reporting Standards (ISLE-ReSt) statement. Health and Place, 2020, 61, 102243.	3.3	57
21	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
22	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
23	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
24	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. Environmental Science & Technology, 2017, 51, 2186-2196.	10.0	46
25	Toward Sustainable and Comprehensive Control of Schistosomiasis in China: Lessons from Sichuan. PLoS Neglected Tropical Diseases, 2011, 5, e1372.	3.0	42
26	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. Environmental Health Perspectives, 2020, 128, 115001.	6.0	40
27	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
28	Coccidioidomycosis and COVID-19 Co-Infection, United States, 2020. Emerging Infectious Diseases, 2021, 27, 1266-1273.	4.3	35
29	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
30	Modelled effects of prawn aquaculture on poverty alleviation and schistosomiasis control. Nature Sustainability, 2019, 2, 611-620.	23.7	32
31	Field Detection of <i>Schistosoma japonicum</i> Cercariae in Environmental Water Samples by Quantitative PCR. Applied and Environmental Microbiology, 2011, 77, 2192-2195.	3.1	31
32	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
33	Developmental Models for Estimating Ecological Responses to Environmental Variability: Structural, Parametric, and Experimental Issues. Acta Biotheoretica, 2014, 62, 69-90.	1.5	28
34	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
35	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
36	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

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37	Targeting pediatric versus elderly populations for norovirus vaccines: a model-based analysis of mass vaccination options. Epidemics, 2016, 17, 42-49.	3.0	26
38	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
39	Delays in reducing waterborne and water-related infectious diseases in China under climate change. Nature Climate Change, 2014, 4, 1109-1115.	18.8	24
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Effects of agrochemical pollution on schistosomiasis transmission: a systematic review and modelling analysis. Lancet Planetary Health, The, 2020, 4, e280-e291.	11.4	20
49	Fighting Waterborne Infectious Diseases. Science, 2006, 314, 1081c-1083c.	12.6	17
50	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. American Journal of Epidemiology, 2019, 188, 950-959.	3.4	17
51	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
52	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
53	Polymorphic microsatellites in the human bloodfluke, Schistosoma japonicum, identified using a genomic resource. Parasites and Vectors, 2011, 4, 13.	2.5	15
54	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

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55	Approaches to genotyping individual miracidia of Schistosoma japonicum. Parasitology Research, 2013, 112, 3991-3999.	1.6	13
56	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
57	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
58	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
59	Associations between Weather and Microbial Load on Fresh Produce Prior to Harvest. Journal of Food Protection, 2015, 78, 849-854.	1.7	11
60	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
61	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
62	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
63	Environmental Lessons from China: Finding Promising Policies â€¨in Unlikely Places. Environmental Health Perspectives, 2011, 119, 893-895.	6.0	9
64	Balance between clinical and environmental responses to infectious diseases. Lancet, The, 2012, 379, 1457-1459.	13.7	9
65	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
66	Social cohesion and passive adaptation in relation to climate change and disease. Global Environmental Change, 2019, 58, 101960.	7.8	9
67	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
68	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
69	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
70	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. American Journal of Epidemiology, 2019, 188, 1475-1483.	3.4	7
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	Department Chairs Weigh In: Environmental Health Education Is More Essential Than Ever. American Journal of Public Health, 2022, 112, 75-76.	2.7	0
81	A Hierarchical Model for Analyzing Multisite Individual-Level Disease Surveillance Data from Multiple Systems. Biometrics, 2023, 79, 1507-1519.	1.4	0