Penelope Vounatsou

List of Publications by Year in descending order

233 papers	11,553 citations	22099 59 h-index	43802 91 g-index
241 all docs	241 docs citations	241 times ranked	9248 citing authors

#	Article	IF	Citations
1	Strongyloides stercoralis: Global Distribution and Risk Factors. PLoS Neglected Tropical Diseases, 2013, 7, e2288.	1.3	561
2	Proper multivariate conditional autoregressive models for spatial data analysis. Biostatistics, 2003, 4, 11-15.	0.9	346
3	Randomised placebo-controlled trial of iron supplementation and malaria chemoprophylaxis for prevention of severe anaemia and malaria in Tanzanian infants. Lancet, The, 1997, 350, 844-850.	6.3	318
4	The influence of sampling effort and the performance of the Kato-Katz technique in diagnosing Schistosoma mansoni and hookworm co-infections in rural Cte dIvoire. Parasitology, 2003, 127, 525-531.	0.7	219
5	The reliability of diagnostic techniques in the diagnosis and management of malaria in the absence of a gold standard. Lancet Infectious Diseases, The, 2006, 6, 582-588.	4.6	183
6	Spatial distribution of schistosomiasis and treatment needs in sub-Saharan Africa: a systematic review and geostatistical analysis. Lancet Infectious Diseases, The, 2015, 15, 927-940.	4.6	181
7	Multiple parasite infections and their relationship to self-reported morbidity in a community of rural Cote d'Ivoire. International Journal of Epidemiology, 2004, 33, 1092-1102.	0.9	180
8	Spatial risk prediction and mapping of Schistosoma mansoni infections among schoolchildren living in western CÃ´te d'Ivoire. Parasitology, 2005, 131, 97-108.	0.7	169
9	Spatial and temporal distribution of soil-transmitted helminth infection in sub-Saharan Africa: a systematic review and geostatistical meta-analysis. Lancet Infectious Diseases, The, 2015, 15, 74-84.	4.6	166
10	Soil-transmitted helminth infection in South America: a systematic review and geostatistical meta-analysis. Lancet Infectious Diseases, The, 2013, 13, 507-518.	4.6	139
11	Efficacy and Safety of Mefloquine, Artesunate, Mefloquineâ€Artesunate, and Praziquantel againstSchistosoma haematobium: Randomized, Exploratory Openâ€Label Trial. Clinical Infectious Diseases, 2010, 50, 1205-1213.	2.9	133
12	A possible method for evaluating oligotrophy and eutrophication based on nutrient concentration scales. Marine Pollution Bulletin, 1992, 24, 238-243.	2.3	131
13	Large-scale determinants of intestinal schistosomiasis and intermediate host snail distribution across Africa: does climate matter?. Acta Tropica, 2013, 128, 378-390.	0.9	131
14	Disparities in parasitic infections, perceived ill health and access to health care among poorer and less poor schoolchildren of rural Cote d'Ivoire. Tropical Medicine and International Health, 2005, 10, 42-57.	1.0	127
15	Microscopic diagnosis of sodium acetate-acetic acid-formalin-fixed stool samples for helminths and intestinal protozoa: a comparison among European reference laboratories. Clinical Microbiology and Infection, 2010, 16, 267-273.	2.8	125
16	An integrated approach for risk profiling and spatial prediction of Schistosoma mansoni-hookworm coinfection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6934-6939.	3.3	122
17	Remote sensing, geographical information system and spatial analysis for schistosomiasis epidemiology and ecology in Africa. Parasitology, 2009, 136, 1683-1693.	0.7	118
18	Accuracy of Urine Circulating Cathodic Antigen (CCA) Test for Schistosoma mansoni Diagnosis in Different Settings of CÃ´te d'Ivoire. PLoS Neglected Tropical Diseases, 2011, 5, e1384.	1.3	116

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19	Low Efficacy of Single-Dose Albendazole and Mebendazole against Hookworm and Effect on Concomitant Helminth Infection in Lao PDR. PLoS Neglected Tropical Diseases, 2012, 6, e1417.	1.3	111
20	A model of animalâ€“human brucellosis transmission in Mongolia. Preventive Veterinary Medicine, 2005, 69, 77-95.	0.7	110
21	Schizophrenia and the Cultural Epidemiology of Stigma in Bangalore, India. Journal of Nervous and Mental Disease, 2004, 192, 734-744.	0.5	103
22	A review of geographic information system and remote sensing with applications to the epidemiology and control of schistosomiasis in China. Acta Tropica, 2005, 96, 117-129.	0.9	103
23	Mapping malaria transmission in West and Central Africa. Tropical Medicine and International Health, 2006, 11, 1032-1046.	1.0	102
24	Evolution of Schistosoma haematobium-related pathology over 24 months after treatment with praziquantel among school children in southeastern Tanzania.. American Journal of Tropical Medicine and Hygiene, 1998, 59, 775-781.	0.6	102
25	Psychiatric stigma across cultures: Local validation in Bangalore and London. Anthropology and Medicine, 2001, 8, 71-87.	0.6	101
26	Helminth and Intestinal Protozoa Infections, Multiparasitism and Risk Factors in Champasack Province, Lao People's Democratic Republic. PLoS Neglected Tropical Diseases, 2011, 5, e1037.	1.3	101
27	Spatial Patterns of Infant Mortality in Mali: The Effect of Malaria Endemicity. American Journal of Epidemiology, 2004, 159, 64-72.	1.6	98
28	Toward an Open-Access Global Database for Mapping, Control, and Surveillance of Neglected Tropical Diseases. PLoS Neglected Tropical Diseases, 2011, 5, e1404.	1.3	98
29	Geostatistical Model-Based Estimates of Schistosomiasis Prevalence among Individuals Aged â‰¥20 Years in West Africa. PLoS Neglected Tropical Diseases, 2011, 5, e1194.	1.3	92
30	Spatial Distribution of, and Risk Factors for, Opisthorchis viverrini Infection in Southern Lao PDR. PLoS Neglected Tropical Diseases, 2012, 6, e1481.	1.3	92
31	Domestic dog demographic structure and dynamics relevant to rabies control planning in urban areas in Africa: the case of Iringa, Tanzania. BMC Veterinary Research, 2012, 8, 236.	0.7	91
32	URBAN FARMING AND MALARIA RISK FACTORS IN A MEDIUM-SIZED TOWN IN CÃ”TE Dâ€™IVOIRE. American Journal of Tropical Medicine and Hygiene, 2006, 75, 1223-1231.	0.6	90
33	Bayesian modelling of geostatistical malaria risk data. Geospatial Health, 2006, 1, 127.	0.3	89
34	Spatio-temporal analysis of the role of climate in inter-annual variation of malaria incidence in Zimbabwe. International Journal of Health Geographics, 2006, 5, 20.	1.2	87
35	Malaria Mapping Using Transmission Models: Application to Survey Data from Mali. American Journal of Epidemiology, 2006, 163, 289-297.	1.6	84
36	Risk factors and spatial patterns of hookworm infection among schoolchildren in a rural area of western CÃ´te d'Ivoire. International Journal for Parasitology, 2006, 36, 201-210.	1.3	84

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37	Risk factors for Schistosoma mansoni and hookworm in urban farming communities in western CÃ´te d'Ivoire. Tropical Medicine and International Health, 2007, 12, 709-723.	1.0	84
38	Efficacy and side effects of praziquantel against Schistosoma mansoni in a community of western CÃ´te dâ€™Ivoire. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2004, 98, 18-27.	0.7	82
39	A Bayesian-based approach for spatio-temporal modeling of county level prevalence of Schistosoma japonicum infection in Jiangsu province, China. International Journal for Parasitology, 2005, 35, 155-162.	1.3	79
40	Estimating sensitivity of the Kato-Katz technique for the diagnosis of Schistosoma mansoni and hookworm in relation to infection intensity. PLoS Neglected Tropical Diseases, 2017, 11, e0005953.	1.3	79
41	Area effects of bednet use in a malaria-endemic area in Papua New Guinea. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2001, 95, 7-13.	0.7	78
42	Geographical patterns and predictors of malaria risk in Zambia: Bayesian geostatistical modelling of the 2006 Zambia national malaria indicator survey (ZMIS). Malaria Journal, 2010, 9, 37.	0.8	78
43	Efficacy and safety of mefloquine, artesunate, mefloquineâ€“artesunate, tribendimidine, and praziquantel in patients with Opisthorchis viverrini: a randomised, exploratory, open-label, phase 2 trial. Lancet Infectious Diseases, The, 2011, 11, 110-118.	4.6	77
44	The use of remotely sensed environmental data in the study of malaria. Geospatial Health, 2011, 5, 151.	0.3	74
45	Coverage of pilot parenteral vaccination campaign against canine rabies in N'DjamÃ©na, Chad. Bulletin of the World Health Organization, 2003, 81, 739-44.	1.5	74
46	In a Randomized Controlled Trial of Iron Fortification, Anthelmintic Treatment, and Intermittent Preventive Treatment of Malaria for Anemia Control in Ivorian Children, only Anthelmintic Treatment Shows Modest Benefit1â€“4. Journal of Nutrition, 2010, 140, 635-641.	1.3	73
47	Bayesian Geostatistical Modeling of Leishmaniasis Incidence in Brazil. PLoS Neglected Tropical Diseases, 2013, 7, e2213.	1.3	72
48	Effectiveness of dog rabies vaccination programmes: comparison of owner-charged and free vaccination campaigns. Epidemiology and Infection, 2009, 137, 1558-1567.	1.0	71
49	Rise in Malaria Incidence Rates in South Africa: A Small-Area Spatial Analysis of Variation in Time Trends. American Journal of Epidemiology, 2002, 155, 257-264.	1.6	69
50	A geographic information and remote sensing based model for prediction of Oncomelania hupensis habitats in the Poyang Lake area, China. Acta Tropica, 2005, 96, 213-222.	0.9	69
51	Prevalence of diarrhoea and risk factors among children under five years old in Mbour, Senegal: a cross-sectional study. Infectious Diseases of Poverty, 2017, 6, 109.	1.5	69
52	Schistosomes, snails and climate change: Current trends and future expectations. Acta Tropica, 2019, 190, 257-268.	0.9	68
53	Rapid urban malaria appraisal (RUMA) I: epidemiology of urban malaria in Ouagadougou. Malaria Journal, 2005, 4, 43.	0.8	67
54	Rapid Urban Malaria Appraisal (RUMA) III: epidemiology of urban malaria in the municipality of Yopougon (Abidjan). Malaria Journal, 2006, 5, 28.	0.8	67

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55	Helminth infections and risk factor analysis among residents in Eryuan county, Yunnan province, China. Acta Tropica, 2007, 104, 38-51.	0.9	66
56	Rapid Urban Malaria Appraisal (RUMA) II: epidemiology of urban malaria in Dar es Salaam (Tanzania). Malaria Journal, 2006, 5, 29.	0.8	65
57	Spatially explicit Schistosoma infection risk in eastern Africa using Bayesian geostatistical modelling. Acta Tropica, 2013, 128, 365-377.	0.9	65
58	High Prevalence and Spatial Distribution of Strongyloides stercoralis in Rural Cambodia. PLoS Neglected Tropical Diseases, 2014, 8, e2854.	1.3	63
59	Effect of preventive chemotherapy with praziquantel on schistosomiasis among school-aged children in sub-Saharan Africa: a spatiotemporal modelling study. Lancet Infectious Diseases, The, 2022, 22, 136-149.	4.6	63
60	Efficacy of 10-day melarsoprol schedule 2 years after treatment for late-stage gambiense sleeping sickness. Lancet, The, 2004, 364, 789-790.	6.3	62
61	Virtual globes and geospatial health: the potential of new tools in the management and control of vector-borne diseases. Geospatial Health, 2009, 3, 127.	0.3	60
62	Towards empirical description of malaria seasonality in southern Africa: the example of Zimbabwe. Tropical Medicine and International Health, 2005, 10, 909-918.	1.0	59
63	Temporal correlation between malaria and rainfall in Sri Lanka. Malaria Journal, 2008, 7, 77.	0.8	59
64	Spatio-temporal malaria transmission patterns in Navrongo demographic surveillance site, northern Ghana. Malaria Journal, 2013, 12, 63.	0.8	59
65	Malaria risk in Nigeria: Bayesian geostatistical modelling of 2010 malaria indicator survey data. Malaria Journal, 2015, 14, 156.	0.8	58
66	A potential impact of climate change and water resource development on the transmission of Schistosoma japonicum in China. Parassitologia, 2005, 47, 127-34.	0.5	58
67	Translating preventive chemotherapy prevalence thresholds for Schistosoma mansoni from the Kato-Katz technique into the point-of-care circulating cathodic antigen diagnostic test. PLoS Neglected Tropical Diseases, 2018, 12, e0006941.	1.3	57
68	Bayesian geostatistical modelling for mapping schistosomiasis transmission. Parasitology, 2009, 136, 1695-1705.	0.7	56
69	Rapid urban malaria appraisal (RUMA) in sub-Saharan Africa. Malaria Journal, 2005, 4, 40.	0.8	55
70	Urban agricultural land use and characterization of mosquito larval habitats in a medium-sized town of CÃ´te d'Ivoire. Journal of Vector Ecology, 2006, 31, 319-333.	0.5	54
71	Models for short term malaria prediction in Sri Lanka. Malaria Journal, 2008, 7, 76.	0.8	54
72	Bayesian Geostatistical Modeling of Malaria Indicator Survey Data in Angola. PLoS ONE, 2010, 5, e9322.	1.1	54

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73	Urban farming and malaria risk factors in a medium-sized town in Cote d'Ivoire. American Journal of Tropical Medicine and Hygiene, 2006, 75, 1223-31.	0.6	54
74	A Randomized Placebo-Controlled Phase Ia Malaria Vaccine Trial of Two Virosome-Formulated Synthetic Peptides in Healthy Adult Volunteers. PLoS ONE, 2007, 2, e1018.	1.1	53
75	Mapping malaria risk among children in CÃ´te dâ€™Ivoire using Bayesian geo-statistical models. Malaria Journal, 2012, 11, 160.	0.8	53
76	Spatial distribution of Biomphalaria spp., the intermediate host snails of Schistosoma mansoni, in Brazil. Geospatial Health, 2012, 6, 95.	0.3	53
77	Assessment of global guidelines for preventive chemotherapy against schistosomiasis and soil-transmitted helminthiasis: a cost-effectiveness modelling study. Lancet Infectious Diseases, The, 2016, 16, 1065-1075.	4.6	53
78	Estimating the Burden of Malaria in Senegal: Bayesian Zero-Inflated Binomial Geostatistical Modeling of the MIS 2008 Data. PLoS ONE, 2012, 7, e32625.	1.1	53
79	Bayesian Spatio-Temporal Modeling of Schistosoma japonicum Prevalence Data in the Absence of a Diagnostic â€˜Goldâ€™ Standard. PLoS Neglected Tropical Diseases, 2008, 2, e250.	1.3	52
80	Efficacy of Praziquantel against Schistosoma mekongi and Opisthorchis viverrini: A Randomized, Single-Blinded Dose-Comparison Trial. PLoS Neglected Tropical Diseases, 2012, 6, e1726.	1.3	51
81	Modelling the geographical distribution of soil-transmitted helminth infections in Bolivia. Parasites and Vectors, 2013, 6, 152.	1.0	51
82	Effects of vector-control interventions on changes in risk of malaria parasitaemia in sub-Saharan Africa: a spatial and temporal analysis. The Lancet Global Health, 2014, 2, e601-e615.	2.9	51
83	Bayesian geostatistical modelling of PM10 and PM2.5 surface level concentrations in Europe using high-resolution satellite-derived products. Environment International, 2018, 121, 57-70.	4.8	51
84	Mapping malaria risk in West Africa using a Bayesian nonparametric non-stationary model. Computational Statistics and Data Analysis, 2009, 53, 3358-3371.	0.7	50
85	Spatial and temporal dynamics of malaria transmission in rural Western Kenya. Parasites and Vectors, 2012, 5, 86.	1.0	50
86	Bayesian geostatistical modelling of soil-transmitted helminth survey data in the Peopleâ€™s Republic of China. Parasites and Vectors, 2013, 6, 359.	1.0	50
87	Effect of temperature on the development of Schistosoma japonicum within Oncomelania hupensis, and hibernation of O. hupensis. Parasitology Research, 2007, 100, 695-700.	0.6	49
88	Predictive risk mapping of schistosomiasis in Brazil using Bayesian geostatistical models. Acta Tropica, 2014, 132, 57-63.	0.9	49
89	Mapping and predicting malaria transmission in the Peopleâ€™s Republic of China, using integrated biology-driven and statistical models. Geospatial Health, 2010, 5, 11.	0.3	47
90	BAYESIAN SPATIAL RISK PREDICTION OF SCHISTOSOMA MANSONI INFECTION IN WESTERN CÃ”TE Dâ€™IVOIRE USING A REMOTELY-SENSED DIGITAL ELEVATION MODEL. American Journal of Tropical Medicine and Hygiene, 2007, 76, 956-963.	0.6	47

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91	Malaria transmission dynamics in central Cote d'Ivoire: the influence of changing patterns of irrigated rice agriculture. Medical and Veterinary Entomology, 2005, 19, 27-37.	0.7	46
92	Remote sensing for predicting potential habitats of Oncomelania hupensis in Hongze, Baima and Gaoyou lakes in Jiangsu province, China. Geospatial Health, 2006, 1, 85.	0.3	46
93	Occurrence of and risk factors for Strongyloides stercoralis infection in South-East Asia. Acta Tropica, 2016, 159, 227-238.	0.9	45
94	Spatially Explicit Burden Estimates of Malaria in Tanzania: Bayesian Geostatistical Modeling of the Malaria Indicator Survey Data. PLoS ONE, 2012, 7, e23966.	1.1	44
95	Spatially-explicit risk profiling of Plasmodium falciparum infections at a small scale: a geostatistical modelling approach. Malaria Journal, 2008, 7, 111.	0.8	43
96	Infection and Co-infection with Helminths and Plasmodium among School Children in CÃ´te dâ€™Ivoire: Results from a National Cross-Sectional Survey. PLoS Neglected Tropical Diseases, 2014, 8, e2913.	1.3	43
97	Geostatistical modelling of malaria indicator survey data to assess the effects of interventions on the geographical distribution of malaria prevalence in children less than 5 years in Uganda. PLoS ONE, 2017, 12, e0174948.	1.1	43
98	Spatio-temporal distribution of soil-transmitted helminth infections in Brazil. Parasites and Vectors, 2014, 7, 440.	1.0	42
99	Modeling and Validation of Environmental Suitability for Schistosomiasis Transmission Using Remote Sensing. PLoS Neglected Tropical Diseases, 2015, 9, e0004217.	1.3	42
100	Health status, behavior, and care utilization in the Geneva Gay Men's Health Survey. Preventive Medicine, 2007, 44, 70-75.	1.6	41
101	Mapping and prediction of schistosomiasis in Nigeria using compiled survey data and Bayesian geospatial modelling. Geospatial Health, 2013, 7, 355.	0.3	41
102	Estimation of infection and recovery rates for highly polymorphic parasites when detectability is imperfect, using hidden Markov models. Statistics in Medicine, 2003, 22, 1709-1724.	0.8	40
103	Rice irrigation and schistosomiasis in savannah and forest areas of CÃ´te dâ€™Ivoire. Acta Tropica, 2005, 93, 201-211.	0.9	39
104	Antibodies against Plasmodium falciparum vaccine candidates in infants in an area of intense and perennial transmission: relationships with clinical malaria and with entomological inoculation rates. Parasite Immunology, 1999, 21, 307-317.	0.7	38
105	Rapid Urban Malaria Appraisal (RUMA) IV: epidemiology of urban malaria in Cotonou (Benin). Malaria Journal, 2006, 5, 45.	0.8	37
106	A methodological framework for the improved use of routine health system data to evaluate national malaria control programs: evidence from Zambia. Population Health Metrics, 2014, 12, 30.	1.3	37
107	Bayesian Geostatistical Model-Based Estimates of Soil-Transmitted Helminth Infection in Nigeria, Including Annual Deworming Requirements. PLoS Neglected Tropical Diseases, 2015, 9, e0003740.	1.3	37
108	Disparities of Plasmodium falciparum infection, malaria-related morbidity and access to malaria prevention and treatment among school-aged children: a national cross-sectional survey in CÃ´te dâ€™Ivoire. Malaria Journal, 2015, 14, 7.	0.8	37

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109	A GROWING DEGREE-DAYS BASED TIME-SERIES ANALYSIS FOR PREDICTION OF SCHISTOSOMA JAPONICUM TRANSMISSION IN JIANGSU PROVINCE, CHINA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 549-555.	0.6	37
110	Bayesian geostatistical modelling of malaria and lymphatic filariasis infections in Uganda: predictors of risk and geographical patterns of co-endemicity. Malaria Journal, 2011, 10, 298.	0.8	36
111	Young and vulnerable: Spatial-temporal trends and risk factors for infant mortality in rural South Africa (Agincourt), 1992-2007. BMC Public Health, 2010, 10, 645.	1.2	35
112	Bayesian analysis of zero inflated spatiotemporal HIV/TB child mortality data through the INLA and SPDE approaches: Applied to data observed between 1992 and 2010 in rural North East South Africa. International Journal of Applied Earth Observation and Geoinformation, 2013, 22, 86-98.	1.4	35
113	Spatial analysis and risk mapping of soil-transmitted helminth infections in Brazil, using Bayesian geostatistical models. Geospatial Health, 2013, 8, 97.	0.3	35
114	Generalized Seasonal Autoregressive Integrated Moving Average Models for Count Data with Application to Malaria Time Series with Low Case Numbers. PLoS ONE, 2013, 8, e65761.	1.1	35
115	A Bayesian approach to estimate the age-specific prevalence of Schistosoma mansoni and implications for schistosomiasis control. International Journal for Parasitology, 2007, 37, 1491-1500.	1.3	34
116	Bayesian Analysis of Ring-Recovery Data Via Markov Chain Monte Carlo Simulation. Biometrics, 1995, 51, 687.	0.8	33
117	Bayesian spatial risk prediction of Schistosoma mansoni infection in western CÃ´te d'Ivoire using a remotely-sensed digital elevation model. American Journal of Tropical Medicine and Hygiene, 2007, 76, 956-63.	0.6	33
118	The spatial distribution of Anopheles gambiae sensu stricto and An. arabiensis (Diptera: Culicidae) in Mali. Geospatial Health, 2007, 1, 213.	0.3	32
119	Bayesian risk maps for Schistosoma mansoni and hookworm mono-infections in a setting where both parasites co-exist. Geospatial Health, 2007, 2, 85.	0.3	32
120	Bayesian Receiver Operating Characteristic Estimation of Multiple Tests for Diagnosis of Bovine Tuberculosis in Chadian Cattle. PLoS ONE, 2009, 4, e8215.	1.1	32
121	Spatial effects of the social marketing of insecticide-treated nets on malaria morbidity. Tropical Medicine and International Health, 2005, 10, 11-18.	1.0	31
122	Diagnostic comparison between FECPAKG2 and the Kato-Katz method for analyzing soil-transmitted helminth eggs in stool. PLoS Neglected Tropical Diseases, 2018, 12, e0006562.	1.3	31
123	An immigrationâ€“death model to estimate the duration of malaria infection when detectability of the parasite is imperfect. Statistics in Medicine, 2005, 24, 3269-3288.	0.8	30
124	Survived infancy but still vulnerable: spatial-temporal trends and risk factors for child mortality in the Agincourt rural sub-district, South Africa, 1992-2007. Geospatial Health, 2011, 5, 285.	0.3	30
125	Interactions between climatic changes and intervention effects on malaria spatio-temporal dynamics in Uganda. Parasite Epidemiology and Control, 2018, 3, e00070.	0.6	30
126	Malaria transmission dynamics in Niono, Mali: The effect of the irrigation systems. Acta Tropica, 2007, 101, 232-240.	0.9	29

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127	Spatial risk profiling of Schistosoma japonicum in Eryuan county, Yunnan province, China. Geospatial Health, 2007, 2, 59.	0.3	29
128	Strongyloides stercoralis and hookworm co-infection: spatial distribution and determinants in Preah Vihear Province, Cambodia. Parasites and Vectors, 2018, 11, 33.	1.0	29
129	A systematic literature review of schistosomiasis in urban and peri-urban settings. PLoS Neglected Tropical Diseases, 2021, 15, e0008995.	1.3	29
130	Reduction in the prevalence and intensity of hookworm infections after praziquantel treatment for schistosomiasis infection. International Journal for Parasitology, 2002, 32, 759-765.	1.3	28
131	The Regional Network for Asian Schistosomiasis and Other Helminth Zoonoses (RNAS+). Advances in Parasitology, 2010, 73, 101-135.	1.4	28
132	Statistical methodological issues in mapping historical schistosomiasis survey data. Acta Tropica, 2013, 128, 345-352.	0.9	28
133	Risk mapping of clonorchiasis in the Peopleâ€™s Republic of China: A systematic review and Bayesian geostatistical analysis. PLoS Neglected Tropical Diseases, 2017, 11, e0005239.	1.3	28
134	Environmental characteristics in oligotrophic waters: Data evaluation and statistical limitations in water quality studies. Environmental Monitoring and Assessment, 1991, 18, 211-220.	1.3	27
135	RANDOM SPATIAL DISTRIBUTION OF SCHISTOSOMA MANSONI AND HOOKWORM INFECTIONS AMONG SCHOOL CHILDREN WITHIN A SINGLE VILLAGE. Journal of Parasitology, 2003, 89, 686-692.	0.3	27
136	The contribution of spatial analysis to understanding HIV/TB mortality in children: a structural equation modelling approach. Global Health Action, 2013, 6, 19266.	0.7	27
137	Using health and demographic surveillance system (HDSS) data to analyze geographical distribution of socio-economic status; an experience from KEMRI/CDC HDSS. Acta Tropica, 2015, 144, 24-30.	0.9	27
138	Association between Childhood Diarrhoeal Incidence and Climatic Factors in Urban and Rural Settings in the Health District of Mbour, Senegal. International Journal of Environmental Research and Public Health, 2017, 14, 1049.	1.2	27
139	Bayesian geostatistical modelling of high-resolution <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si91.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="italic">NO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:m exposure in Europe combining data from monitors, satellites and chemical transport models. Environment International, 2020, 138, 105578.	4.8	27
140	Apparent tolerance of Plasmodium falciparum in infants in a highly endemic area. Parasitology, 2000, 120, 1-9.	0.7	26
141	Spatial patterns of child growth in Papua New Guinea and their relation to environment, diet, socio-economic status and subsistence activities. Annals of Human Biology, 2001, 28, 263-280.	0.4	26
142	Spatial distribution of the chromosomal forms of anopheles gambiae in Mali. Malaria Journal, 2008, 7, 205.	0.8	26
143	Determining Treatment Needs at Different Spatial Scales Using Geostatistical Model-Based Risk Estimates of Schistosomiasis. PLoS Neglected Tropical Diseases, 2012, 6, e1773.	1.3	26
144	Severe Morbidity Due to Opisthorchis viverrini and Schistosoma mekongi Infection in Lao People's Democratic Republic. Clinical Infectious Diseases, 2012, 55, e54-e57.	2.9	26

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145	Cancer survivors in Switzerland: a rapidly growing population to care for. BMC Cancer, 2013, 13, 287.	1.1	26
146	8. Effect of iron supplementation and malaria prophylaxis in infants on Plasmodium falciparum genotypes and multiplicity of infection. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1999, 93, 41-45.	0.7	25
147	Modelling heterogeneity in malaria transmission using large sparse spatio-temporal entomological data. Global Health Action, 2014, 7, 22682.	0.7	25
148	The contribution of malaria control interventions on spatio-temporal changes of parasitaemia risk in Uganda during 2009â€“2014. Parasites and Vectors, 2017, 10, 450.	1.0	25
149	Species-specific field testing of Entamoeba spp. in an area of high endemicity. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2002, 96, 521-528.	0.7	24
150	Spatial effects of mosquito bednets on child mortality. BMC Public Health, 2008, 8, 356.	1.2	24
151	Spatio-temporal modeling of sparse geostatistical malaria sporozoite rate data using a zero inflated binomial model. Spatial and Spatio-temporal Epidemiology, 2011, 2, 283-290.	0.9	24
152	A Bayesian generalized ageâ€“periodâ€“cohort power model for cancer projections. Statistics in Medicine, 2014, 33, 4627-4636.	0.8	24
153	Assessing the relationship between environmental factors and malaria vector breeding sites in Swaziland using multi-scale remotely sensed data. Geospatial Health, 2015, 10, 302.	0.3	24
154	Geostatistical modelling of soil-transmitted helminth infection in Cambodia: Do socioeconomic factors improve predictions?. Acta Tropica, 2015, 141, 204-212.	0.9	24
155	Effectiveness of the innovative 1,7-malaria reactive community-based testing and response (1, 7-mRCTR) approach on malaria burden reduction in Southeastern Tanzania. Malaria Journal, 2020, 19, 292.	0.8	24
156	Challenges of DHS and MIS to capture the entire pattern of malaria parasite risk and intervention effects in countries with different ecological zones: the case of Cameroon. Malaria Journal, 2018, 17, 156.	0.8	23
157	Malaria-anemia comorbidity prevalence as a measure of malaria-related deaths in sub-Saharan Africa. Scientific Reports, 2019, 9, 11323.	1.6	23
158	Bayesian Risk Mapping and Model-Based Estimation of Schistosoma haematobiumâ€“Schistosoma mansoni Co-distribution in CÃ´te dâ€²Ivoire. PLoS Neglected Tropical Diseases, 2014, 8, e3407.	1.3	22
159	Risk Profiling of Hookworm Infection and Intensity in Southern Lao Peopleâ€™s Democratic Republic Using Bayesian Models. PLoS Neglected Tropical Diseases, 2015, 9, e0003486.	1.3	22
160	Assessing the effects of malaria interventions on the geographical distribution of parasitaemia risk in Burkina Faso. Malaria Journal, 2016, 15, 228.	0.8	22
161	Ecological Drivers of Mansonella perstans Infection in Uganda and Patterns of Co-endemicity with Lymphatic Filariasis and Malaria. PLoS Neglected Tropical Diseases, 2016, 10, e0004319.	1.3	22
162	Infant and child mortality in relation to malaria transmission in KEMRI/CDC HDSS, Western Kenya: validation of verbal autopsy. Malaria Journal, 2018, 17, 37.	0.8	21

#	Article	IF	Citations
163	The spatial distribution of Schistosoma mansoni infection in four regions of western CÃ´te dâ€™Ivoire. Geospatial Health, 2015, 10, 345.	0.3	20
164	The effect of case management and vector-control interventions on spaceâ€“time patterns of malaria incidence in Uganda. Malaria Journal, 2018, 17, 162.	0.8	20
165	Measuring health facility readiness and its effects on severe malaria outcomes in Uganda. Scientific Reports, 2018, 8, 17928.	1.6	20
166	Health in the 2030 Agenda for Sustainable Development: from framework to action, transforming challenges into opportunities. Journal of Global Health, 2019, 9, 020201.	1.2	20
167	Strongyloides stercoralis: Spatial distribution of a highly prevalent and ubiquitous soil-transmitted helminth in Cambodia. PLoS Neglected Tropical Diseases, 2019, 13, e0006943.	1.3	20
168	Spatial modelling of multinomial data with latent structure: an application to geographical mapping of human gene and haplotype frequencies. Biostatistics, 2000, 1, 177-189.	0.9	19
169	The distribution of Biomphalaria (Gastropoda: Planorbidae) in Lake Victoria with ecological and spatial predictions using Bayesian modelling. Hydrobiologia, 2012, 683, 249-264.	1.0	19
170	The relative contribution of climate variability and vector control coverage to changes in malaria parasite prevalence in Zambia 2006â€“2012. Parasites and Vectors, 2016, 9, 431.	1.0	19
171	Malaria seasonality and rainfall seasonality in Sri Lanka are correlated in space. Geospatial Health, 2008, 2, 183.	0.3	18
172	Effect of agricultural activities on prevalence rates, and clinical and presumptive malaria episodes in central CÃ´te dâ€™Ivoire. Acta Tropica, 2009, 111, 268-274.	0.9	18
173	Spatial risk profiling of Plasmodium falciparum parasitaemia in a high endemicity area in CÃ´te d'Ivoire. Malaria Journal, 2009, 8, 252.	0.8	18
174	Review of remotely sensed data products for disease mapping and epidemiology. Remote Sensing Applications: Society and Environment, 2019, 14, 108-118.	0.8	18
175	Bayesian age-stage modelling of Plasmodium falciparum sequestered parasite loads in severe malaria patients. Parasitology, 2004, 129, 289-299.	0.7	17
176	Geostatistical modelling of the malaria risk in Mozambique: effect of the spatial resolution when using remotely-sensed imagery. Geospatial Health, 2015, 10, 333.	0.3	17
177	Bayesian variable selection in modelling geographical heterogeneity in malaria transmission from sparse data: an application to Nouna Health and Demographic Surveillance System (HDSS) data, Burkina Faso. Parasites and Vectors, 2015, 8, 118.	1.0	17
178	Bayesian risk profiling of soil-transmitted helminth infections and estimates of preventive chemotherapy for school-aged children in CÃ´te d'Ivoire. Parasites and Vectors, 2016, 9, 162.	1.0	17
179	Risk profiling of soil-transmitted helminth infection and estimated number of infected people in South Asia: A systematic review and Bayesian geostatistical Analysis. PLoS Neglected Tropical Diseases, 2019, 13, e0007580.	1.3	17
180	A growing degree-days based time-series analysis for prediction of Schistosoma japonicum transmission in Jiangsu province, China. American Journal of Tropical Medicine and Hygiene, 2006, 75, 549-55.	0.6	17

#	Article	IF	Citations
181	Spatial dispersion and characterisation of mosquito breeding habitats in urban vegetable-production areas of Abidjan, CÃ´te d'Ivoire. Annals of Tropical Medicine and Parasitology, 2010, 104, 649-666.	1.6	16
182	Triage conducted by lay-staff and emergency training reduces paediatric mortality in the emergency department of a rural hospital in Northern Mozambique. African Journal of Emergency Medicine, 2019, 9, 172-176.	0.4	16
183	Space-time confounding adjusted determinants of child HIV/TB mortality for large zero-inflated data in rural South Africa. Spatial and Spatio-temporal Epidemiology, 2011, 2, 205-217.	0.9	15
184	Modelling the geographical distribution of coâ€infection risk from singleâ€disease surveys. Statistics in Medicine, 2011, 30, 1761-1776.	0.8	15
185	Spatio-temporal modelling of changes in air pollution exposure associated to the COVID-19 lockdown measures across Europe. Science of the Total Environment, 2021, 787, 147607.	3.9	15
186	The potential of pregnant women as a sentinel population for malaria surveillance. Malaria Journal, 2019, 18, 370.	0.8	14
187	Associations between infection intensity categories and morbidity prevalence in school-age children are much stronger for Schistosoma haematobium than for S. mansoni. PLoS Neglected Tropical Diseases, 2021, 15, e0009444.	1.3	14
188	Substantial Reduction in Particulate Matter Air Pollution across Europe during 2006â€“2019: A Spatiotemporal Modeling Analysis. Environmental Science & Technology, 2021, 55, 15505-15518.	4.6	14
189	Modelling age-heterogeneous Schistosoma haematobium and S. mansoni survey data via alignment factors. Parasites and Vectors, 2011, 4, 142.	1.0	13
190	Modelling the ecological niche of hookworm in Brazil based on climate. Geospatial Health, 2012, 6, 111.	0.3	13
191	Micro-scale investigation of intestinal schistosomiasis transmission on Ngamba and Kimi islands, Lake Victoria, Uganda. Acta Tropica, 2013, 128, 353-364.	0.9	13
192	Relationship between child survival and malaria transmission: an analysis of the malaria transmission intensity and mortality burden across Africa (MTIMBA) project data in Rufiji demographic surveillance system, Tanzania. Malaria Journal, 2014, 13, 124.	0.8	13
193	Impact of mammography screening programmes on breast cancer mortality in Switzerland, a country with different regional screening policies. BMJ Open, 2018, 8, e017806.	0.8	13
194	The effects and contribution of childhood diseases on the geographical distribution of all-cause under-five mortality in Uganda. Parasite Epidemiology and Control, 2019, 5, e00089.	0.6	13
195	Modelling the relationship between malaria prevalence as a measure of transmission and mortality across age groups. Malaria Journal, 2019, 18, 247.	0.8	12
196	Dynamics of people's socio-economic status in the face of schistosomiasis control interventions in Ukerewe district, Tanzania. Acta Tropica, 2013, 128, 399-406.	0.9	11
197	Distribution of intermediate host snails of schistosomiasis and fascioliasis in relation to environmental factors during the dry season in the Tchologo region, CÃ´te dâ€™Ivoire. Advances in Water Resources, 2017, 108, 386-396.	1.7	11
198	Constructing a malaria-related health service readiness index and assessing its association with child malaria mortality: an analysis of the Burkina Faso 2014 SARA data. BMC Public Health, 2021, 21, 20.	1.2	11

#	Article	IF	Citations
199	SPATIAL ANALYSIS OF MALARIA TRANSMISSION PARAMETERS IN THE RICE CULTIVATION AREA OF OFFICE DU NIGER, MALI. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1009-1015.	0.6	11
200	Mortality atlas of the main causes of death in Switzerland, 2008â€“2012. Swiss Medical Weekly, 2016, 146, w14280.	0.8	11
201	The economic impact of schistosomiasis. Infectious Diseases of Poverty, 2021, 10, 134.	1.5	11
202	40Âyears of progress in female cancer death risk: a Bayesian spatio-temporal mapping analysis in Switzerland. BMC Cancer, 2015, 15, 666.	1.1	10
203	Estimating true prevalence of Schistosoma mansoni from population summary measures based on the Kato-Katz diagnostic technique. PLoS Neglected Tropical Diseases, 2021, 15, e0009310.	1.3	10
204	Assessing seasonal variations and age patterns in mortality during the first year of life in Tanzania. Acta Tropica, 2013, 126, 28-36.	0.9	9
205	Use of an ecologically relevant modelling approach to improve remote sensing-based schistosomiasis risk profiling. Geospatial Health, 2015, 10, 398.	0.3	9
206	Spatial mapping and prediction of Plasmodium falciparum infection risk among school-aged children in CÃ´te dâ€™Ivoire. Parasites and Vectors, 2016, 9, 494.	1.0	9
207	Bayesian spatio-temporal modeling of mortality in relation to malaria incidence in Western Kenya. PLoS ONE, 2017, 12, e0180516.	1.1	9
208	Evaluating survey designs for targeting preventive chemotherapy against Schistosoma haematobium and Schistosoma mansoni across sub-Saharan Africa: a geostatistical analysis and modelling study. Parasites and Vectors, 2020, 13, 555.	1.0	9
209	Logistic regression and latent class models for estimating positivities in diagnostic assays with poor resolution. Communications in Statistics - Theory and Methods, 1997, 26, 1677-1700.	0.6	8
210	Subsistence agriculture and child growth in Papua New Guinea. Ecology of Food and Nutrition, 2001, 40, 367-395.	0.8	8
211	Low prevalence of Plasmodium and absence of malaria transmission in Conakry, Guinea: prospects for elimination. Malaria Journal, 2016, 15, 175.	0.8	8
212	Spatial analysis of malaria transmission parameters in the rice cultivation area of Office du Niger, Mali. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1009-15.	0.6	8
213	Bayesian spatio-temporal modelling of tobacco-related cancer mortality in Switzerland. Geospatial Health, 2013, 7, 219.	0.3	7
214	Comparison of the spatial patterns of schistosomiasis in Zimbabwe at two points in time, spaced twenty-nine years apart: is climate variability of importance?. Geospatial Health, 2017, 12, 505.	0.3	7
215	Control and Elimination of Schistosomiasis as a Public Health Problem: Thresholds Fail to Differentiate Schistosomiasis Morbidity Prevalence in Children. Open Forum Infectious Diseases, 2021, 8, ofab179.	0.4	7
216	Fitting Generalized Linear Mixed Models For Point-Referenced Spatial Data. Journal of Modern Applied Statistical Methods, 2003, 2, 497-511.	0.2	6

#	Article	IF	Citations
217	Non-stationary partition modeling of geostatistical data for malaria risk mapping. Journal of Applied Statistics, 2011, 38, 3-13.	0.6	5
218	Using lung cancer mortality to indirectly approximate smoking patterns in space. Spatial and Spatio-temporal Epidemiology, 2015, 14-15, 23-31.	0.9	5
219	Geographical variation in the association of child, maternal and household health interventions with under-five mortality in Burkina Faso. PLoS ONE, 2019, 14, e0218163.	1.1	5
220	Geographical variations of the associations between health interventions and all-cause under-five mortality in Uganda. BMC Public Health, 2019, 19, 1330.	1.2	5
221	The INSPIRE Population Survey: development, dissemination and respondent characteristics. BMC Medical Research Methodology, 2021, 21, 131.	1.4	5
222	Urogenital schistosomiasis infection prevalence targets to determine elimination as a public health problem based on microhematuria prevalence in school-age children. PLoS Neglected Tropical Diseases, 2021, 15, e0009451.	1.3	5
223	Self-rated health: Small area large area comparisons amongst older adults at the state, district and sub-district level in India. Health and Place, 2014, 26, 31-38.	1.5	4
224	Features of domestic dog demography relevant to rabies control planning in tanzania. Journal of Veterinary Behavior: Clinical Applications and Research, 2009, 4, 63.	0.5	3
225	Accuracy of different diagnostic techniques for Schistosoma haematobium to estimate treatment needs in Zimbabwe: Application of a hierarchical Bayesian egg count model. PLoS Neglected Tropical Diseases, 2020, 14, e0008451.	1.3	3
226	Tobacco-related cancer mortality: projections for different geographical regions in Switzerland. Swiss Medical Weekly, 2013, 143, w13771.	0.8	3
227	Infection intensity-dependent accuracy of reagent strip for the diagnosis of Schistosoma haematobium and estimation of treatment prevalence thresholds. PLoS Neglected Tropical Diseases, 2022, 16, e0010332.	1.3	3
228	Spatial modelling of gene frequencies in the presence of undetectable alleles. Journal of Applied Statistics, 2003, 30, 49-62.	0.6	1
229	Strategies for Fitting Large, Geostatistical Data in MCMC Simulation. Communications in Statistics Part B: Simulation and Computation, 2006, 35, 331-345.	0.6	1
230	Spatio-temporal statistics: applications in epidemiology, veterinary medicine and ecology. Geospatial Health, 2016, 11, 469.	0.3	1
231	Regional differences and trends in breast cancer surgical procedures and their relation to socioeconomic disparities and screening patterns. Zeitschrift Fur Gesundheitswissenschaften, 2020, 28, 71-80.	0.8	1
232	SP5-9 Geographical distribution of schistosomiasis and its control in Nigeria. Journal of Epidemiology and Community Health, 2011, 65, A447-A447.	2.0	0
233	Concomitant Plasmodium falciparum and intestinal helminth infections in a rural community of southern CÃ´te dâ€™Ivoire. Malaria Journal, 2012, 11, .	0.8	0