Xavier RodÃ³

List of Publications by Year
in descending order

102 papers	5,893 citations	108046 37 h-index	93651 72 g-index
113 all docs	113 docs citations	113 times ranked	8891 citing authors

#	Article	IF	Citations
1	The role of outdoor and indoor air quality in the spread of SARS-CoV-2: Overview and recommendations by the research group on COVID-19 and particulate matter (RESCOP commission). Environmental Research, 2022, 211, 113038.	3.7	42
2	The 2018â€"2019 weak El NiÃ±o: Predicting the risk of a dengue outbreak in Machala, Ecuador. International Journal of Climatology, 2021, 41, 3813-3823.	1.5	9
3	A modified SEIR model to predict the COVID-19 outbreak in Spain and Italy: Simulating control scenarios and multi-scale epidemics. Results in Physics, 2021, 21, 103746.	2.0	182
4	Malaria trends in Ethiopian highlands track the 2000 â€˜slowdownâ€™ in global warming. Nature Communications, 2021, 12, 1555.	5.8	19
5	Changing climate and the COVID-19 pandemic: more than just heads or tails. Nature Medicine, 2021, 27, 576-579.	15.2	44
6	COVID-19 Pandemic Sets New Clues on the Transmission Pathways in Kawasaki Disease. JAMA Network Open, 2021, 4, e214624.	2.8	1
7	Projections of temperature-attributable mortality in Europe: a time series analysis of 147 contiguous regions in 16 countries. Lancet Planetary Health, The, 2021, 5, e446-e454.	5.1	59
8	Seasonality reversal of temperature attributable mortality projections due to previously unobserved extreme heat in Europe. Lancet Planetary Health, The, 2021, 5, e573-e575.	5.1	12
9	Does death from Covid-19 arise from a multi-step process?. European Journal of Epidemiology, 2021, 36, 1-9.	2.5	11
10	Climatic signatures in the different COVID-19 pandemic waves across both hemispheres. Nature Computational Science, 2021, 1, 655-665.	3.8	49
11	Multiyear Statistical Prediction of ENSO Enhanced by the Tropical Pacific Observing System. Journal of Climate, 2020, 33, 163-174.	1.2	14
12	A framework for research linking weather, climate and COVID-19. Nature Communications, 2020, 11, 5730.	5.8	44
13	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO₂measurements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190513.	1.8	31
14	The end of social confinement and COVID-19 re-emergence risk. Nature Human Behaviour, 2020, 4, 746-755.	6.2	197
15	Long-term persistence of monotypic dengue transmission in small size isolated populations, French Polynesia, 1978-2014. PLoS Neglected Tropical Diseases, 2020, 14, e0008110.	1.3	9
16	Expertsâ€™ request to the Spanish Government: move Spain towards complete lockdown. Lancet, The, 2020, 395, 1193-1194.	6.3	63
17	A realistic two-strain model for MERS-CoV infection uncovers the high risk for epidemic propagation. PLoS Neglected Tropical Diseases, 2020, 14, e0008065.	1.3	27
18	Correlation between work impairment, scores of rhinitis severity and asthma using the MASKâ€air^{Â®} App. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1672-1688.	2.7	32

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19	Next-generation ARIA care pathways for rhinitis and asthma: a model for multimorbid chronic diseases. Clinical and Translational Allergy, 2019, 9, 44.	1.4	87
20	Climate change, cyclones and cholera - Implications for travel medicine and infectious diseases. Travel Medicine and Infectious Disease, 2019, 29, 6-7.	1.5	6
21	Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. Clinical and Translational Allergy, 2019, 9, 16.	1.4	81
22	Sensitivity of large dengue epidemics in Ecuador to long-lead predictions of El NiÃ±o. Climate Services, 2019, 15, 100096.	1.0	7
23	Effect of the Great Recession on regional mortality trends in Europe. Nature Communications, 2019, 10, 679.	5.8	39
24	An open challenge to advance probabilistic forecasting for dengue epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24268-24274.	3.3	136
25	On the interpretation of the atmospheric mechanism transporting the environmental trigger of Kawasaki Disease. PLoS ONE, 2019, 14, e0226402.	1.1	9
26	Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. Journal of Allergy and Clinical Immunology, 2019, 143, 864-879.	1.5	103
27	MASK 2017: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma multimorbidity using real-world-evidence. Clinical and Translational Allergy, 2018, 8, 45.	1.4	104
28	POLLAR: Impact of air POLLution on Asthma and Rhinitis; a European Institute of Innovation and Technology Health (EIT Health) project. Clinical and Translational Allergy, 2018, 8, 36.	1.4	70
29	Study of the daily and seasonal atmospheric CH₄ mixing ratio variability in a rural Spanish region using ²²²Rn tracer. Atmospheric Chemistry and Physics, 2018, 18, 5847-5860.	1.9	24
30	Geolocation with respect to personal privacy for the Allergy Diary app - a MASK study. World Allergy Organization Journal, 2018, 11, 15.	1.6	33
31	Seasonal variations in the onset of positive and negative renal ANCA-associated vasculitis in Spain. CKJ: Clinical Kidney Journal, 2018, 11, 468-473.	1.4	17
32	Improving the long-lead predictability of El NiÃ±o using a novel forecasting scheme based on a dynamic components model. Climate Dynamics, 2017, 48, 1249-1276.	1.7	27
33	Temporal and spatial variability of ground level atmospheric methane concentrations in the Ebro River Delta. Atmospheric Pollution Research, 2017, 8, 741-753.	1.8	3
34	Seasonality in cholera dynamics: A rainfall-driven model explains the wide range of patterns in endemic areas. Advances in Water Resources, 2017, 108, 357-366.	1.7	15
35	Kawasaki disease is more prevalent in rural areas of Catalonia (Spain). Anales De PediatrÃa (English) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	1
36	Timing of subsurface heat magnitude for the growth of El NiÃ±o events. Geophysical Research Letters, 2017, 44, 8501-8509.	1.5	4

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37	Climate services for health: predicting the evolution of the 2016 dengue season in Machala, Ecuador. Lancet Planetary Health, The, 2017, 1, e142-e151.	5.1	97
38	Cholera forecast for Dhaka, Bangladesh, with the 2015-2016 El NiÃ±o: Lessons learned. PLoS ONE, 2017, 12, e0172355.	1.1	16
39	Advantages of using a fast urban boundary layer model as compared to a full mesoscale model to simulate the urban heat island of Barcelona. Geoscientific Model Development, 2016, 9, 4439-4450.	1.3	18
40	Evaluation of an Early-Warning System for Heat Wave-Related Mortality in Europe: Implications for Sub-seasonal to Seasonal Forecasting and Climate Services. International Journal of Environmental Research and Public Health, 2016, 13, 206.	1.2	39
41	European seasonal mortality and influenza incidence due to winter temperature variability. Nature Climate Change, 2016, 6, 927-930.	8.1	28
42	Sensitivity of El NiÃ±o intensity and timing to preceding subsurface heat magnitude. Scientific Reports, 2016, 6, 36344.	1.6	18
43	Analysis of groundâ€based ²²²Rn measurements over Spain: Filling the gap in southwestern Europe. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,021.	1.2	10
44	Revisiting the role of environmental and climate factors on the epidemiology of Kawasaki disease. Annals of the New York Academy of Sciences, 2016, 1382, 84-98.	1.8	21
45	Influence of long-range atmospheric transport pathways and climate teleconnection patterns on the variability of surface 210Pb and 7Be concentrations in southwestern Europe. Journal of Environmental Radioactivity, 2016, 165, 103-114.	0.9	16
46	Seasonal forecasting and health impact models: challenges and opportunities. Annals of the New York Academy of Sciences, 2016, 1382, 8-20.	1.8	15
47	El NiÃ±oâ€based malaria epidemic warning for Oromia, Ethiopia, from August 2016 to July 2017. Tropical Medicine and International Health, 2016, 21, 1481-1488.	1.0	15
48	Human health in the face of climate change. Annals of the New York Academy of Sciences, 2016, 1382, 3-7.	1.8	1
49	Heat advection processes leading to El NiÃ±o events as depicted by an ensemble of ocean assimilation products. Journal of Geophysical Research: Oceans, 2016, 121, 3710-3729.	1.0	14
50	Modelling Climate-Sensitive Disease Risk: A Decision Support Tool for Public Health Services. Advances in Natural and Technological Hazards Research, 2016, , 115-130.	1.1	1
51	Quantifying the added value of climate information in a spatio-temporal dengue model. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2067-2078.	1.9	44
52	Barriers to Using Climate Information: Challenges in Communicating Probabilistic Forecasts to Decision-Makers. Advances in Natural and Technological Hazards Research, 2016, , 95-113.	1.1	12
53	Evaluating probabilistic dengue risk forecasts from a prototype early warning system for Brazil. ELife, 2016, 5, .	2.8	57
54	Evaluating the Performance of a Climate-Driven Mortality Model during Heat Waves and Cold Spells in Europe. International Journal of Environmental Research and Public Health, 2015, 12, 1279-1294.	1.2	25

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55	Evidence of viral dissemination and seasonality in a Mediterranean river catchment: Implications for water pollution management. Journal of Environmental Management, 2015, 159, 58-67.	3.8	51
56	Dynamical malaria models reveal how immunity buffers effect of climate variability. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8786-8791.	3.3	42
57	On the dynamical mechanisms explaining the western Pacific subsurface temperature buildup leading to ENSO events. Geophysical Research Letters, 2015, 42, 2961-2967.	1.5	15
58	Interpretation of probabilistic forecasts of epidemics. Lancet Infectious Diseases, The, 2015, 15, 20.	4.6	4
59	A Model for a Chikungunya Outbreak in a Rural Cambodian Setting: Implications for Disease Control in Uninfected Areas. PLoS Neglected Tropical Diseases, 2014, 8, e3120.	1.3	45
60	Tropospheric winds from northeastern China carry the etiologic agent of Kawasaki disease from its source to Japan. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7952-7957.	3.3	171
61	An agent-based model driven by tropical rainfall to understand the spatio-temporal heterogeneity of a chikungunya outbreak. Acta Tropica, 2014, 129, 61-73.	0.9	33
62	Dengue outlook for the World Cup in Brazil: an early warning model framework driven by real-time seasonal climate forecasts. Lancet Infectious Diseases, The, 2014, 14, 619-626.	4.6	108
63	Cholera and Shigellosis: Different Epidemiology but Similar Responses to Climate Variability. PLoS ONE, 2014, 9, e107223.	1.1	37
64	First estimation of CH₄fluxes using the²²²Rn Tracer Method over the central Iberian Peninsula. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	6
65	Climate change and infectious diseases: Can we meet the needs for better prediction?. Climatic Change, 2013, 118, 625-640.	1.7	88
66	Malaria epidemics and the influence of the tropical South Atlantic on the Indian monsoon. Nature Climate Change, 2013, 3, 502-507.	8.1	25
67	Kawasaki disease and ENSOâ€driven wind circulation. Geophysical Research Letters, 2013, 40, 2284-2289.	1.5	19
68	Seasonality of Kawasaki Disease: A Global Perspective. PLoS ONE, 2013, 8, e74529.	1.1	149
69	Dynamical linkage of tropical and subtropical weather systems to the intraseasonal oscillations of the Indian summer monsoon rainfall. Part I: observations. Climate Dynamics, 2012, 39, 557-574.	1.7	4
70	Dynamical linkage of tropical and subtropical weather systems to the intraseasonal oscillations of the Indian summer monsoon rainfall. Part II: Simulations in the ENSEMBLES project. Climate Dynamics, 2012, 39, 1219-1239.	1.7	1
71	Evaluation of the DEMETER performance for seasonal hindcasts of the Indian summer monsoon rainfall. International Journal of Climatology, 2012, 32, 1717-1729.	1.5	7
72	Assessing the regional surface influence through Backward Lagrangian Dispersion Models for aircraft CO₂ vertical profiles observations in NE Spain. Atmospheric Chemistry and Physics, 2011, 11, 1659-1670.	1.9	3

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73	Long-term projections and acclimatization scenarios of temperature-related mortality in Europe. Nature Communications, 2011, 2, 358.	5.8	124
74	Association of Kawasaki disease with tropospheric wind patterns. Scientific Reports, 2011, 1, 152.	1.6	150
75	A New Extratropical Tracer Describing the Role of the Western Pacific in the Onset of El NiÃ±o: Implications for ENSO Understanding and Forecasting. Journal of Climate, 2011, 24, 1425-1437.	1.2	18
76	Future changes in Central Europe heat waves expected to mostly follow summer mean warming. Climate Dynamics, 2010, 35, 1191-1205.	1.7	82
77	Changes in European temperature extremes can be predicted from changes in PDF central statistics. Climatic Change, 2010, 98, 277-284.	1.7	90
78	Seven years of recent European net terrestrial carbon dioxide exchange constrained by atmospheric observations. Global Change Biology, 2010, 16, 1317-1337.	4.2	223
79	Daily carbon surface fluxes in theWest Ebre (Ebro) watershed from aircraft profiling on late June 2007. Tellus, Series B: Chemical and Physical Meteorology, 2010, 62, 427-440.	0.8	5
80	Disentangling the Impact of ENSO and Indian Ocean Variability on the Regional Climate of Bangladesh: Implications for Cholera Risk. Journal of Climate, 2010, 23, 2817-2831.	1.2	29
81	Physical atmospheric structure and tropospheric mixing information in vertical profiles of atmospheric CO₂ mixing ratios. Journal of Geophysical Research, 2010, 115, .	3.3	2
82	Links between Tropical Pacific SST and Cholera Incidence in Bangladesh: Role of the Western Tropical and Central Extratropical Pacific. Journal of Climate, 2009, 22, 1641-1660.	1.2	13
83	Atmospheric CO₂ in situ measurements: Two examples of Crown Design flights in NE Spain. Journal of Geophysical Research, 2008, 113, .	3.3	12
84	Differing Estimates of Observed Bangladesh Summer Rainfall. Journal of Hydrometeorology, 2008, 9, 1106-1114.	0.7	9
85	Links between Tropical Pacific SST and Cholera Incidence in Bangladesh: Role of the Eastern and Central Tropical Pacific. Journal of Climate, 2008, 21, 4647-4663.	1.2	36
86	Predicting endemic cholera: the role of climate variability and disease dynamics. Climate Research, 2008, 36, 131-140.	0.4	69
87	Reconstruction of past Mediterranean climate. Eos, 2007, 88, 111-111.	0.1	6
88	A new method to detect transitory signatures and local time/space variability structures in the climate system: the scale-dependent correlation analysis. Climate Dynamics, 2006, 27, 441-458.	1.7	42
89	Chapter 3 Relations between variability in the Mediterranean region and mid-latitude variability. Developments in Earth and Environmental Sciences, 2006, , 179-226.	0.1	71
90	Malaria resurgence in the East African highlands: Temperature trends revisited. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5829-5834.	3.3	361

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91	Chapter 2 Relations between climate variability in the Mediterranean region and the tropics: ENSO, South Asian and African monsoons, hurricanes and Saharan dust. Developments in Earth and Environmental Sciences, 2006, , 149-177.	0.1	57
92	Refractory periods and climate forcing in cholera dynamics. Nature, 2005, 436, 696-700.	13.7	347
93	A primer on the study of transitory dynamics in ecological series using the scale-dependent correlation analysis. Oecologia, 2004, 138, 485-504.	0.9	24
94	El NiÃ±oâ€"Southern Oscillation: Absent in the Early Holocene?. Journal of Climate, 2004, 17, 423-426.	1.2	16
95	Interactions between the Tropics and Extratropics. , 2003, , 237-274.		2
96	ENSO and cholera: A nonstationary link related to climate change?. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12901-12906.	3.3	237
97	High-resolution saline lake sediments as enhanced tools for relating proxy paleolake records to recent climatic data series. Sedimentary Geology, 2002, 148, 203-220.	1.0	26
98	Reversal of three global atmospheric fields linking changes in SST anomalies in the Pacific, Atlantic and Indian oceans at tropical latitudes and midlatitudes. Climate Dynamics, 2001, 18, 203-217.	1.7	21
99	Links between large-scale anomalies, rainfall and wine quality in the Iberian Peninsula during the last three decades. Global Change Biology, 2000, 6, 267-273.	4.2	32
100	Cholera Dynamics and El Nino-Southern Oscillation. Science, 2000, 289, 1766-1769.	6.0	446
101	Variations in seasonal rainfall in Southern Europe during the present century: relationships with the North Atlantic Oscillation and the El NiÃ±o-Southern Oscillation. Climate Dynamics, 1997, 13, 275-284.	1.7	359
102	Spatial heterogeneity of macrophytes in Lake Gallocanta (Aragï¿½n, NE Spain). Hydrobiologia, 1993, 267, 169-178.	1.0	10