

Richard E Chandler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54 papers	3,122 citations	25 h-index	55 g-index
60 ext. papers	3,503 ext. citations	4.8 avg, IF	5.11 L-index

#	Paper	IF	Citations
54	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	1021
53	Rainfall modelling using Poisson-cluster processes: a review of developments. <i>Stochastic Environmental Research and Risk Assessment</i> , 2000 , 14, 0384-0411	3.5	179
52	Analysis of rainfall variability using generalized linear models: A case study from the west of Ireland. <i>Water Resources Research</i> , 2002 , 38, 10-1-10-11	5.4	173
51	Recent trends in groundwater levels in a highly seasonal hydrological system: the Ganges-Brahmaputra-Meghna Delta. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 2373-2385	5.5	159
50	Spatial-temporal rainfall simulation using generalized linear models. <i>Water Resources Research</i> , 2005 , 41,	5.4	131
49	Quantifying future climate change. <i>Nature Climate Change</i> , 2012 , 2, 403-409	21.4	113
48	VALUE: A framework to validate downscaling approaches for climate change studies. <i>Earth's Future</i> , 2015 , 3, 1-14	7.9	112
47	Spatial-temporal rainfall modelling for flood risk estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005 , 19, 403-416	3.5	112
46	Inference for clustered data using the independence loglikelihood. <i>Biometrika</i> , 2007 , 94, 167-183	2	102
45	Atlantic hurricanes and NW Pacific typhoons: ENSO spatial impacts on occurrence and landfall. <i>Geophysical Research Letters</i> , 2000 , 27, 1147-1150	4.9	89
44	On the use of generalized linear models for interpreting climate variability. <i>Environmetrics</i> , 2005 , 16, 699-715	1.3	86
43	A comparison of multi-site daily rainfall downscaling techniques under Australian conditions. <i>Journal of Hydrology</i> , 2011 , 408, 1-18	6	85
42	Spatial-temporal rainfall fields: modelling and statistical aspects. <i>Hydrology and Earth System Sciences</i> , 2000 , 4, 581-601	5.5	61
41	An Analysis of Daily Maximum Wind Speed in Northwestern Europe Using Generalized Linear Models. <i>Journal of Climate</i> , 2002 , 15, 2073-2088	4.4	60
40	Complex long-term biodiversity change among invertebrates, bryophytes and lichens. <i>Nature Ecology and Evolution</i> , 2020 , 4, 384-392	12.3	59
39	Statistical problems in the probabilistic prediction of climate change. <i>Environmetrics</i> , 2012 , 23, 364-372	1.3	48
38	Quantifying Sources of Uncertainty in Projections of Future Climate*. <i>Journal of Climate</i> , 2014 , 27, 8793-8808	4.4	42

37	Exploiting strength, discounting weakness: combining information from multiple climate simulators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120388	3	35
36	Changes in extreme wind speeds in NW Europe simulated by generalized linear models. <i>Theoretical and Applied Climatology</i> , 2006 , 83, 121-137	3	33
35	Multi-site stochastic modelling of daily rainfall in Uganda. <i>Hydrological Sciences Journal</i> , 2011 , 56, 17-33	3.5	32
34	A framework for interpreting climate model outputs. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2010 , 59, 279-296	1.5	31
33	Trend estimation and change point detection in individual climatic series using flexible regression methods. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		29
32	Estimating functions and the generalized method of moments. <i>Interface Focus</i> , 2011 , 1, 871-85	3.9	27
31	A generalized regression model of arsenic variations in the shallow groundwater of Bangladesh. <i>Water Resources Research</i> , 2015 , 51, 685-703	5.4	26
30	Prior specification in Bayesian occupancy modelling improves analysis of species occurrence data. <i>Ecological Indicators</i> , 2018 , 93, 333-343	5.8	25
29	Disaggregation of spatial rainfall fields for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2001 , 5, 165-173	5.5	23
28	Stochastic simulation of rainfall in the semi-arid Limpopo basin, Botswana. <i>International Journal of Climatology</i> , 2012 , 32, 1113-1127	3.5	20
27	Assessment of apparent nonstationarity in time series of annual inflow, daily precipitation, and atmospheric circulation indices: A case study from southwest Western Australia. <i>Water Resources Research</i> , 2010 , 46,	5.4	20
26	Annual estimates of occupancy for bryophytes, lichens and invertebrates in the UK, 1970-2015. <i>Scientific Data</i> , 2019 , 6, 259	8.2	19
25	Southern African Monthly Rainfall Variability: An Analysis Based on Generalized Linear Models. <i>Journal of Climate</i> , 2011 , 24, 4600-4617	4.4	18
24	Analysis of aggregation and disaggregation effects for grid-based hydrological models and the development of improved precipitation disaggregation procedures for GCMs. <i>Hydrology and Earth System Sciences</i> , 1999 , 3, 95-108	5.5	18
23	Simulation and downscaling models for potential evaporation. <i>Journal of Hydrology</i> , 2005 , 302, 239-254	6	17
22	Rainfall-derived growing season characteristics for agricultural impact assessments in South Africa. <i>Theoretical and Applied Climatology</i> , 2014 , 115, 411-426	3	16
21	A Spectral Method for Estimating Parameters in Rainfall Models. <i>Bernoulli</i> , 1997 , 3, 301	1.6	16
20	Lightning Prediction for Australia Using Multivariate Analyses of Large-Scale Atmospheric Variables. <i>Journal of Applied Meteorology and Climatology</i> , 2018 , 57, 525-534	2.7	12

19	Estimating trends and seasonality in Australian monthly lightning flash counts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 3973-3983	4.4	8
18	Building trust in climate science: data products for the 21st century. <i>Environmetrics</i> , 2012 , 23, 373-381	1.3	7
17	Classification of Australian Thunderstorms Using Multivariate Analyses of Large-Scale Atmospheric Variables. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 1921-1937	2.7	6
16	New approaches to postprocessing of multi-model ensemble forecasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019 , 145, 3479-3498	6.4	6
15	Empirical fragility curves: The effect of uncertainty in ground motion intensity. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 129, 105908	3.5	6
14	Bayesian Image Analysis and the Disaggregation of Rainfall. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000 , 17, 641-650	2	5
13	BEA: An efficient Bayesian emulation-based approach for probabilistic seismic response. <i>Structural Safety</i> , 2018 , 74, 32-48	4.9	4
12	An analysis of mid-summer rainfall occurrence in eastern China and its relationship with large-scale warming using generalized linear models. <i>International Journal of Climatology</i> , 2010 , 30, 1826-1834	3.5	4
11	A Nonparametric Approach to the Removal of Documented Inhomogeneities in Climate Time Series. <i>Journal of Applied Meteorology and Climatology</i> , 2013 , 52, 1139-1146	2.7	3
10	Classical Approaches for Statistical Inference in Model Calibration with Uncertainty 2014 , 60-67		3
9	Multisite, multivariate weather generation based on generalised linear models. <i>Environmental Modelling and Software</i> , 2020 , 134, 104867	5.2	3
8	Developing a quick guide on presenting data and uncertainty. <i>Weather</i> , 2017 , 72, 266-269	0.9	2
7	Parametric Modelling of Deterministic Trends 2011 , 61-125		2
6	Quality control for daily observational rainfall series in the UK. <i>Water and Environment Journal</i> , 2006 , 20, 060606025927007-???	1.7	2
5	Inference with the Whittle Likelihood: A Tractable Approach Using Estimating Functions. <i>Journal of Time Series Analysis</i> , 2017 , 38, 204-224	0.8	1
4	Uncertainty in Rainfall Inputs 2014 , 101-152		1
3	The international surface temperature initiative 2013 ,		1
2	Other Issues 2011 , 235-263		1

- 1 Rainfall Trends in Southwest Western Australia **2011**, 283-306