Richard E Chandler

List of Publications by Year in Descending Order

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	Complex long-term biodiversity change among invertebrates, bryophytes and lichens. *Nature Ecology and Evolution*, **2020**, 4, 384-392	12.3	59
53	Empirical fragility curves: The effect of uncertainty in ground motion intensity. *Soil Dynamics and Earthquake Engineering*, **2020**, 129, 105908	3.5	6
52	Multisite, multivariate weather generation based on generalised linear models. *Environmental Modelling and Software*, **2020**, 134, 104867	5.2	3
51	New approaches to postprocessing of multi-model ensemble forecasts. *Quarterly Journal of the Royal Meteorological Society*, **2019**, 145, 3479-3498	6.4	6
50	Annual estimates of occupancy for bryophytes, lichens and invertebrates in the UK, 1970-2015. *Scientific Data*, **2019**, 6, 259	8.2	19
49	Lightning Prediction for Australia Using Multivariate Analyses of Large-Scale Atmospheric Variables. *Journal of Applied Meteorology and Climatology*, **2018**, 57, 525-534	2.7	12
48	BEA: An efficient Bayesian emulation-based approach for probabilistic seismic response. *Structural Safety*, **2018**, 74, 32-48	4.9	4
47	Prior specification in Bayesian occupancy modelling improves analysis of species occurrence data. *Ecological Indicators*, **2018**, 93, 333-343	5.8	25
46	Classification of Australian Thunderstorms Using Multivariate Analyses of Large-Scale Atmospheric Variables. *Journal of Applied Meteorology and Climatology*, **2017**, 56, 1921-1937	2.7	6
45	Inference with the Whittle Likelihood: A Tractable Approach Using Estimating Functions. *Journal of Time Series Analysis*, **2017**, 38, 204-224	0.8	1
44	Developing a quick guide on presenting data and uncertainty. *Weather*, **2017**, 72, 266-269	0.9	2
43	VALUE: A framework to validate downscaling approaches for climate change studies. *Earth's Future*, **2015**, 3, 1-14	7.9	112
42	Estimating trends and seasonality in Australian monthly lightning flash counts. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 3973-3983	4.4	8
41	A generalized regression model of arsenic variations in the shallow groundwater of Bangladesh. *Water Resources Research*, **2015**, 51, 685-703	5.4	26
40	Uncertainty in Rainfall Inputs **2014**, 101-152		1
39	Classical Approaches for Statistical Inference in Model Calibration with Uncertainty **2014**, 60-67		3
38	Quantifying Sources of Uncertainty in Projections of Future Climate*. *Journal of Climate*, **2014**, 27, 8793-8808	4.4	42

37	Rainfall-derived growing season characteristics for agricultural impact assessments in South Africa. *Theoretical and Applied Climatology*, **2014**, 115, 411-426	3	16
36	Exploiting strength, discounting weakness: combining information from multiple climate simulators. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120388	3	35
35	A Nonparametric Approach to the Removal of Documented Inhomogeneities in Climate Time Series. *Journal of Applied Meteorology and Climatology*, **2013**, 52, 1139-1146	2.7	3
34	The international surface temperature initiative **2013**,		1
33	Building trust in climate science: data products for the 21st century. *Environmetrics*, **2012**, 23, 373-381	1.3	7
32	Stochastic simulation of rainfall in the semi-arid Limpopo basin, Botswana. *International Journal of Climatology*, **2012**, 32, 1113-1127	3.5	20
31	Trend estimation and change point detection in individual climatic series using flexible regression methods. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		29
30	Quantifying future climate change. *Nature Climate Change*, **2012**, 2, 403-409	21.4	113
29	Statistical problems in the probabilistic prediction of climate change. *Environmetrics*, **2012**, 23, 364-372	1.3	48
28	Multi-site stochastic modelling of daily rainfall in Uganda. *Hydrological Sciences Journal*, **2011**, 56, 17-33	3.5	32
27	Rainfall Trends in Southwest Western Australia **2011**, 283-306		
26	Estimating functions and the generalized method of moments. *Interface Focus*, **2011**, 1, 871-85	3.9	27
25	Southern African Monthly Rainfall Variability: An Analysis Based on Generalized Linear Models. *Journal of Climate*, **2011**, 24, 4600-4617	4.4	18
24	A comparison of multi-site daily rainfall downscaling techniques under Australian conditions. *Journal of Hydrology*, **2011**, 408, 1-18	6	85
23	Other Issues **2011**, 235-263		1
22	Parametric Modelling Deterministic Trends **2011**, 61-125		2
21	A framework for interpreting climate model outputs. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2010**, 59, 279-296	1.5	31
20	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. *Reviews of Geophysics*, **2010**, 48,	23.1	1021

19	Assessment of apparent nonstationarity in time series of annual inflow, daily precipitation, and atmospheric circulation indices: A case study from southwest Western Australia. *Water Resources Research*, **2010**, 46,	5.4	20
18	An analysis of mid-summer rainfall occurrence in eastern China and its relationship with large-scale warming using generalized linear models. *International Journal of Climatology*, **2010**, 30, 1826-1834	3.5	4
17	Recent trends in groundwater levels in a highly seasonal hydrological system: the Ganges-Brahmaputra-Meghna Delta. *Hydrology and Earth System Sciences*, **2009**, 13, 2373-2385	5.5	159
16	Inference for clustered data using the independence loglikelihood. *Biometrika*, **2007**, 94, 167-183	2	102
15	Quality control for daily observational rainfall series in the UK. *Water and Environment Journal*, **2006**, 20, 060606025927007-???	1.7	2
14	Changes in extreme wind speeds in NW Europe simulated by generalized linear models. *Theoretical and Applied Climatology*, **2006**, 83, 121-137	3	33
13	Simulation and downscaling models for potential evaporation. *Journal of Hydrology*, **2005**, 302, 239-254	6	17
12	Spatial-temporal rainfall simulation using generalized linear models. *Water Resources Research*, **2005**, 41,	5.4	131
11	On the use of generalized linear models for interpreting climate variability. *Environmetrics*, **2005**, 16, 699-715	1.3	86
10	Spatial-temporal rainfall modelling for flood risk estimation. *Stochastic Environmental Research and Risk Assessment*, **2005**, 19, 403-416	3.5	112
9	An Analysis of Daily Maximum Wind Speed in Northwestern Europe Using Generalized Linear Models. *Journal of Climate*, **2002**, 15, 2073-2088	4.4	60
8	Analysis of rainfall variability using generalized linear models: A case study from the west of Ireland. *Water Resources Research*, **2002**, 38, 10-1-10-11	5.4	173
7	Disaggregation of spatial rainfall fields for hydrological modelling. *Hydrology and Earth System Sciences*, **2001**, 5, 165-173	5.5	23
6	Bayesian Image Analysis and the Disaggregation of Rainfall. *Journal of Atmospheric and Oceanic Technology*, **2000**, 17, 641-650	2	5
5	Rainfall modelling using Poisson-cluster processes: a review of developments. *Stochastic Environmental Research and Risk Assessment*, **2000**, 14, 0384-0411	3.5	179
4	Spatial-temporal rainfall fields: modelling and statistical aspects. *Hydrology and Earth System Sciences*, **2000**, 4, 581-601	5.5	61
3	Atlantic hurricanes and NW Pacific typhoons: ENSO spatial impacts on occurrence and landfall. *Geophysical Research Letters*, **2000**, 27, 1147-1150	4.9	89
2	Analysis of aggregation and disaggregation effects for grid-based hydrological models and the development of improved precipitation disaggregation procedures for GCMs. *Hydrology and Earth System Sciences*, **1999**, 3, 95-108	5.5	18

List of Publications

1	A Spectral Method for Estimating Parameters in Rainfall Models. *Bernoulli*, **1997**, 3, 301	1.6	16