

Richard E Chandler

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,911
citations

218677

26
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

4275
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical fragility curves: The effect of uncertainty in ground motion intensity. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 129, 105908.	3.8	9
2	Multisite, multivariate weather generation based on generalised linear models. <i>Environmental Modelling and Software</i> , 2020, 134, 104867.	4.5	7
3	Complex long-term biodiversity change among invertebrates, bryophytes and lichens. <i>Nature Ecology and Evolution</i> , 2020, 4, 384-392.	7.8	130
4	New approaches to postprocessing of multi-model ensemble forecasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3479-3498.	2.7	10
5	Annual estimates of occupancy for bryophytes, lichens and invertebrates in the UK, 1970–2015. <i>Scientific Data</i> , 2019, 6, 259.	5.3	39
6	Lightning Prediction for Australia Using Multivariate Analyses of Large-Scale Atmospheric Variables. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 525-534.	1.5	18
7	BEA: An efficient Bayesian emulation-based approach for probabilistic seismic response. <i>Structural Safety</i> , 2018, 74, 32-48.	5.3	8
8	Prior specification in Bayesian occupancy modelling improves analysis of species occurrence data. <i>Ecological Indicators</i> , 2018, 93, 333-343.	6.3	43
9	Classification of Australian Thunderstorms Using Multivariate Analyses of Large-Scale Atmospheric Variables. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1921-1937.	1.5	11
10	Inference with the Whittle Likelihood: A Tractable Approach Using Estimating Functions. <i>Journal of Time Series Analysis</i> , 2017, 38, 204-224.	1.2	2
11	Developing a quick guide on presenting data and uncertainty. <i>Weather</i> , 2017, 72, 266-269.	0.7	2
12	<scp>VALUE</scp>: A framework to validate downscaling approaches for climate change studies. <i>Earth's Future</i> , 2015, 3, 1-14.	6.3	167
13	Estimating trends and seasonality in Australian monthly lightning flash counts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3973-3983.	3.3	10
14	A generalized regression model of arsenic variations in the shallow groundwater of Bangladesh. <i>Water Resources Research</i> , 2015, 51, 685-703.	4.2	31
15	Uncertainty in Rainfall Inputs. , 2014, , 101-152.		2
16	Classical Approaches for Statistical Inference in Model Calibration with Uncertainty. , 2014, , 60-67.		3
17	Quantifying Sources of Uncertainty in Projections of Future Climate*. <i>Journal of Climate</i> , 2014, 27, 8793-8808.	3.2	56
18	Rainfall-derived growing season characteristics for agricultural impact assessments in South Africa. <i>Theoretical and Applied Climatology</i> , 2014, 115, 411-426.	2.8	17

#	ARTICLE	IF	CITATIONS
19	Exploiting strength, discounting weakness: combining information from multiple climate simulators. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120388.	3.4	51
20	A Nonparametric Approach to the Removal of Documented Inhomogeneities in Climate Time Series. Journal of Applied Meteorology and Climatology, 2013, 52, 1139-1146.	1.5	4
21	The international surface temperature initiative. , 2013, , .		1
22	Trend estimation and change point detection in individual climatic series using flexible regression methods. Journal of Geophysical Research, 2012, 117, .	3.3	34
23	Quantifying future climate change. Nature Climate Change, 2012, 2, 403-409.	18.8	132
24	Statistical problems in the probabilistic prediction of climate change. Environmetrics, 2012, 23, 364-372.	1.4	61
25	Building trust in climate science: data products for the 21st century. Environmetrics, 2012, 23, 373-381.	1.4	10
26	Stochastic simulation of rainfall in the semi-árid Limpopo basin, Botswana. International Journal of Climatology, 2012, 32, 1113-1127.	3.5	27
27	Multi-site stochastic modelling of daily rainfall in Uganda. Hydrological Sciences Journal, 2011, 56, 17-33.	2.6	39
28	Estimating functions and the generalized method of moments. Interface Focus, 2011, 1, 871-885.	3.0	28
29	Southern African Monthly Rainfall Variability: An Analysis Based on Generalized Linear Models. Journal of Climate, 2011, 24, 4600-4617.	3.2	21
30	A comparison of multi-site daily rainfall downscaling techniques under Australian conditions. Journal of Hydrology, 2011, 408, 1-18.	5.4	99
31	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
32	A framework for interpreting climate model outputs. Journal of the Royal Statistical Society Series C: Applied Statistics, 2010, 59, 279-296.	1.0	35
33	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. Reviews of Geophysics, 2010, 48, .	23.0	1,256
34	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, .	4.2	23
35	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.	4.9	198
36	Inference for clustered data using the independence loglikelihood. Biometrika, 2007, 94, 167-183.	2.4	133

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37	Quality control for daily observational rainfall series in the UK. <i>Water and Environment Journal</i> , 2006, 20, 060606025927007-???	2.2	6
38	Changes in extreme wind speeds in NW Europe simulated by generalized linear models. <i>Theoretical and Applied Climatology</i> , 2006, 83, 121-137.	2.8	38
39	On the use of generalized linear models for interpreting climate variability. <i>Environmetrics</i> , 2005, 16, 699-715.	1.4	98
40	Spatial-temporal rainfall modelling for flood risk estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 403-416.	4.0	128
41	Simulation and downscaling models for potential evaporation. <i>Journal of Hydrology</i> , 2005, 302, 239-254.	5.4	20
42	Spatial-temporal rainfall simulation using generalized linear models. <i>Water Resources Research</i> , 2005, 41, .	4.2	144
43	An Analysis of Daily Maximum Wind Speed in Northwestern Europe Using Generalized Linear Models. <i>Journal of Climate</i> , 2002, 15, 2073-2088.	3.2	76
44	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.	4.2	193
45	Disaggregation of spatial rainfall fields for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2001, 5, 165-173.	4.9	27
46	Bayesian Image Analysis and the Disaggregation of Rainfall. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 641-650.	1.3	8
47	Rainfall modelling using Poisson-cluster processes: a review of developments. <i>Stochastic Environmental Research and Risk Assessment</i> , 2000, 14, 0384-0411.	4.0	207
48	Spatial-temporal rainfall fields: modelling and statistical aspects. <i>Hydrology and Earth System Sciences</i> , 2000, 4, 581-601.	4.9	78
49	Atlantic hurricanes and NW Pacific typhoons: ENSO spatial impacts on occurrence and landfall. <i>Geophysical Research Letters</i> , 2000, 27, 1147-1150.	4.0	114
50	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.	4.9	21
51	A Spectral Method for Estimating Parameters in Rainfall Models. <i>Bernoulli</i> , 1997, 3, 301.	1.3	20