Stephan R Sain

List of Publications by Year
in descending order

46 papers	1,522 citations	361413 20 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	1558 citing authors

#	Article	IF	Citations
1	A comparison of U.S. precipitation extremes under RCP8.5 and RCP4.5 with an application of pattern scaling. Climatic Change, 2018, 146, 335-347.	3.6	25
2	Emulating mean patterns and variability of temperature across and within scenarios in anthropogenic climate change experiments. Climatic Change, 2018, 146, 319-333.	3.6	23
3	Comments on: Some recent work on multivariate Gaussian Markov random fields. Test, 2018, 27, 545-548.	1.1	2
4	Emulating and Calibrating the Multiple-Fidelity Lyonâ€"Fedderâ€"Mobarry Magnetosphereâ€"Ionosphere Coupled Computer Model. Journal of the Royal Statistical Society Series C: Applied Statistics, 2015, 64, 93-113.	1.0	7
5	Bayesian multilevel analysis of variance for relative comparison across sources of global climate model variability. International Journal of Climatology, 2015, 35, 433-443.	3.5	7
6	An Analysis of an Incomplete Marked Point Pattern of Heat-Related 911 Calls. Journal of the American Statistical Association, 2015, 110, 123-135.	3.1	8
7	A Spatio-Temporal Model for Mountain Pine Beetle Damage. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 437-450.	1.4	3
8	Model Calibration via Deformation. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 545-563.	2.0	8
9	Characterizing urban vulnerability to heat stress using a spatially varying coefficient model. Spatial and Spatio-temporal Epidemiology, 2014, 8, 23-33.	1.7	44
10	Fast Sequential Computer Model Calibration of Large Nonstationary Spatial-Temporal Processes. Technometrics, 2013, 55, 232-242.	1.9	24
11	Modeling Uncertainty in Climate Using Ensembles of Regional and Global Climate Models and Multiple Observation-Based Data Sets. SIAM-ASA Journal on Uncertainty Quantification, 2013, 1, 535-559.	2.0	5
12	Spatial multinomial regression models for nominal categorical data: a study of land cover in Northern Wisconsin, USA. Environmetrics, 2013, 24, 98-108.	1.4	8
13	Parameter tuning for a multi-fidelity dynamical model of the magnetosphere. Annals of Applied Statistics, 2013, 7, .	1.1	16
14	Two case studies on NARCCAP precipitation extremes. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,475.	3.3	10
15	An investigation of the pineapple express phenomenon via bivariate extreme value theory. Environmetrics, 2012, 23, 420-439.	1.4	19
16	Latent Variable Modeling for Integrating Output fromÂMultiple Climate Models. Mathematical Geosciences, 2012, 44, 395-410.	2.4	10
17	Combining Outputs from the North American Regional Climate Change Assessment Program by Using A Bayesian Hierarchical Model. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 291-313.	1.0	23
18	Assessing variance components of general circulation model output fields. Environmetrics, 2012, 23, 440-450.	1.4	5

#	ARTICLE	IF	CITATIONS
19	A spatial analysis of multivariate output from regional climate models. Annals of Applied Statistics, 2011, 5, .	1.1	61
20	Multivariate Spatial Analysis of Climate Change Projections. Journal of Agricultural, Biological, and Environmental Statistics, 2011, 16, 571-585.	1.4	9
21	Functional ANOVA and regional climate experiments: a statistical analysis of dynamic downscaling. Environmetrics, 2011, 22, 700-711.	1.4	29
22	Scale space multiresolution analysis of random signals. Computational Statistics and Data Analysis, 2011, 55, 2840-2855.	1.2	20
23	Bayesian functional {ANOVA} modeling using Gaussian process prior distributions. Bayesian Analysis, 2010, 5, .	3.0	78
24	Combining climate model output via model correlations. Stochastic Environmental Research and Risk Assessment, 2010, 24, 821-829.	4.0	19
25	Spatial Hierarchical Modeling of Precipitation Extremes From a Regional Climate Model. Journal of Agricultural, Biological, and Environmental Statistics, 2010, 15, 381-402.	1.4	106
26	A comparison study of extreme precipitation from six different regional climate models via spatial hierarchical modeling. Extremes, 2010, 13, 219-239.	1.0	57
27	Detecting change in UK extreme precipitation using results from the climateprediction.net BBC climate change experiment. Extremes, 2010, 13, 241-267.	1.0	66
28	spam: A Sparse Matrix<i>R</i>Package with Emphasis on MCMC Methods for Gaussian Markov Random Fields. Journal of Statistical Software, 2010, 36, .	3.7	62
29	Spatial model fitting for large datasets with applications to climate and microarray problems. Statistics and Computing, 2009, 19, 113-128.	1.5	16
30	Multivariate Visualization by Density Estimation. , 2008, , 389-413.		3
31	A spatial model for multivariate lattice data. Journal of Econometrics, 2007, 140, 226-259.	6.5	51
32	Multivariate Bayesian analysis of atmosphere€"ocean general circulation models. Environmental and Ecological Statistics, 2007, 14, 249-266.	3.5	98
33	A multivariate spatial model for soil water profiles. Journal of Agricultural, Biological, and Environmental Statistics, 2006, 11, 462-480.	1.4	5
34	Multidimensional Density Estimation. Handbook of Statistics, 2005, , 229-261.	0.6	101
35	Testing for outliers from a mixture distribution when some data are missing. Computational Statistics and Data Analysis, 2003, 44, 193-210.	1.2	9
36	A New Characterization and Estimation of the Zero-bias Bandwidth. Australian and New Zealand Journal of Statistics, 2003, 45, 29-42.	0.9	4

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37	Accounting for Dependence in a Flexible Multivariate Receptor Model. Technometrics, 2002, 44, 328-337.	1.9	20
38	Multivariate locally adaptive density estimation. Computational Statistics and Data Analysis, 2002, 39, 165-186.	1.2	83
39	Zero-Bias Locally Adaptive Density Estimators. Scandinavian Journal of Statistics, 2002, 29, 441-460.	1.4	14
40	Multivariate Discrimination Methods for Top Quark Analysis. Technometrics, 1997, 39, 91-99.	1.9	3
41	A New Test for Outlier Detection from a Multivariate Mixture Distribution. Journal of Computational and Graphical Statistics, 1997, 6, 285.	1.7	12
42	On Locally Adaptive Density Estimation. Journal of the American Statistical Association, 1996, 91, 1525-1534.	3.1	95
43	On Locally Adaptive Density Estimation. Journal of the American Statistical Association, 1996, 91, 1525.	3.1	35
44	A new multivariate technique for top quark search. Computer Physics Communications, 1995, 88, 195-210.	7.5	24
45	Cross-Validation of Multivariate Densities. Journal of the American Statistical Association, 1994, 89, 807-817.	3.1	162
46	Cross-Validation of Multivariate Densities. Journal of the American Statistical Association, 1994, 89, 807.	3.1	33