

# Stephan R Sain

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Cross-Validation of Multivariate Densities. Journal of the American Statistical Association, 1994, 89, 807-817.	3.1	162
2	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
3	Multidimensional Density Estimation. Handbook of Statistics, 2005, , 229-261.	0.6	101
4	Multivariate Bayesian analysis of atmosphereâ€œocean general circulation models. Environmental and Ecological Statistics, 2007, 14, 249-266.	3.5	98
5	On Locally Adaptive Density Estimation. Journal of the American Statistical Association, 1996, 91, 1525-1534.	3.1	95
6	Multivariate locally adaptive density estimation. Computational Statistics and Data Analysis, 2002, 39, 165-186.	1.2	83
7	Bayesian functional {ANOVA} modeling using Gaussian process prior distributions. Bayesian Analysis, 2010, 5, .	3.0	78
8	Detecting change in UK extreme precipitation using results from the climateprediction.net BBC climate change experiment. Extremes, 2010, 13, 241-267.	1.0	66
9	<b>spam</b> : 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
10	A spatial analysis of multivariate output from regional climate models. Annals of Applied Statistics, 2011, 5, .	1.1	61
11	A comparison study of extreme precipitation from six different regional climate models via spatial hierarchical modeling. Extremes, 2010, 13, 219-239.	1.0	57
12	A spatial model for multivariate lattice data. Journal of Econometrics, 2007, 140, 226-259.	6.5	51
13	Characterizing urban vulnerability to heat stress using a spatially varying coefficient model. Spatial and Spatio-temporal Epidemiology, 2014, 8, 23-33.	1.7	44
14	On Locally Adaptive Density Estimation. Journal of the American Statistical Association, 1996, 91, 1525.	3.1	35
15	Cross-Validation of Multivariate Densities. Journal of the American Statistical Association, 1994, 89, 807.	3.1	33
16	Functional ANOVA and regional climate experiments: a statistical analysis of dynamic downscaling. Environmetrics, 2011, 22, 700-711.	1.4	29
17	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
18	A new multivariate technique for top quark search. Computer Physics Communications, 1995, 88, 195-210.	7.5	24

#	ARTICLE	IF	CITATIONS
19	Fast Sequential Computer Model Calibration of Large Nonstationary Spatial-Temporal Processes. <i>Technometrics</i> , 2013, 55, 232-242.	1.9	24
20	Combining Outputs from the North American Regional Climate Change Assessment Program by Using A Bayesian Hierarchical Model. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2012, 61, 291-313.	1.0	23
21	Emulating mean patterns and variability of temperature across and within scenarios in anthropogenic climate change experiments. <i>Climatic Change</i> , 2018, 146, 319-333.	3.6	23
22	Accounting for Dependence in a Flexible Multivariate Receptor Model. <i>Technometrics</i> , 2002, 44, 328-337.	1.9	20
23	Scale space multiresolution analysis of random signals. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 2840-2855.	1.2	20
24	Combining climate model output via model correlations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 821-829.	4.0	19
25	An investigation of the pineapple express phenomenon via bivariate extreme value theory. <i>Environmetrics</i> , 2012, 23, 420-439.	1.4	19
26	Spatial model fitting for large datasets with applications to climate and microarray problems. <i>Statistics and Computing</i> , 2009, 19, 113-128.	1.5	16
27	Parameter tuning for a multi-fidelity dynamical model of the magnetosphere. <i>Annals of Applied Statistics</i> , 2013, 7, .	1.1	16
28	Zero-Bias Locally Adaptive Density Estimators. <i>Scandinavian Journal of Statistics</i> , 2002, 29, 441-460.	1.4	14
29	A New Test for Outlier Detection from a Multivariate Mixture Distribution. <i>Journal of Computational and Graphical Statistics</i> , 1997, 6, 285.	1.7	12
30	Latent Variable Modeling for Integrating Output from Multiple Climate Models. <i>Mathematical Geosciences</i> , 2012, 44, 395-410.	2.4	10
31	Two case studies on NARCCAP precipitation extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,475.	3.3	10
32	Testing for outliers from a mixture distribution when some data are missing. <i>Computational Statistics and Data Analysis</i> , 2003, 44, 193-210.	1.2	9
33	Multivariate Spatial Analysis of Climate Change Projections. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2011, 16, 571-585.	1.4	9
34	Spatial multinomial regression models for nominal categorical data: a study of land cover in Northern Wisconsin, USA. <i>Environmetrics</i> , 2013, 24, 98-108.	1.4	8
35	Model Calibration via Deformation. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2014, 2, 545-563.	2.0	8
36	An Analysis of an Incomplete Marked Point Pattern of Heat-Related 911 Calls. <i>Journal of the American Statistical Association</i> , 2015, 110, 123-135.	3.1	8

#	ARTICLE	IF	CITATIONS
37	Emulating and Calibrating the Multiple-Fidelity Lyonâ€™Fedderâ€™Mobarry Magnetosphereâ€™Ionosphere Coupled Computer Model. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2015, 64, 93-113.	1.0	7
38	Bayesian multilevel analysis of variance for relative comparison across sources of global climate model variability. <i>International Journal of Climatology</i> , 2015, 35, 433-443.	3.5	7
39	A multivariate spatial model for soil water profiles. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2006, 11, 462-480.	1.4	5
40	Assessing variance components of general circulation model output fields. <i>Environmetrics</i> , 2012, 23, 440-450.	1.4	5
41	Modeling Uncertainty in Climate Using Ensembles of Regional and Global Climate Models and Multiple Observation-Based Data Sets. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2013, 1, 535-559.	2.0	5
42	A New Characterization and Estimation of the Zero-bias Bandwidth. <i>Australian and New Zealand Journal of Statistics</i> , 2003, 45, 29-42.	0.9	4
43	Multivariate Discrimination Methods for Top Quark Analysis. <i>Technometrics</i> , 1997, 39, 91-99.	1.9	3
44	A Spatio-Temporal Model for Mountain Pine Beetle Damage. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2014, 19, 437-450.	1.4	3
45	Multivariate Visualization by Density Estimation. , 2008, , 389-413.		3
46	Comments on: Some recent work on multivariate Gaussian Markov random fields. <i>Test</i> , 2018, 27, 545-548.	1.1	2