Noel Cressie

List of Publications by Year
in descending order

48 papers	7,388 citations	201575 27 h-index	223716 46 g-index
54 all docs	54 docs citations	54 times ranked	6372 citing authors

#	Article	IF	Citations
1	Measuring, mapping, and uncertainty quantification in the space-time cube. Revista Matematica Complutense, 2020, 33, 643-660.	0.7	0
2	Estimating Spatial Changes Over Time of Arctic Sea Ice using Hidden 2Ã—2 Tables. Journal of Time Series Analysis, 2019, 40, 288-311.	0.7	4
3	Comparing and selecting spatial predictors using local criteria. Test, 2015, 24, 1-28.	0.7	16
4	Hierarchical statistical modeling of big spatial datasets using the exponential family of distributions. Spatial Statistics, 2013, 4, 14-44.	0.9	28
5	Empirical Hierarchical Modelling for Count Data using the Spatial Random Effects Model. Spatial Economic Analysis, 2013, 8, 389-418.	0.8	13
6	Bayesian hierarchical spatioâ€temporal smoothing for very large datasets. Environmetrics, 2012, 23, 94-107.	0.6	71
7	One-step estimation of spatial dependence parameters: Properties and extensions of the APLE statistic. Journal of Multivariate Analysis, 2012, 105, 68-84.	0.5	26
8	Spatio-temporal modeling of sudden infant death syndrome data. Statistical Methodology, 2012, 9, 117-143.	0.5	2
9	Kriging and Variogram Models. , 2009, , 45-51.		1
10	Accounting for uncertainty in ecological analysis: the strengths and limitations of hierarchical statistical modeling. Ecological Applications, 2009, 19, 553-570.	1.8	423
11	Fixed Rank Kriging for Very Large Spatial Data Sets. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2008, 70, 209-226.	1.1	668
12	Some Diagnostics for Markov Random Fields. Journal of Computational and Graphical Statistics, 2008, 17, 726-749.	0.9	7
13	From sources to biomarkers: A hierarchical Bayesian approach for human exposure modeling. Journal of Statistical Planning and Inference, 2007, 137, 3361-3379.	0.4	11
14	A spatial model for multivariate lattice data. Journal of Econometrics, 2007, 140, 226-259.	3.5	51
15	Beyond Moran's *I*: Testing for Spatial Dependence Based on the Spatial Autoregressive Model. Geographical Analysis, 2007, 39, 357-375.	1.9	349
16	Dynamic multi-resolution spatial models. Environmental and Ecological Statistics, 2007, 14, 5-25.	1.9	41
17	Spatial Point Process Models of Defensive Strategies: Detecting Changes. Statistical Inference for Stochastic Processes, 2006, 9, 31-46.	0.4	4
18	Loss functions for estimation of extrema with an application to disease mapping. Canadian Journal of Statistics, 2003, 31, 251-266.	0.6	13

#	Article	IF	Citations
19	Prediction of nonlinear spatial functionals. Journal of Statistical Planning and Inference, 2003, 112, 3-41.	0.4	29
20	Hierarchical statistical modelling of influenza epidemic dynamics in space and time. Statistics in Medicine, 2002, 21, 2703-2721.	0.8	79
21	The Effect on Attribute Prediction of Location Uncertainty in Spatial Data. Geographical Analysis, 2002, 34, 262-285.	1.9	29
22	Uncertainty and Spatial Linear Models for Ecological Data. , 2001, , 214-237.		34
23	11 Spatial statistical methods for environmental epidemiology. Handbook of Statistics, 2000, 18, 357-396.	0.4	10
24	Classes of Nonseparable, Spatio-Temporal Stationary Covariance Functions. Journal of the American Statistical Association, 1999, 94, 1330-1339.	1.8	470
25	Hierarchical Bayesian space-time models. Environmental and Ecological Statistics, 1998, 5, 117-154.	1.9	323
26	Models For Spatial Processes. Methods in Experimental Physics, 1994, , 93-124.	0.1	6
27	Mean squared prediction error in the spatial linear model with estimated covariance parameters. Annals of the Institute of Statistical Mathematics, 1992, 44, 27-43.	0.5	107
28	On the stability of the geostatistical method. Mathematical Geosciences, 1992, 24, 45-59.	0.9	60
29	Smoothing Regional Maps Using Empirical Bayes Predictors. Geographical Analysis, 1992, 24, 75-95.	1.9	88
30	Using Spatial Considerations in the Analysis of Experiments. Technometrics, 1991, 33, 381-392.	1.3	48
31	The origins of kriging. Mathematical Geosciences, 1990, 22, 239-252.	0.9	1,249
32	Spatial prediction from networks. Chemometrics and Intelligent Laboratory Systems, 1990, 7, 251-271.	1.8	61
33	Geostatistics. American Statistician, 1989, 43, 197-202.	0.9	31
34	Spatial Modeling of Regional Variables. Journal of the American Statistical Association, 1989, 84, 393-401.	1.8	222
35	Spatial Data Analysis of Regional Counts. Biometrical Journal, 1989, 31, 699-719.	0.6	89
36	The Many Faces of Spatial Prediction. Quantitative Geology and Geostatistics, 1989, , 163-176.	0.1	13

#	Article	IF	Citations
37	Spatial prediction and ordinary kriging. Mathematical Geosciences, 1988, 20, 405-421.	0.9	403
38	Random Set Theory and Problems of Modeling. SIAM Review, 1987, 29, 557-574.	4.2	51
39	A nonparametric view of generalized covariances for kriging. Mathematical Geosciences, 1987, 19, 425-449.	0.9	29
40	Kriging Nonstationary Data. Journal of the American Statistical Association, 1986, 81, 625-634.	1.8	170
41	When are relative variograms useful in geostatistics?. Journal of the International Association for Mathematical Geology, 1985, 17, 693-702.	0.7	59
42	Fitting variogram models by weighted least squares. Journal of the International Association for Mathematical Geology, 1985, 17, 563-586.	0.7	845
43	Towards Resistant Geostatistics. , 1984, , 21-44.		97
44	Median based covariogram estimators reduce bias. Statistics and Probability Letters, 1984, 2, 299-304.	0.4	28
45	Robust kriging?A proposal. Journal of the International Association for Mathematical Geology, 1984, 16, 3-18.	0.7	107
46	Characterizing the manifest probabilities of latent trait models. Psychometrika, 1983, 48, 129-141.	1.2	150
47	A Useful Empirical Bayes Identity. Annals of Statistics, 1982, 10, 625.	1.4	21
48	Robust estimation of the variogram: I. Journal of the International Association for Mathematical Geology, 1980, 12, 115-125.	0.7	739