

Douglas Nychka

List of Publications by Year in descending order

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17
papers

1,562
citations

840776

11
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	Covariance Tapering for Interpolation of Large Spatial Datasets. <i>Journal of Computational and Graphical Statistics</i> , 2006, 15, 502-523.	1.7	489
2	Bayesian Spatial Modeling of Extreme Precipitation Return Levels. <i>Journal of the American Statistical Association</i> , 2007, 102, 824-840.	3.1	394
3	A Multiresolution Gaussian Process Model for the Analysis of Large Spatial Datasets. <i>Journal of Computational and Graphical Statistics</i> , 2015, 24, 579-599.	1.7	196
4	Multiresolution models for nonstationary spatial covariance functions. <i>Statistical Modelling</i> , 2002, 2, 315-331.	1.1	143
5	Multivariate Bayesian analysis of atmosphere-ocean general circulation models. <i>Environmental and Ecological Statistics</i> , 2007, 14, 249-266.	3.5	98
6	Confidence Intervals for Nonparametric Curve Estimates. <i>Journal of the American Statistical Association</i> , 2001, 96, 233-246.	3.1	60
7	Nonstationary modeling for multivariate spatial processes. <i>Journal of Multivariate Analysis</i> , 2012, 112, 76-91.	1.0	55
8	30 Years of space-time covariance functions. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2021, 13, e1512.	3.9	47
9	Statistical models for monitoring and regulating ground-level ozone. <i>Environmetrics</i> , 2005, 16, 535-546.	1.4	27
10	Modeling and emulation of nonstationary Gaussian fields. <i>Spatial Statistics</i> , 2018, 28, 21-38.	1.9	22
11	Modeling spatial data using local likelihood estimation and a Markov to spatial autoregressive translation. <i>Environmetrics</i> , 2020, 31, e2652.	1.4	12
12	Winds from a Bayesian Hierarchical Model: Computation for Atmosphere-Ocean Research. <i>Journal of Computational and Graphical Statistics</i> , 2003, 12, 781-807.	1.7	11
13	Fast covariance parameter estimation of spatial Gaussian process models using neural networks. <i>Stat</i> , 2021, 10, e382.	0.4	6
14	Reduced Basis Kriging for Big Spatial Fields. <i>Sankhya A</i> , 2018, 80, 280-300.	0.8	1
15	Nonrigid Registration Using Gaussian Processes and Local Likelihood Estimation. <i>Mathematical Geosciences</i> , 2021, 53, 1319-1337.	2.4	1
16	Rapid numerical approximation method for integrated covariance functions over irregular data regions. <i>Stat</i> , 2020, 9, e275.	0.4	0
17	Discussion on Competition for Spatial Statistics for Large Datasets. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2021, 26, 596-598.	1.4	0