

Abhirup Datta

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

900
citations

840776

11
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

781
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Nearest-Neighbor Gaussian Process Models for Large Geostatistical Datasets. <i>Journal of the American Statistical Association</i> , 2016, 111, 800-812.	3.1	335
2	A Case Study Competition Among Methods for Analyzing Large Spatial Data. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2019, 24, 398-425.	1.4	216
3	Nonseparable dynamic nearest neighbor Gaussian process models for large spatio-temporal data with an application to particulate matter analysis. <i>Annals of Applied Statistics</i> , 2016, 10, 1286-1316.	1.1	73
4	Efficient Algorithms for Bayesian Nearest Neighbor Gaussian Processes. <i>Journal of Computational and Graphical Statistics</i> , 2019, 28, 401-414.	1.7	71
5	On nearest-neighbor Gaussian process models for massive spatial data. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2016, 8, 162-171.	3.9	44
6	Statistical field calibration of a low-cost PM2.5 monitoring network in Baltimore. <i>Atmospheric Environment</i> , 2020, 242, 117761.	4.1	28
7	Spatial Disease Mapping Using Directed Acyclic Graph Auto-Regressive (DAGAR) Models. <i>Bayesian Analysis</i> , 2019, 14, 1221-1244.	3.0	28
8	Practical Bayesian modeling and inference for massive spatial data sets on modest computing environments. <i>Statistical Analysis and Data Mining</i> , 2019, 12, 197-209.	2.8	24
9	Random Forests for Spatially Dependent Data. <i>Journal of the American Statistical Association</i> , 2023, 118, 665-683.	3.1	20
10	Estimating Sizes of Key Populations at the National Level: Considerations for Study Design and Analysis. <i>Epidemiology</i> , 2018, 29, 795-803.	2.7	19
11	BRISC: bootstrap for rapid inference on spatial covariances. <i>Stat</i> , 2018, 7, e184.	0.4	17
12	Graphical Gaussian process models for highly multivariate spatial data. <i>Biometrika</i> , 2022, 109, 993-1014.	2.4	7
13	Efficient estimation of SNP heritability using Gaussian predictive process in large scale cohort studies. <i>PLoS Genetics</i> , 2022, 18, e1010151.	3.5	4
14	Nearest-neighbor sparse Cholesky matrices in spatial statistics. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2022, 14, .	3.9	3
15	Spatial modeling for correlated cancers using bivariate directed graphs. <i>Annals of Cancer Epidemiology</i> , 0, 4, 8-8.	1.8	1