

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