

Sujit K Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

1,728
citations

279487

23
h-index

329751

37
g-index

101
all docs

101
docs citations

101
times ranked

2222
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Variable Selection for Fixed and Random Effects in Linear Mixed-Effects Models. <i>Biometrics</i> , 2010, 66, 1069-1077.	0.8	163
2	Bayesian analysis of zero-inflated regression models. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 1360-1375.	0.4	162
3	Shape restricted nonparametric regression with Bernstein polynomials. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2729-2741.	0.7	79
4	Bayesian Analysis and Model Selection for Interval-Censored Survival Data. <i>Biometrics</i> , 1999, 55, 585-590.	0.8	66
5	Multimodel ensembles of streamflow forecasts: Role of predictor state in developing optimal combinations. <i>Water Resources Research</i> , 2008, 44, W09404.	1.7	63
6	A variable selection approach to monotonic regression with Bernstein polynomials. <i>Journal of Applied Statistics</i> , 2011, 38, 961-976.	0.6	57
7	Spatio-Temporal Modeling of Residential Sales Data. <i>Journal of Business and Economic Statistics</i> , 1998, 16, 312-321.	1.8	55
8	Performance of information criteria for spatial models. <i>Journal of Statistical Computation and Simulation</i> , 2009, 79, 93-106.	0.7	54
9	Spatial Association between Speciated Fine Particles and Mortality. <i>Biometrics</i> , 2006, 62, 855-863.	0.8	50
10	Predicting Exoplanet Masses and Radii: A Nonparametric Approach. <i>Astrophysical Journal</i> , 2018, 869, 5.	1.6	49
11	Daily Activity Patterns of University Students. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2009, 135, 141-149.	0.8	48
12	Disentangling Time-series Spectra with Gaussian Processes: Applications to Radial Velocity Analysis. <i>Astrophysical Journal</i> , 2017, 840, 49.	1.6	39
13	A comparative study of Gaussian geostatistical models and Gaussian Markov random field models. <i>Journal of Multivariate Analysis</i> , 2008, 99, 1681-1697.	0.5	36
14	Efficient Sampling Methods for Truncated Multivariate Normal and Student- <i>t</i> Distributions Subject to Linear Inequality Constraints. <i>Journal of Statistical Theory and Practice</i> , 2015, 9, 712-732.	0.3	34
15	Censored time series analysis with autoregressive moving average models. <i>Canadian Journal of Statistics</i> , 2007, 35, 151-168.	0.6	32
16	Spatio-Temporal Modeling of Agricultural Yield Data with an Application to Pricing Crop Insurance Contracts. <i>American Journal of Agricultural Economics</i> , 2008, 90, 951-961.	2.4	32
17	Impact of Source Reduction on the Spatial Distribution of Larvae and Pupae of <i>Aedes albopictus</i> (Diptera: Culicidae) in Suburban Neighborhoods of a Piedmont Community in North Carolina. <i>Journal of Medical Entomology</i> , 2008, 45, 617-628.	0.9	32
18	A stochastic neighborhood conditional autoregressive model for spatial data. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 3033-3046.	0.7	30

#	ARTICLE	IF	CITATIONS
19	Bayesian Analysis of Circular Data Using Wrapped Distributions. <i>Journal of Statistical Theory and Practice</i> , 2011, 5, 547-561.	0.3	30
20	Unimodal density estimation using Bernstein polynomials. <i>Computational Statistics and Data Analysis</i> , 2014, 72, 13-29.	0.7	30
21	Bayesian capture-recapture analysis and model selection allowing for heterogeneity and behavioral effects. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2005, 10, 35-49.	0.7	28
22	A Two-Sample Distribution-Free Test for Functional Data with Application to a Diffusion Tensor Imaging Study of Multiple Sclerosis. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2016, 65, 395-414.	0.5	27
23	A Bayesian Approach to Multicollinearity and the Simultaneous Selection and Clustering of Predictors in Linear Regression. <i>Journal of Statistical Theory and Practice</i> , 2011, 5, 715-735.	0.3	26
24	Spatial Analysis of <i>Aedes albopictus</i> (Diptera: Culicidae) Oviposition in Suburban Neighborhoods of a Piedmont Community in North Carolina. <i>Journal of Medical Entomology</i> , 2006, 43, 976-989.	0.9	24
25	Bayesian Statistical Methods. , 0, , .		23
26	Spatio-Temporal Analysis of Total Nitrate Concentrations Using Dynamic Statistical Models. <i>Journal of the American Statistical Association</i> , 2010, 105, 538-551.	1.8	19
27	Bayesian Average Error-Based Approach to Sample Size Calculations for Hypothesis Testing. <i>Journal of Biopharmaceutical Statistics</i> , 2013, 23, 569-588.	0.4	19
28	Spatio-Temporal Modeling of Residential Sales Data. <i>Journal of Business and Economic Statistics</i> , 1998, 16, 312.	1.8	17
29	Imputation in High-Dimensional Economic Data as Applied to the Agricultural Resource Management Survey. <i>Journal of the American Statistical Association</i> , 2013, 108, 81-95.	1.8	17
30	Bayesian variable selection using an adaptive powered correlation prior. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 2665-2674.	0.4	16
31	Bayesian Spatial Modeling of Data from Unit-Count Surveys of Fish in Streams. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 438-453.	0.6	15
32	Efficient Sieve Maximum Likelihood Estimation of Time-Transformation Models. <i>Journal of Statistical Theory and Practice</i> , 2013, 7, 285-303.	0.3	15
33	Physiologically-Based Pharmacokinetic Modeling of Genistein in Rats, Part I: Model Development. <i>Risk Analysis</i> , 2006, 26, 483-500.	1.5	14
34	Maximum likelihood estimation for directional conditionally autoregressive models. <i>Journal of Statistical Planning and Inference</i> , 2010, 140, 3160-3179.	0.4	14
35	How proper are Bayesian models in the astronomical literature?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 277-285.	1.6	14
36	Internucleotide Movements during Formation of 16S rRNA-rRNA Photocrosslinks and their Connection to the 30S Subunit Conformational Dynamics. <i>Journal of Molecular Biology</i> , 2005, 354, 358-374.	2.0	13

#	ARTICLE	IF	CITATIONS
37	EMPIRICAL ANALYSIS OF CLIMATE CHANGE IMPACT ON LOBLOLLY PINE PLANTATIONS IN THE SOUTHERN UNITED STATES. <i>Natural Resource Modelling</i> , 2011, 24, 445-476.	0.8	13
38	Bayesian estimation and unit root tests for Random Coefficient AutoRegressive models. <i>Model Assisted Statistics and Applications</i> , 2008, 3, 281-295.	0.2	12
39	Fast Hamiltonian Monte Carlo Using GPU Computing. <i>Journal of Computational and Graphical Statistics</i> , 2016, 25, 536-548.	0.9	12
40	Predicting and Modeling Superintendent Turnover. <i>Journal of School Leadership</i> , 2003, 13, 328-346.	1.3	11
41	Nonparametric estimation of the conditional mean residual life function with censored data. <i>Lifetime Data Analysis</i> , 2011, 17, 514-532.	0.4	11
42	Semiparametric Bayesian Testing Procedure for Noninferiority Trials with Binary Endpoints. <i>Journal of Biopharmaceutical Statistics</i> , 2011, 21, 920-937.	0.4	11
43	On local sensitivity measures in Bayesian analysis. <i>Lecture Notes-monograph Series / Institute of Mathematical Statistics</i> , 1996, , 21-40.	1.0	11
44	Major gene detection for fusiform rust resistance using Bayesian complex segregation analysis in loblolly pine. <i>Theoretical and Applied Genetics</i> , 2006, 113, 921-929.	1.8	10
45	Semiparametric inference based on a class of zero-altered distributions. <i>Statistical Methodology</i> , 2007, 4, 371-383.	0.5	10
46	A Multivariate Evaluation of <i>Ex ante</i> Risks Associated with Fed Cattle Production. <i>American Journal of Agricultural Economics</i> , 2009, 91, 431-443.	2.4	9
47	An autoregressive point source model for spatial processes. <i>Environmetrics</i> , 2009, 20, 575-594.	0.6	9
48	Smooth density estimation with moment constraints using mixture distributions. <i>Journal of Nonparametric Statistics</i> , 2011, 23, 513-531.	0.4	9
49	A semiparametric approach to source separation using independent component analysis. <i>Computational Statistics and Data Analysis</i> , 2013, 58, 383-396.	0.7	9
50	A Reparametrization Approach for Dynamic Space-Time Models. <i>Journal of Statistical Theory and Practice</i> , 2008, 2, 1-14.	0.3	8
51	A flexible observed factor model with separate dynamics for the factor volatilities and their correlation matrix. <i>Statistical Modelling</i> , 2014, 14, 1-20.	0.5	8
52	On nonparametric estimation of the latent distribution for ordinal data. <i>Computational Statistics and Data Analysis</i> , 2018, 119, 86-98.	0.7	8
53	Robust and Accurate Inference via a Mixture of Gaussian and Student's <i>t</i> Errors. <i>Journal of Computational and Graphical Statistics</i> , 2019, 28, 415-426.	0.9	8
54	Interval estimation of genetic susceptibility for retrospective case-control studies. <i>BMC Genetics</i> , 2004, 5, 9.	2.7	7

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55	Nonparametric regression models for right-censored data using Bernstein polynomials. Computational Statistics and Data Analysis, 2011, 56, 559-559.	0.7	5
56	Modelling semi-continuous data using mixture regression models with an application to cattle production yields. Journal of Agricultural Science, 2012, 150, 109-121.	0.6	5
57	Saying Sayonara to the Farm: Hierarchical Bayesian Modeling of Farm Exits in Japan. Journal of Agricultural Economics, 2019, 70, 372-391.	1.6	5
58	On empirical estimation of mode based on weakly dependent samples. Computational Statistics and Data Analysis, 2020, 152, 107046.	0.7	5
59	Bayesian inference for directional conditionally autoregressive models. Bayesian Analysis, 2009, 4, .	1.6	5
60	Processâ€“Structureâ€“Property relationship of roping in meltblown nonwovens. Journal of the Textile Institute, 2023, 114, 289-302.	1.0	5
61	Ch. 31. Bayesian and frequentist methods in change-point problems. Handbook of Statistics, 2001, , 777-787.	0.4	4
62	A blocking Gibbs sampling method to detect major genes with phenotypic data from a diallel mating. Genetical Research, 2004, 83, 143-154.	0.3	4
63	Bayesian Analysis of Change-Point Hazard Rate Problem. Journal of Statistical Theory and Practice, 2008, 2, 523-533.	0.3	4
64	Bayesian unit-root tests for Stochastic Volatility models. Statistical Methodology, 2009, 6, 189-201.	0.5	4
65	Basics of Bayesian Methods. Methods in Molecular Biology, 2010, 620, 155-178.	0.4	4
66	Heatwave duration: Characterizations using probabilistic inference. Environmetrics, 2020, 31, e2626.	0.6	4
67	Data-reduction method for spatial data using a structured wavelet model. International Journal of Production Research, 2007, 45, 2295-2311.	4.9	3
68	Nonparametric autocovariance estimation from censored time series by Gaussian imputation. Journal of Nonparametric Statistics, 2009, 21, 241-259.	0.4	3
69	A Bayesian Approach for Investigating the Risk of QT Prolongation. Journal of Statistical Theory and Practice, 2009, 3, 445-454.	0.3	3
70	Novel Bayesian Methods for Non-Inferiority Tests Based on Relative Risk and Odds Ratio for Dichotomous Data. Journal of Statistical Theory and Practice, 2010, 4, 433-452.	0.3	3
71	Economic Implications of Imputation in Agricultural Economic Data: Discussion. American Journal of Agricultural Economics, 2011, 93, 627-628.	2.4	3
72	On the degrees of freedom in MCMC-based Wishart models for time series data. Statistics and Probability Letters, 2015, 98, 59-64.	0.4	3

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73	A comparative study of the dose-response analysis with application to the target dose estimation. <i>Journal of Statistical Theory and Practice</i> , 2017, 11, 145-162.	0.3	3
74	Dynamic correlation multivariate stochastic volatility with latent factors. <i>Statistica Neerlandica</i> , 2018, 72, 48-69.	0.9	3
75	Data transforming augmentation for heteroscedastic models. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 659-667.	0.9	3
76	Nonparametric Estimation and Testing for Positive Quadrant Dependent Bivariate Copula. <i>Journal of Business and Economic Statistics</i> , 2021, , 1-14.	1.8	3
77	Bayesian inference for generalized linear model with linear inequality constraints. <i>Computational Statistics and Data Analysis</i> , 2022, 166, 107335.	0.7	3
78	Hydrogen bonding and packing density are factors most strongly connected to limiting sites of high flexibility in the 16S rRNA in the 30S ribosome. <i>BMC Structural Biology</i> , 2009, 9, 49.	2.3	2
79	Estimation of SCRAM Rate Trends in Nuclear Power Plants Using Hierarchical Bayes Models. <i>Communications in Statistics - Theory and Methods</i> , 2009, 38, 2856-2871.	0.6	2
80	Maximum Entropy-based Probabilistic Mass-Radius Relation of Exoplanets. <i>Astronomical Journal</i> , 2019, 158, 86.	1.9	2
81	Parameter Estimation for Multi-state Coherent Series and Parallel Systems with Positively Quadrant Dependent Models. <i>Sankhya A</i> , 2022, 84, 714-742.	0.4	2
82	Uncertainty quantification and estimation of closed curves based on noisy data. <i>Computational Statistics</i> , 2021, 36, 2161-2176.	0.8	2
83	Predicting exoplanet mass from radius and incident flux: a Bayesian mixture model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3853-3865.	1.6	2
84	Bayesian Analysis of Quality Adjusted Lifetime (QAL) Data. <i>Journal of Statistical Theory and Practice</i> , 2007, 1, 233-251.	0.3	1
85	Maximum Likelihood Estimation and Unit Root Test for First Order Random Coefficient AutoRegressive Models. <i>Journal of Statistical Theory and Practice</i> , 2010, 4, 261-278.	0.3	1
86	Effects of Proportional Hazard Assumption on Variable Selection Methods for Censored Data. <i>Statistics in Biopharmaceutical Research</i> , 2020, 12, 199-209.	0.6	1
87	Rating exotic price coverage in crop revenue insurance. <i>Agricultural Finance Review</i> , 2020, 80, 609-631.	0.7	1
88	Exploring the Usefulness of Meteorological Data for Predicting Malaria Cases in Visakhapatnam, Andhra Pradesh. <i>Weather, Climate, and Society</i> , 2020, 12, 323-330.	0.5	1
89	Dynamic Correlation Multivariate Stochastic Volatility Black-Litterman With Latent Factors. <i>International Journal of Statistics and Probability</i> , 2021, 10, 1.	0.1	1
90	Linear Models. <i>Journal of the American Statistical Association</i> , 1998, 93, 402.	1.8	0

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91	Affinity maturation of the humoral immune response: A Bayesian approach. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 367-382.	0.7	0
92	Multiple Events Time Data: A Bayesian Recourse. Handbook of Statistics, 2005, , 891-906.	0.4	0
93	Bayesian Regression Models for the Quality Adjusted Lifetime Data with Zero Time Duration Health States. Journal of Statistical Theory and Practice, 2009, 3, 477-487.	0.3	0
94	A flexible class of models for data arising from a "thorough QT/QTc study"™. Pharmaceutical Statistics, 2011, 10, 122-127.	0.7	0
95	Nonparametric Estimation of Mean Residual Life Function Using Scale Mixtures. , 2017, , 169-191.		0
96	Probabilistic Detection and Estimation of Conic Sections From Noisy Data. Journal of Computational and Graphical Statistics, 2020, 29, 513-522.	0.9	0
97	A Functional Metric Approach to Assess Biosimilarity With Application to Rheumatoid Arthritis Trials. Statistics in Biopharmaceutical Research, 2020, 12, 234-243.	0.6	0
98	A Non-Iterative Quantile Change Detection Method in Mixture Model with Heavy-Tailed Components. , 2020, , .		0
99	Modeling Right-skewed Heavy-tail Right-censored Survival Data with Application to HIV Viral Load. Bulletin of the Malaysian Mathematical Sciences Society, 0, , .	0.4	0