# Murali Haran

List of Publications by Year
in descending order

| 41 papers | 1,694 citations | 361413 20 h-index | 315739 38 g-index |
|---|---|---|---|
| 42 all docs | 42 docs citations | 42 times ranked | 2090 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Dimension Reduction and Alleviation of Confounding for Spatial Generalized Linear Mixed Models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 139-159. | 2.2 | 229 |
| 2 | Markov Chain Monte Carlo: Can We Trust the Third Significant Figure?. Statistical Science, 2008, 23, . | 2.8 | 227 |
| 3 | Fixed-Width Output Analysis for Markov Chain Monte Carlo. Journal of the American Statistical Association, 2006, 101, 1537-1547. | 3.1 | 212 |
| 4 | Piecing together the past: statistical insights into paleoclimatic reconstructions. Quaternary Science Reviews, 2012, 35, 1-22. | 3.0 | 163 |
| 5 | Large ensemble modeling of the last deglacial retreat of the West Antarctic Ice Sheet: comparison of simple and advanced statistical techniques. Geoscientific Model Development, 2016, 9, 1697-1723. | 3.6 | 69 |
| 6 | A climate sensitivity estimate using Bayesian fusion of instrumental observations and an Earth System model. Journal of Geophysical Research, 2012, 117, . | 3.3 | 62 |
| 7 | Autologistic models for binary data on a lattice. Environmetrics, 2011, 22, 857-871. | 1.4 | 56 |
| 8 | Uncertainty analysis in climate change assessments. Nature Climate Change, 2013, 3, 769-771. | 18.8 | 56 |
| 9 | Social Capital and Human Mortality: Explaining the Rural Paradox with County†Level Mortality Data. Rural Sociology, 2011, 76, 347-374. | 2.2 | 53 |
| 10 | <i>Paenibacillus</i> infection with frequent viral coinfection contributes to postinfectious hydrocephalus in Ugandan infants. Science Translational Medicine, 2020, 12, . | 12.4 | 39 |
| 11 | Calibrating an Ice Sheet Model Using High-Dimensional Binary Spatial Data. Journal of the American Statistical Association, 2016, 111, 57-72. | 3.1 | 37 |
| 12 | Climate Projections Using Bayesian Model Averaging and Space–Time Dependence. Journal of Agricultural, Biological, and Environmental Statistics, 2011, 16, 606-628. | 1.4 | 36 |
| 13 | Bayesian Inference in the Presence of Intractable Normalizing Functions. Journal of the American Statistical Association, 2018, 113, 1372-1390. | 3.1 | 36 |
| 14 | The Impacts of Social Capital on Infant Mortality in the U.S.: A Spatial Investigation. Applied Spatial Analysis and Policy, 2009, 2, 211-227. | 2.0 | 35 |
| 15 | Emulating a Gravity Model to Infer the Spatiotemporal Dynamics of an Infectious Disease. Journal of the Royal Statistical Society Series C: Applied Statistics, 2014, 63, 423-444. | 1.0 | 35 |
| 16 | Automated Factor Slice Sampling. Journal of Computational and Graphical Statistics, 2014, 23, 543-563. | 1.7 | 31 |
| 17 | Gaussian Random Field Models for Spatial Data. Chapman & Hall/CRC Interdisciplinary Statistics Series, 2011, , 449-478. | 0.4 | 29 |
| 18 | What is the skill of ocean tracers in reducing uncertainties about ocean diapycnal mixing and projections of the Atlantic Meridional Overturning Circulation?. Journal of Geophysical Research, 2010, 115, . | 3.3 | 28 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Inferring likelihoods and climate system characteristics from climate models and multiple tracers. Environmetrics, 2012, 23, 345-362. | 1.4 | 24 |
| 20 | Multidecadal Scale Detection Time for Potentially Increasing Atlantic Storm Surges in a Warming Climate. Geophysical Research Letters, 2017, 44, 10,617. | 4.0 | 24 |
| 21 | Parallel multivariate slice sampling. Statistics and Computing, 2011, 21, 415-430. | 1.5 | 22 |
| 22 | Dynamic Models of Animal Movement with Spatial Point Process Interactions. Journal of Agricultural, Biological, and Environmental Statistics, 2016, 21, 22-40. | 1.4 | 19 |
| 23 | Accelerating Computation in Markov Random Field Models for Spatial Data via Structured MCMC. Journal of Computational and Graphical Statistics, 2003, 12, 249-264. | 1.7 | 17 |
| 24 | An ensemble approach to predicting the impact of vaccination on rotavirus disease in Niger. Vaccine, 2017, 35, 5835-5841. | 3.8 | 17 |
| 25 | A Computationally Efficient Projection-Based Approach for Spatial Generalized Linear Mixed Models. Journal of Computational and Graphical Statistics, 2018, 27, 701-714. | 1.7 | 17 |
| 26 | A two–stage model for incidence and prevalence in point–level spatial count data. Environmetrics, 2012, 23, 162-174. | 1.4 | 14 |
| 27 | An Attraction–Repulsion Point Process Model for Respiratory Syncytial Virus Infections. Biometrics, 2015, 71, 376-385. | 1.4 | 14 |
| 28 | A spatially varying stochastic differential equation model for animal movement. Annals of Applied Statistics, 2018, 12, . | 1.1 | 14 |
| 29 | Modeling the Social and Spatial Proximity of Crime: Domestic and Sexual Violence Across Neighborhoods. Journal of Quantitative Criminology, 2021, 37, 481-516. | 2.9 | 12 |
| 30 | Improving ice sheet model calibration using paleoclimate and modern data. Annals of Applied Statistics, 2016, 10, . | 1.1 | 11 |
| 31 | Quantifying spatio-temporal variation of invasion spread. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182294. | 2.6 | 10 |
| 32 | Strategic testing approaches for targeted disease monitoring can be used to inform pandemic decision-making. PLoS Biology, 2021, 19, e3001307. | 5.6 | 9 |
| 33 | Estimating the Risk of a Crop Epidemic From Coincident Spatio-temporal Processes. Journal of Agricultural, Biological, and Environmental Statistics, 2010, 15, 158-175. | 1.4 | 7 |
| 34 | On Discriminating between GCM Forcing Configurations Using Bayesian Reconstructions of Late-Holocene Temperatures*. Journal of Climate, 2015, 28, 8264-8281. | 3.2 | 7 |
| 35 | A Compartmental Model for Meningitis: Separating Transmission From Climate Effects on Disease Incidence. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 395-416. | 1.4 | 5 |
| 36 | Inferring ice thickness from a glacier dynamics model and multiple surface data sets. Environmetrics, 2018, 29, e2460. | 1.4 | 5 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | A Function Emulation Approach for Doubly Intractable Distributions. Journal of Computational and Graphical Statistics, 2020, 29, 66-77. | 1.7 | 5 |
| 38 | PICAR: An Efficient Extendable Approach for Fitting Hierarchical Spatial Models. Technometrics, 0, , 1-29. | 1.9 | 5 |
| 39 | Reduced-Dimensional Monte Carlo Maximum Likelihood for Latent Gaussian Random Field Models. Journal of Computational and Graphical Statistics, 2021, 30, 269-283. | 1.7 | 3 |
| 40 | Guest Editors' Introduction to the Special Issue on "Computer Models and Spatial Statistics for Environmental Science" Journal of Agricultural, Biological, and Environmental Statistics, 2011, 16, 451-452. | 1.4 | 0 |
| 41 | Comment on the Mechanistic Modeling and Inference for Cell Motility by Manolopoulou et al.. Journal of the American Statistical Association, 2012, 107, 869-871. | 3.1 | 0 |