Rachel Carroll

List of Publications by Year
in descending order

38 papers	630 citations	840585 11 h-index	642610 23 g-index
40 all docs	40 docs citations	40 times ranked	1063 citing authors

#	Article	IF	Citations
1	Methods for Analysis of Pre-Post Data in Clinical Research: A Comparison of Five Common Methods. Journal of Biometrics & Biostatistics, 2017, 08, 1-8.	4.0	96
2	Urinary trace metals individually and in mixtures in association with preterm birth. Environment International, 2018, 121, 582-590.	4.8	85
3	Metallic Air Pollutants and Breast Cancer Risk in a Nationwide Cohort Study. Epidemiology, 2019, 30, 20-28.	1.2	70
4	Air Pollution, Clustering of Particulate Matter Components, and Breast Cancer in the Sister Study: A U.S.-Wide Cohort. Environmental Health Perspectives, 2019, 127, 107002.	2.8	66
5	Comparing INLA and OpenBUGS for hierarchical Poisson modeling in disease mapping. Spatial and Spatio-temporal Epidemiology, 2015, 14-15, 45-54.	0.9	64
6	Assessment of spatial variation in breast cancer-specific mortality using Louisiana SEER data. Social Science and Medicine, 2017, 193, 1-7.	1.8	20
7	A systematic review of spatial habitat associations and modeling of marine fish distribution: A guide to predictors, methods, and knowledge gaps. PLoS ONE, 2021, 16, e0251818.	1.1	19
8	Disease mapping of zero-excessive mesothelioma data in Flanders. Annals of Epidemiology, 2017, 27, 59-66.e3.	0.9	16
9	Maternal Plasma Concentrations of Per- and Polyfluoroalkyl Substances and Breastfeeding Duration in the Norwegian Mother and Child Cohort. Environmental Epidemiology, 2018, 2, e027.	1.4	15
10	Spatial small area smoothing models for handling survey data with nonresponse. Statistics in Medicine, 2017, 36, 3708-3745.	0.8	14
11	Trends in Colorectal Cancer Incidence and Survival in Iowa SEER Data: The Timing of It All. Clinical Colorectal Cancer, 2019, 18, e261-e274.	1.0	13
12	Spatiotemporal multivariate mixture models for Bayesian model selection in disease mapping. Environmetrics, 2017, 28, e2465.	0.6	11
13	Latent classes for chemical mixtures analyses in epidemiology: an example using phthalate and phenol exposure biomarkers in pregnant women. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 149-159.	1.8	11
14	Spatioâ€temporal Bayesian model selection for disease mapping. Environmetrics, 2016, 27, 466-478.	0.6	10
15	Using spatial and temporal modeling to visualize the effects of U.S. state issued stay at home orders on COVID-19. Scientific Reports, 2021, 11, 13939.	1.6	10
16	Community vulnerability and mobility: What matters most in spatio-temporal modeling of the COVID-19 pandemic?. Social Science and Medicine, 2021, 287, 114395.	1.8	10
17	Space-time variation of respiratory cancers in South Carolina: a flexible multivariate mixture modeling approach to risk estimation. Annals of Epidemiology, 2017, 27, 42-51.	0.9	8
18	Spatially-dependent Bayesian model selection for disease mapping. Statistical Methods in Medical Research, 2018, 27, 250-268.	0.7	8

#	Article	IF	Citations
19	Joint spatial Bayesian modeling for studies combining longitudinal and cross-sectional data. Statistical Methods in Medical Research, 2014, 23, 611-624.	0.7	7
20	Extensions to Multivariate Space Time Mixture Modeling of Small Area Cancer Data. International Journal of Environmental Research and Public Health, 2017, 14, 503.	1.2	7
21	Zeroâ€inflated multiscale models for aggregated small area health data. Environmetrics, 2018, 29, e2477.	0.6	6
22	Temporally dependent accelerated failure time model for capturing the impact of events that alter survival in disease mapping. Biostatistics, 2019, 20, 666-680.	0.9	6
23	An analysis of hurricane impact across multiple cancers: Accessing spatio-temporal variation in cancer-specific survival with Hurricane Katrina and Louisiana SEER data. Health and Place, 2020, 63, 102326.	1.5	6
24	Predicting the Distribution of Penaeid Shrimp Reveals Linkages Between Estuarine and Offshore Marine Habitats. Estuaries and Coasts, 2021, 44, 2265-2278.	1.0	6
25	Implications for health system resilience: Quantifying the impact of the COVID-19-related stay at home orders on cancer screenings and diagnoses in southeastern North Carolina, USA. Preventive Medicine, 2022, 158, 107010.	1.6	6
26	Spatial Environmental Modeling of Autoantibody Outcomes among an African American Population. International Journal of Environmental Research and Public Health, 2014, 11, 2764-2779.	1.2	5
27	Multiscale measurement error models for aggregated small area health data. Statistical Methods in Medical Research, 2016, 25, 1201-1223.	0.7	5
28	Bayesian model selection methods in modeling small area colon cancer incidence. Annals of Epidemiology, 2016, 26, 43-49.	0.9	5
29	Impact of Income on Small Area Low Birth Weight Incidence Using Multiscale Models. AIMS Public Health, 2015, 2, 667-680.	1.1	5
30	Spatial mixture multiscale modeling for aggregated health data. Biometrical Journal, 2016, 58, 1091-1112.	0.6	4
31	Gaining relevance from the random: Interpreting observed spatial heterogeneity. Spatial and Spatio-temporal Epidemiology, 2018, 25, 11-17.	0.9	4
32	A data-driven approach for estimating the change-points and impact of major events on disease risk. Spatial and Spatio-temporal Epidemiology, 2019, 29, 111-118.	0.9	4
33	Comparing multilevel and multiscale convolution models for small area aggregated health data. Spatial and Spatio-temporal Epidemiology, 2017, 22, 39-49.	0.9	3
34	Bayesian latent structure modeling of walking behavior in a physical activity intervention. Statistical Methods in Medical Research, 2016, 25, 2634-2649.	0.7	2
35	Statistical Analysis of fNIRS Data: Consideration of Spatial Varying Coefficient Model of Prefrontal Cortex Activity Changes During Speech Motor Learning in Apraxia of Speech. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	0.7	2
36	Examining Mental Health Disorders in Overweight and Obese Pediatric Patients. Journal of Pediatric Health Care, 2022, 36, 507-519.	0.6	1

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37	Multiscale modeling approach for hierarchical aligned aggregated small area health data. SIGSPATIAL Special, 2016, 8, 12-19.	2.5	0
38	The Quantitative Examination of the Relationship Between Job Satisfaction and Organization Fit in Athletic Trainers. Journal of Athletic Training, 2021, , .	0.9	0