Alexandra M Schmidt

List of Publications by Year
in descending order

57	1,211	623188	395343
papers	citations	14	33
		h-index	g-index

62	62	62	1272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Within city spatiotemporal variation of pollen concentration in the city of Toronto, Canada. Environmental Research, 2022, 206, 112566.	3.7	4
2	Quantifying within-city inequalities in child mortality across neighbourhoods in Accra, Ghana: a Bayesian spatial analysis. BMJ Open, 2022, 12, e054030.	0.8	5
3	Zero-State Coupled Markov Switching Count Models for Spatio-Temporal Infectious Disease Spread. Journal of the Royal Statistical Society Series C: Applied Statistics, 2022, 71, 589-612.	0.5	2
4	Discussion on â€œSpatial+: a novel approach to spatial confoundingâ€•by Emiko Dupont, Simon N. Wood, and Nicole H. Augustin. Biometrics, 2022, 78, 1300-1304.	0.8	3
5	A joint spatial marked point process model for dengue and severe dengue in Medellin, Colombia. Spatial and Spatio-temporal Epidemiology, 2022, 41, 100495.	0.9	3
6	Discussion on â€œA combined estimate of global temperatureâ€• Environmetrics, 2022, 33, .	0.6	1
7	A joint hierarchical model for the number of cases and deaths due to COVID-19 across the boroughs of Montreal. Spatial and Spatio-temporal Epidemiology, 2022, 42, 100518.	0.9	1
8	A Poisson-multinomial spatial model for simultaneous outbreaks with application to arboviral diseases. Statistical Methods in Medical Research, 2022, 31, 1590-1602.	0.7	2
9	The role of case importation in explaining differences in early SARS-CoV-2 transmission dynamics in Canadaâ€"A mathematical modeling study of surveillance data. International Journal of Infectious Diseases, 2021, 102, 254-259.	1.5	20
10	On the Effects of Spatial Confounding in Hierarchical Models. International Statistical Review, 2021, 89, 302-322.	1.1	8
11	Price discounting as a hidden risk factor of energy drink consumption. Canadian Journal of Public Health, 2021, 112, 638-646.	1.1	3
12	Estimating an individual-level deprivation index for HIV/HCV coinfected persons in Canada. PLoS ONE, 2021, 16, e0249836.	1.1	2
13	Spatio-temporal modelling of the first Chikungunya epidemic in an intra-urban setting: The role of socioeconomic status, environment and temperature. PLoS Neglected Tropical Diseases, 2021, 15, e0009537.	1.3	10
14	Generating community measures of food purchasing activities using store-level electronic grocery transaction records: an ecological study in Montreal, Canada. Public Health Nutrition, 2021, 24, 5616-5628.	1.1	0
15	Quantifying within-city inequalities in child mortality across neighbourhoods in Accra, Ghana. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
16	Fluoroquinolone Use and Seasonal Patterns of Ciprofloxacin Resistance in Community-Acquired Urinary Escherichia coli Infection in a Large Urban Center. American Journal of Epidemiology, 2020, 189, 215-223.	1.6	7
17	Spatial confounding in hurdle multilevel beta models: the case of the Brazilian Mathematical Olympics for Public Schools. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 1051-1073.	0.6	5
18	Flexible spatial covariance functions. Spatial Statistics, 2020, 37, 100416.	0.9	6

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19	Socioeconomic factors and bacillary dysentery risk in Jiangsu Province, China: a spatial investigation using Bayesian hierarchical models. International Journal of Environmental Health Research, 2020, , 1-12.	1.3	2
20	Longitudinal evaluation of a household energy package on blood pressure, central hemodynamics, and arterial stiffness in China. Environmental Research, 2019, 177, 108592.	3.7	17
21	An Area-Level Indicator of Latent Soda Demand: Spatial Statistical Modeling of Grocery Store Transaction Data to Characterize the Nutritional Landscape in Montreal, Canada. American Journal of Epidemiology, 2019, 188, 1713-1722.	1.6	1
22	Joint Modeling of Resistance to Six Antimicrobials in Urinary Escherichia coli Isolates in Quebec, Canada. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	1
23	Healthcare-associated bloodstream infection trends under a provincial surveillance program. Infection Control and Hospital Epidemiology, 2019, 40, 307-313.	1.0	0
24	Bayesian estimation of the average treatment effect on the treated using inverse weighting. Statistics in Medicine, 2019, 38, 2447-2466.	0.8	2
25	Dynamic models. , 2019, , 57-80.		3
26	Accounting for covariate information in the scale component of spatio-temporal mixing models. Spatial Statistics, 2017, 22, 196-218.	0.9	6
27	Spatiotemporal models for skewed processes. Environmetrics, 2017, 28, e2411.	0.6	12
28	Authors' rejoinder to the discussion comments of Genton and Hering, and Huerta and Stroud. Environmetrics, 2017, 28, e2452.	0.6	0
29	A nonlinear population Monte Carlo scheme for the Bayesian estimation of parameters of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:mi>α</mml:mi></mml:math>-stable distributions. Computational Statistics and Data Analysis, 2016, 95, 57-74.	0.7	13
30	Population counts along elliptical habitat contours: Hierarchical modeling using Poisson-lognormal mixtures with nonstationary spatial structure. Annals of Applied Statistics, 2015, 9, .	0.5	6
31	Accounting for Spatially Varying Directional Effects in Spatial Covariance Structures. Journal of the Royal Statistical Society Series C: Applied Statistics, 2014, 63, 103-122.	0.5	28
32	An efficient sampling scheme for dynamic generalized models. Computational Statistics, 2013, 28, 2267-2293.	0.8	4
33	Covariance structure of spatial and spatiotemporal processes. Wiley Interdisciplinary Reviews: Computational Statistics, 2013, 5, 279-287.	2.1	14
34	A Hierarchical Model for Aggregated Functional Data. Technometrics, 2013, 55, 321-334.	1.3	7
35	Measuring the vulnerability of the Uruguayan population to vector-borne diseases via spatially hierarchical factor models. Annals of Applied Statistics, 2012, 6, .	0.5	5
36	A class of covariate-dependent spatiotemporal covariance functions for the analysis of daily ozone concentration. Annals of Applied Statistics, 2011, 5, 2265-2687.	0.5	45

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37	Modelling Time Series of Counts in Epidemiology. International Statistical Review, 2011, 79, 48-69.	1.1	17
38	Considering covariates in the covariance structure of spatial processes. Environmetrics, 2011, 22, 487-500.	0.6	59
39	Spatially Varying Autoregressive Processes. Technometrics, 2011, 53, 310-321.	1.3	7
40	Modelling Multivariate Counts Varying Continuously in Space*. , 2011, , 611-638.		14
41	Stochastic search algorithms for optimal design of monitoring networks. Environmetrics, 2010, 21, 102-112.	0.6	10
42	Comment on article by Craigmile et al.. Bayesian Analysis, 2009, 4, .	1.6	0
43	Spatial stochastic frontier models: accounting for unobserved local determinants of inefficiency. Journal of Productivity Analysis, 2009, 31, 101-112.	0.8	48
44	Modelling zero-inflated spatio-temporal processes. Statistical Modelling, 2009, 9, 3-25.	0.5	29
45	Bayesian spatio€temporal models based on discrete convolutions. Canadian Journal of Statistics, 2008, 36, 239-258.	0.6	26
46	A joint model for rainfall€"runoff: The case of Rio Grande Basin. Journal of Hydrology, 2008, 353, 189-200.	2.3	24
47	Investigating the sensitivity of Gaussian processes to the choice of their correlation function and prior specifications. Journal of Statistical Computation and Simulation, 2008, 78, 681-699.	0.7	10
48	Revisiting distributed lag models through a Bayesian perspective. Applied Stochastic Models in Business and Industry, 2006, 22, 193-210.	0.9	23
49	Modelling species diversity through species level hierarchical modelling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2005, 54, 1-20.	0.5	126
50	Spatio-temporal models for mapping the incidence of malaria in ParÃ¡. Environmetrics, 2005, 16, 291-304.	0.6	47
51	Nonstationary multivariate process modeling through spatially varying coregionalization. Test, 2004, 13, 263-312.	0.7	245
52	Bayesian inference for non-stationary spatial covariance structure via spatial deformations. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2003, 65, 743-758.	1.1	161
53	A Bayesian coregionalization approach for multivariate pollutant data. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	89
54	Hyperparameter estimation in forecast models. Computational Statistics and Data Analysis, 1999, 29, 387-410.	0.7	14

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55	An adaptive resampling scheme for cycle estimation. Journal of Applied Statistics, 1999, 26, 619-641.	0.6	8
56	Temporal Aggregation in Dynamic Linear Models. Journal of Forecasting, 1997, 16, 293-310.	1.6	3
57	Revisiting Transfer Functions: Learning About a Lagged Exposure-Outcome Association in Time-Series Data. International Journal of Public Health, 0, 67, .	1.0	0