

# David C Wheeler

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,877  
citations

471509

17  
h-index

276875

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Weighted Quantile Sum Regression for Highly Correlated Data in a Risk Analysis Setting. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 100-120.	1.4	630
2	A hybrid machine learning model to predict and visualize nitrate concentration throughout the Central Valley aquifer, California, USA. <i>Science of the Total Environment</i> , 2017, 601-602, 1160-1172.	8.0	124
3	Analysis of Environmental Chemical Mixtures and Non-Hodgkin Lymphoma Risk in the NCI-SEER NHL Study. <i>Environmental Health Perspectives</i> , 2015, 123, 965-970.	6.0	120
4	Modeling groundwater nitrate concentrations in private wells in Iowa. <i>Science of the Total Environment</i> , 2015, 536, 481-488.	8.0	112
5	Assessment of Weighted Quantile Sum Regression for Modeling Chemical Mixtures and Cancer Risk. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17295.	1.9	110
6	A comparison of spatial clustering and cluster detection techniques for childhood leukemia incidence in Ohio, 1996 – 2003. <i>International Journal of Health Geographics</i> , 2007, 6, 13.	2.5	107
7	A Tale of Two Swaths: Urban Childhood Blood-Lead Levels across Syracuse, New York. <i>Annals of the American Association of Geographers</i> , 1998, 88, 640-665.	3.0	47
8	Modeling groundwater nitrate exposure in private wells of North Carolina for the Agricultural Health Study. <i>Science of the Total Environment</i> , 2019, 655, 512-519.	8.0	39
9	Workplace support and breastfeeding duration: The mediating effect of breastfeeding intention and self-efficacy. <i>Birth</i> , 2019, 46, 121-128.	2.2	38
10	Mountains, valleys, and rivers: The transmission of raccoon rabies over a heterogeneous landscape. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2008, 13, 388-406.	1.4	36
11	Assessment of Residential History Generation Using a Public-Record Database. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11670-11682.	2.6	33
12	Explaining variation in elevated blood lead levels among children in Minnesota using neighborhood socioeconomic variables. <i>Science of the Total Environment</i> , 2019, 650, 970-977.	8.0	28
13	Spatial-temporal analysis of non-Hodgkin lymphoma in the NCI-SEER NHL case-control study. <i>Environmental Health</i> , 2011, 10, 63.	4.0	27
14	Inside the black box: starting to uncover the underlying decision rules used in a one-by-one expert assessment of occupational exposure in case-control studies. <i>Occupational and Environmental Medicine</i> , 2013, 70, 203-210.	2.8	26
15	Assessing the relationship between groundwater nitrate and animal feeding operations in Iowa (USA). <i>Science of the Total Environment</i> , 2016, 566-567, 1062-1068.	8.0	24
16	Estimating an area-level socioeconomic status index and its association with colonoscopy screening adherence. <i>PLoS ONE</i> , 2017, 12, e0179272.	2.5	24
17	Assessment of Grouped Weighted Quantile Sum Regression for Modeling Chemical Mixtures and Cancer Risk. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 504.	2.6	22
18	Neighborhood Disadvantage and Tobacco Retail Outlet and Vape Shop Outlet Rates. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2864.	2.6	21

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19	Modeling elevated blood lead level risk across the United States. <i>Science of the Total Environment</i> , 2021, 769, 145237.	8.0	19
20	Exercise programme to improve quality of life for patients with end-stage kidney disease receiving haemodialysis: the PEDAL RCT. <i>Health Technology Assessment</i> , 2021, 25, 1-52.	2.8	19
21	Bayesian deprivation index models for explaining variation in elevated blood lead levels among children in Maryland. <i>Spatial and Spatio-temporal Epidemiology</i> , 2019, 30, 100286.	1.7	18
22	Estimated IQ points and lifetime earnings lost to early childhood blood lead levels in the United States. <i>Science of the Total Environment</i> , 2021, 778, 146307.	8.0	16
23	Applying strategies from libertarian paternalism to decision making for prostate specific antigen (PSA) screening. <i>BMC Cancer</i> , 2011, 11, 148.	2.6	15
24	Spatial-Temporal Analysis of Cancer Risk in Epidemiologic Studies with Residential Histories. <i>Annals of the American Association of Geographers</i> , 2012, 102, 1049-1057.	3.0	15
25	A Bayesian approach to improving spatial estimates of prevalence of COVID-19 after accounting for misclassification bias in surveillance data in Philadelphia, PA. <i>Spatial and Spatio-temporal Epidemiology</i> , 2021, 36, 100401.	1.7	14
26	Bayesian Group Index Regression for Modeling Chemical Mixtures and Cancer Risk. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3486.	2.6	14
27	Area-Level Variation and Human Papillomavirus Vaccination among Adolescents and Young Adults in the United States: A Systematic Review. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 13-21.	2.5	14
28	Modeling epilepsy disparities among ethnic groups in Philadelphia, PA. <i>Statistics in Medicine</i> , 2008, 27, 4069-4085.	1.6	13
29	Spatial-temporal analysis of non-Hodgkin lymphoma risk using multiple residential locations. <i>Spatial and Spatio-temporal Epidemiology</i> , 2012, 3, 163-171.	1.7	13
30	Importance of Familial Opinions on Breastfeeding Practices: Differences Between Father, Mother, and Mother-in-Law. <i>Breastfeeding Medicine</i> , 2019, 14, 560-567.	1.7	13
31	Accounting for the uncertainty due to chemicals below the detection limit in mixture analysis. <i>Environmental Research</i> , 2020, 186, 109466.	7.5	13
32	The Impact of the Professional Qualifications of the Prenatal Care Provider on Breastfeeding Duration. <i>Breastfeeding Medicine</i> , 2018, 13, 106-111.	1.7	11
33	Associations of Alcohol and Tobacco Retail Outlet Rates with Neighborhood Disadvantage. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1134.	2.6	11
34	Using Hierarchical Cluster Models to Systematically Identify Groups of Jobs With Similar Occupational Questionnaire Response Patterns to Assist Rule-Based Expert Exposure Assessment in Population-Based Studies. <i>Annals of Occupational Hygiene</i> , 2015, 59, 455-66.	1.9	9
35	Evaluating Geographically Weighted Regression Models for Environmental Chemical Risk Analysis. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17296.	1.9	9
36	Comparison of Ordinal and Nominal Classification Trees to Predict Ordinal Expert-Based Occupational Exposure Estimates in a Case-control Study. <i>Annals of Occupational Hygiene</i> , 2014, 59, 324-35.	1.9	7

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37	Relationship Between Life-Space Mobility and Health Characteristics in Older Adults Using Global Positioning System Watches. <i>Journal of Applied Gerontology</i> , 2022, 41, 1186-1195.	2.0	7
38	Spatial Analysis of the Impact of a School-Level Youth Violence Prevention Program on Violent Crime Incidents in the Community. <i>Prevention Science</i> , 2019, 20, 521-531.	2.6	6
39	Evaluation of neighborhood deprivation and store characteristics in relation to tobacco retail outlet sales violations. <i>PLoS ONE</i> , 2021, 16, e0254443.	2.5	6
40	Modeling annual elevated blood lead levels among children in Maryland in relation to neighborhood deprivation. <i>Science of the Total Environment</i> , 2022, 805, 150333.	8.0	6
41	Imputation of Below Detection Limit Missing Data in Chemical Mixture Analysis with Bayesian Group Index Regression. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1369.	2.6	6
42	Neighborhood Deprivation is Associated with Increased Risk of Prenatal Smoke Exposure. <i>Prevention Science</i> , 2022, , 1.	2.6	5
43	Selecting Spatial Scale of Covariates in Regression Models of Environmental Exposures. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17302.	1.9	4
44	Modeling Pediatric Body Mass Index and Neighborhood Environment at Different Spatial Scales. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 473.	2.6	4
45	The impact of population mobility on estimates of environmental exposure effects in a case-control study. <i>Statistics in Medicine</i> , 2020, 39, 1610-1622.	1.6	4
46	Identifying Area-Level Disparities in Human Papillomavirus Vaccination Coverage Using Geospatial Analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 1689-1696.	2.5	4
47	Knot selection for low-rank kriging models of spatial risk in case-control studies. <i>Spatial and Spatio-temporal Epidemiology</i> , 2022, 41, 100483.	1.7	4
48	Estimating cumulative spatial risk over time with low-rank kriging multiple membership models. <i>Statistics in Medicine</i> , 2022, 41, 4593-4606.	1.6	4
49	Determinants of Youth-Reported Past 30-Day Tobacco Use. <i>Journal of Community Health</i> , 2020, 45, 954-964.	3.8	2
50	The Intersection of Neighborhood Environment and Adverse Childhood Experiences: Methods for Creation of a Neighborhood ACEs Index. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7819.	2.6	2
51	Spatial analysis of the relative risk of suicide for Virginia counties incorporating uncertainty of variable estimates. <i>Spatial and Spatio-temporal Epidemiology</i> , 2018, 27, 71-83.	1.7	1
52	Spatially Varying Associations of Neighborhood Disadvantage with Alcohol and Tobacco Retail Outlet Rates. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5244.	2.6	1
53	The timing of geographic power. <i>Statistics in Medicine</i> , 2020, 39, 3624-3636.	1.6	0