David C Wheeler

List of Publications by Year
in descending order

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	Modeling annual elevated blood lead levels among children in Maryland in relation to neighborhood deprivation. Science of the Total Environment, 2022, 805, 150333.	8.0	6
2	Relationship Between Life-Space Mobility and Health Characteristics in Older Adults Using Global Positioning System Watches. Journal of Applied Gerontology, 2022, 41, 1186-1195.	2.0	7
3	Associations of Alcohol and Tobacco Retail Outlet Rates with Neighborhood Disadvantage. International Journal of Environmental Research and Public Health, 2022, 19, 1134.	2.6	11
4	Imputation of Below Detection Limit Missing Data in Chemical Mixture Analysis with Bayesian Group Index Regression. International Journal of Environmental Research and Public Health, 2022, 19, 1369.	2.6	6
5	Knot selection for low-rank kriging models of spatial risk in case-control studies. Spatial and Spatio-temporal Epidemiology, 2022, 41, 100483.	1.7	4
6	Neighborhood Deprivation is Associated with Increased Risk of Prenatal Smoke Exposure. Prevention Science, 2022, , 1.	2.6	5
7	Spatially Varying Associations of Neighborhood Disadvantage with Alcohol and Tobacco Retail Outlet Rates. International Journal of Environmental Research and Public Health, 2022, 19, 5244.	2.6	1
8	The Intersection of Neighborhood Environment and Adverse Childhood Experiences: Methods for Creation of a Neighborhood ACEs Index. International Journal of Environmental Research and Public Health, 2022, 19, 7819.	2.6	2
9	Estimating cumulative spatial risk over time with low‑rank‑kriging multiple membership models. Statistics in Medicine, 2022, 41, 4593-4606.	1.6	4
10	A Bayesian approach to improving spatial estimates of prevalence of COVID-19 after accounting for misclassification bias in surveillance data in Philadelphia, PA. Spatial and Spatio-temporal Epidemiology, 2021, 36, 100401.	1.7	14
11	Bayesian Group Index Regression for Modeling Chemical Mixtures and Cancer Risk. International Journal of Environmental Research and Public Health, 2021, 18, 3486.	2.6	14
12	Modeling elevated blood lead level risk across the United States. Science of the Total Environment, 2021, 769, 145237.	8.0	19
13	Identifying Area-Level Disparities in Human Papillomavirus Vaccination Coverage Using Geospatial Analysis. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1689-1696.	2.5	4
14	Exercise programme to improve quality of life for patients with end-stage kidney disease receiving haemodialysis: the PEDAL RCT. Health Technology Assessment, 2021, 25, 1-52.	2.8	19
15	Evaluation of neighborhood deprivation and store characteristics in relation to tobacco retail outlet sales violations. PLoS ONE, 2021, 16, e0254443.	2.5	6
16	Estimated IQ points and lifetime earnings lost to early childhood blood lead levels in the United States. Science of the Total Environment, 2021, 778, 146307.	8.0	16
17	Assessment of Grouped Weighted Quantile Sum Regression for Modeling Chemical Mixtures and Cancer Risk. International Journal of Environmental Research and Public Health, 2021, 18, 504.	2.6	22
18	Area-Level Variation and Human Papillomavirus Vaccination among Adolescents and Young Adults in the United States: A Systematic Review. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 13-21.	2.5	14

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19	The timing of geographic power. Statistics in Medicine, 2020, 39, 3624-3636.	1.6	0
20	The impact of population mobility on estimates of environmental exposure effects in a case–control study. Statistics in Medicine, 2020, 39, 1610-1622.	1.6	4
21	Determinants of Youth-Reported Past 30-Day Tobacco Use. Journal of Community Health, 2020, 45, 954-964.	3.8	2
22	Accounting for the uncertainty due to chemicals below the detection limit in mixture analysis. Environmental Research, 2020, 186, 109466.	7.5	13
23	Neighborhood Disadvantage and Tobacco Retail Outlet and Vape Shop Outlet Rates. International Journal of Environmental Research and Public Health, 2020, 17, 2864.	2.6	21
24	Workplace support and breastfeeding duration: The mediating effect of breastfeeding intention and self–efficacy. Birth, 2019, 46, 121-128.	2.2	38
25	Bayesian deprivation index models for explaining variation in elevated blood lead levels among children in Maryland. Spatial and Spatio-temporal Epidemiology, 2019, 30, 100286.	1.7	18
26	Importance of Familial Opinions on Breastfeeding Practices: Differences Between Father, Mother, and Mother-in-Law. Breastfeeding Medicine, 2019, 14, 560-567.	1.7	13
27	Spatial Analysis of the Impact of a School-Level Youth Violence Prevention Program on Violent Crime Incidents in the Community. Prevention Science, 2019, 20, 521-531.	2.6	6
28	Explaining variation in elevated blood lead levels among children in Minnesota using neighborhood socioeconomic variables. Science of the Total Environment, 2019, 650, 970-977.	8.0	28
29	Modeling groundwater nitrate exposure in private wells of North Carolina for the Agricultural Health Study. Science of the Total Environment, 2019, 655, 512-519.	8.0	39
30	The Impact of the Professional Qualifications of the Prenatal Care Provider on Breastfeeding Duration. Breastfeeding Medicine, 2018, 13, 106-111.	1.7	11
31	Spatial analysis of the relative risk of suicide for Virginia counties incorporating uncertainty of variable estimates. Spatial and Spatio-temporal Epidemiology, 2018, 27, 71-83.	1.7	1
32	Modeling Pediatric Body Mass Index and Neighborhood Environment at Different Spatial Scales. International Journal of Environmental Research and Public Health, 2018, 15, 473.	2.6	4
33	A hybrid machine learning model to predict and visualize nitrate concentration throughout the Central Valley aquifer, California, USA. Science of the Total Environment, 2017, 601-602, 1160-1172.	8.0	124
34	Estimating an area-level socioeconomic status index and its association with colonoscopy screening adherence. PLoS ONE, 2017, 12, e0179272.	2.5	24
35	Assessing the relationship between groundwater nitrate and animal feeding operations in Iowa (USA). Science of the Total Environment, 2016, 566-567, 1062-1068.	8.0	24
36	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. Annals of Occupational Hygiene, 2015, 59, 455-66.	1.9	9

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37	Assessment of Weighted Quantile Sum Regression for Modeling Chemical Mixtures and Cancer Risk. Cancer Informatics, 2015, 14s2, CIN.S17295.	1.9	110
38	Evaluating Geographically Weighted Regression Models for Environmental Chemical Risk Analysis. Cancer Informatics, 2015, 14s2, CIN.S17296.	1.9	9
39	Selecting Spatial Scale of Covariates in Regression Models of Environmental Exposures. Cancer Informatics, 2015, 14s2, CIN.S17302.	1.9	4
40	Analysis of Environmental Chemical Mixtures and Non-Hodgkin Lymphoma Risk in the NCI-SEER NHL Study. Environmental Health Perspectives, 2015, 123, 965-970.	6.0	120
41	Assessment of Residential History Generation Using a Public-Record Database. International Journal of Environmental Research and Public Health, 2015, 12, 11670-11682.	2.6	33
42	Characterization of Weighted Quantile Sum Regression for Highly Correlated Data in a Risk Analysis Setting. Journal of Agricultural, Biological, and Environmental Statistics, 2015, 20, 100-120.	1.4	630
43	Modeling groundwater nitrate concentrations in private wells in Iowa. Science of the Total Environment, 2015, 536, 481-488.	8.0	112
44	Comparison of Ordinal and Nominal Classification Trees to Predict Ordinal Expert-Based Occupational Exposure Estimates in a Case–Control Study. Annals of Occupational Hygiene, 2014, 59, 324-35.	1.9	7
45	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. Occupational and Environmental Medicine, 2013, 70, 203-210.	2.8	26
46	Spatial-Temporal Analysis of Cancer Risk in Epidemiologic Studies with Residential Histories. Annals of the American Association of Geographers, 2012, 102, 1049-1057.	3.0	15
47	Spatial–temporal analysis of non-Hodgkin lymphoma risk using multiple residential locations. Spatial and Spatio-temporal Epidemiology, 2012, 3, 163-171.	1.7	13
48	Applying strategies from libertarian paternalism to decision making for prostate specific antigen (PSA) screening. BMC Cancer, 2011, 11, 148.	2.6	15
49	Spatial-temporal analysis of non-Hodgkin lymphoma in the NCI-SEER NHL case-control study. Environmental Health, 2011, 10, 63.	4.0	27
50	Modeling epilepsy disparities among ethnic groups in Philadelphia, PA. Statistics in Medicine, 2008, 27, 4069-4085.	1.6	13
51	Mountains, valleys, and rivers: The transmission of raccoon rabies over a heterogeneous landscape. Journal of Agricultural, Biological, and Environmental Statistics, 2008, 13, 388-406.	1.4	36
52	A comparison of spatial clustering and cluster detection techniques for childhood leukemia incidence in Ohio, 1996 – 2003. International Journal of Health Geographics, 2007, 6, 13.	2.5	107
53	A Tale of Two Swaths: Urban Childhood Blood-Lead Levels across Syracuse, New York. Annals of the American Association of Geographers, 1998, 88, 640-665.	3.0	47