

Kiros Berhane

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

8,620
citations

40
h-index

92
g-index

114
ext. papers

9,922
ext. citations

8.1
avg, IF

5.51
L-index

#	Paper	IF	Citations
111	The effect of air pollution on lung development from 10 to 18 years of age. <i>New England Journal of Medicine</i> , 2004 , 351, 1057-67	59.2	927
110	Asthma in exercising children exposed to ozone: a cohort study. <i>Lancet, The</i> , 2002 , 359, 386-91	40	553
109	Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study. <i>Lancet, The</i> , 2007 , 369, 571-7	40	521
108	Traffic, susceptibility, and childhood asthma. <i>Environmental Health Perspectives</i> , 2006 , 114, 766-72	8.4	459
107	Childhood incident asthma and traffic-related air pollution at home and school. <i>Environmental Health Perspectives</i> , 2010 , 118, 1021-6	8.4	389
106	Association of improved air quality with lung development in children. <i>New England Journal of Medicine</i> , 2015 , 372, 905-13	59.2	371
105	Obesity and the risk of newly diagnosed asthma in school-age children. <i>American Journal of Epidemiology</i> , 2003 , 158, 406-15	3.8	289
104	E-Cigarettes and Future Cigarette Use. <i>Pediatrics</i> , 2016 , 138,	7.4	273
103	Association between air pollution and lung function growth in southern California children: results from a second cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 76-84	10.2	257
102	Effects of glutathione S-transferase M1, maternal smoking during pregnancy, and environmental tobacco smoke on asthma and wheezing in children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 457-63	10.2	254
101	Traffic-related air pollution and asthma onset in children: a prospective cohort study with individual exposure measurement. <i>Environmental Health Perspectives</i> , 2008 , 116, 1433-8	8.4	231
100	Maternal smoking during pregnancy, environmental tobacco smoke exposure and childhood lung function. <i>Thorax</i> , 2000 , 55, 271-6	7.3	229
99	Childhood obesity and proximity to urban parks and recreational resources: a longitudinal cohort study. <i>Health and Place</i> , 2011 , 17, 207-14	4.6	227
98	Psychosocial Factors Associated With Adolescent Electronic Cigarette and Cigarette Use. <i>Pediatrics</i> , 2015 , 136, 308-17	7.4	180
97	Electronic Cigarette Use and Respiratory Symptoms in Adolescents. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1043-1049	10.2	174
96	Prospective study of air pollution and bronchitic symptoms in children with asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 790-7	10.2	153
95	Effects of in utero and environmental tobacco smoke exposure on lung function in boys and girls with and without asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 2097-104	10.2	151

94	Health effects of the 2003 Southern California wildfires on children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 1221-8	10.2	145
93	Effects of early onset asthma and in utero exposure to maternal smoking on childhood lung function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 167, 917-24	10.2	145
92	Parental stress increases the effect of traffic-related air pollution on childhood asthma incidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12406-11	11.5	140
91	Regular smoking and asthma incidence in adolescents. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 1094-100	10.2	135
90	A longitudinal cohort study of body mass index and childhood exposure to secondhand tobacco smoke and air pollution: the Southern California Children's Health Study. <i>Environmental Health Perspectives</i> , 2015 , 123, 360-6	8.4	110
89	Traffic-related exposures, airway function, inflammation, and respiratory symptoms in children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 1236-42	10.2	101
88	Relationship between air pollution, lung function and asthma in adolescents. <i>Thorax</i> , 2007 , 62, 957-63	7.3	89
87	Patterns of Alternative Tobacco Product Use: Emergence of Hookah and E-cigarettes as Preferred Products Amongst Youth. <i>Journal of Adolescent Health</i> , 2016 , 58, 181-5	5.8	88
86	Impact of highly active antiretroviral therapy on anemia and relationship between anemia and survival in a large cohort of HIV-infected women: Women's Interagency HIV Study. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2004 , 37, 1245-52	3.1	88
85	The E-cigarette Social Environment, E-cigarette Use, and Susceptibility to Cigarette Smoking. <i>Journal of Adolescent Health</i> , 2016 , 59, 75-80	5.8	85
84	Longitudinal Associations Between Ambient Air Pollution With Insulin Sensitivity, β Cell Function, and Adiposity in Los Angeles Latino Children. <i>Diabetes</i> , 2017 , 66, 1789-1796	0.9	82
83	Prenatal exposure to urban air nanoparticles in mice causes altered neuronal differentiation and depression-like responses. <i>PLoS ONE</i> , 2013 , 8, e64128	3.7	80
82	Effects of Childhood Asthma on the Development of Obesity among School-aged Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1181-1188	10.2	68
81	A meta-analysis of 61 sperm count studies revisited. <i>Fertility and Sterility</i> , 1997 , 67, 1103-8	4.8	64
80	Association of Changes in Air Quality With Bronchitic Symptoms in Children in California, 1993-2012. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1491-501	27.4	64
79	Perfluoroalkyl substances, metabolomic profiling, and alterations in glucose homeostasis among overweight and obese Hispanic children: A proof-of-concept analysis. <i>Environment International</i> , 2019 , 126, 445-453	12.9	54
78	Self-esteem and adiposity in black and white girls: the NHLBI Growth and Health Study. <i>Annals of Epidemiology</i> , 1997 , 7, 550-60	6.4	54
77	Factors influencing whether children walk to school. <i>Health and Place</i> , 2013 , 22, 153-61	4.6	53

76	Associations of air pollution, obesity and cardiometabolic health in young adults: The Meta-AIR study. <i>Environment International</i> , 2019 , 133, 105180	12.9	52
75	Residential traffic-related pollution exposures and exhaled nitric oxide in the children's health study. <i>Environmental Health Perspectives</i> , 2011 , 119, 1472-7	8.4	47
74	Sex-specific effects of asthma on pulmonary function in children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 1723-30	10.2	45
73	Longitudinal associations of in utero and early life near-roadway air pollution with trajectories of childhood body mass index. <i>Environmental Health</i> , 2018 , 17, 64	6	44
72	Assessing uncertainty in spatial exposure models for air pollution health effects assessment. <i>Environmental Health Perspectives</i> , 2007 , 115, 1147-53	8.4	43
71	Childhood air pollutant exposure and carotid artery intima-media thickness in young adults. <i>Circulation</i> , 2012 , 126, 1614-20	16.7	37
70	Statistical Issues in Studies of the Long-Term Effects of Air Pollution: The Southern California Children's Health Study. <i>Statistical Science</i> , 2004 , 19, 414	2.4	37
69	Effects of glutathione S-transferase P1, M1, and T1 on acute respiratory illness in school children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 346-51	10.2	37
68	Dog ownership enhances symptomatic responses to air pollution in children with asthma. <i>Environmental Health Perspectives</i> , 2006 , 114, 1910-5	8.4	34
67	Longitudinal effects of air pollution on exhaled nitric oxide: the Children's Health Study. <i>Occupational and Environmental Medicine</i> , 2014 , 71, 507-13	2.1	33
66	Functional variants in the catalase and myeloperoxidase genes, ambient air pollution, and respiratory-related school absences: an example of epistasis in gene-environment interactions. <i>American Journal of Epidemiology</i> , 2009 , 170, 1494-501	3.8	33
65	Traffic-related air pollution and alveolar nitric oxide in southern California children. <i>European Respiratory Journal</i> , 2016 , 47, 1348-56	13.6	32
64	Tobacco Marketing and Subsequent Use of Cigarettes, E-Cigarettes, and Hookah in Adolescents. <i>Nicotine and Tobacco Research</i> , 2019 , 21, 926-932	4.9	32
63	Does early onset asthma increase childhood obesity risk? A pooled analysis of 16 European cohorts. <i>European Respiratory Journal</i> , 2018 , 52,	13.6	30
62	Social environment and asthma: associations with crime and No Child Left Behind programmes. <i>Journal of Epidemiology and Community Health</i> , 2011 , 65, 859-65	5.1	29
61	Cockroach counts and house dust allergen concentrations after professional cockroach control and cleaning. <i>Annals of Allergy, Asthma and Immunology</i> , 2003 , 91, 546-52	3.2	29
60	Carotid artery intima-media thickness in college students: race/ethnicity matters. <i>Atherosclerosis</i> , 2011 , 217, 441-6	3.1	28
59	Variation in the GST mu locus and tobacco smoke exposure as determinants of childhood lung function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 601-7	10.2	28

58	Tobacco Retail Licensing and Youth Product Use. <i>Pediatrics</i> , 2019 , 143,	7.4	27
57	Inflammatory response of monocytes to ambient particles varies by highway proximity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 51, 802-9	5.7	27
56	Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 46-55	11.5	27
55	Bayesian modeling of air pollution health effects with missing exposure data. <i>American Journal of Epidemiology</i> , 2006 , 164, 69-76	3.8	27
54	Prenatal Air Pollution Exposure and Early Cardiovascular Phenotypes in Young Adults. <i>PLoS ONE</i> , 2016 , 11, e0150825	3.7	27
53	Using tensor product splines in modeling exposure-time-response relationships: application to the Colorado Plateau Uranium Miners cohort. <i>Statistics in Medicine</i> , 2008 , 27, 5484-96	2.3	25
52	Predicting residential ozone deficits from nearby traffic. <i>Science of the Total Environment</i> , 2006 , 363, 166-74	10.2	25
51	TNF-308 modifies the effect of second-hand smoke on respiratory illness-related school absences. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 1563-8	10.2	25
50	Longitudinal Analysis of Particulate Air Pollutants and Adolescent Delinquent Behavior in Southern California. <i>Journal of Abnormal Child Psychology</i> , 2018 , 46, 1283-1293	4	24
49	Generalized additive models for longitudinal data. <i>Canadian Journal of Statistics</i> , 1998 , 26, 517-535	0.4	23
48	Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. <i>Environment International</i> , 2020 , 143, 105933	12.9	23
47	Review of Climate Change and Health in Ethiopia: Status and Gap Analysis. <i>Ethiopian Journal of Health Development</i> , 2016 , 30, 28-41		20
46	Indoor and Outdoor Air Pollution- related Health Problem in Ethiopia: Review of Related Literature. <i>Ethiopian Journal of Health Development</i> , 2016 , 30, 5-16		20
45	Perceived stress and poly-tobacco product use across adolescence: Patterns of association and gender differences. <i>Journal of Psychiatric Research</i> , 2017 , 94, 172-179	5.2	19
44	Estimation of parameters in the two-compartment model for exhaled nitric oxide. <i>PLoS ONE</i> , 2014 , 9, e85471	3.7	19
43	Study Design, Protocol and Profile of the Maternal And Developmental Risks from Environmental and Social Stressors (MADRES) Pregnancy Cohort: a Prospective Cohort Study in Predominantly Low-Income Hispanic Women in Urban Los Angeles. <i>BMC Pregnancy and Childbirth</i> , 2019 , 19, 189	3.2	18
42	In utero smoke exposure, glutathione S-transferase P1 haplotypes, and respiratory illness-related absence among schoolchildren. <i>Pediatrics</i> , 2009 , 123, 1344-51	7.4	17
41	Spatial pattern and determinants of anaemia in Ethiopia. <i>PLoS ONE</i> , 2018 , 13, e0197171	3.7	17

40	Near-roadway air pollution exposure and altered fatty acid oxidation among adolescents and young adults - The interplay with obesity. <i>Environment International</i> , 2019 , 130, 104935	12.9	16
39	Increased physical activity and reduced adiposity in overweight Hispanic adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 478-84	1.2	15
38	A three-level model for binary time-series data: the effects of air pollution on school absences in the Southern California Children's Health Study. <i>Statistics in Medicine</i> , 2005 , 24, 1103-15	2.3	15
37	Arsenic and birth outcomes in a predominately lower income Hispanic pregnancy cohort in Los Angeles. <i>Environmental Research</i> , 2020 , 184, 109294	7.9	14
36	Genetic and epigenetic susceptibility of airway inflammation to PM in school children: new insights from quantile regression. <i>Environmental Health</i> , 2017 , 16, 88	6	14
35	Long-Term Ambient Temperature and Externalizing Behaviors in Adolescents. <i>American Journal of Epidemiology</i> , 2018 , 187, 1931-1941	3.8	14
34	A two-stage model for multiple time series data of counts. <i>Biostatistics</i> , 2002 , 3, 21-32	3.7	13
33	Inference in spline-based models for multiple time-to-event data, with applications to a breast cancer prevention trial. <i>Biometrics</i> , 2003 , 59, 859-68	1.8	12
32	Occupational Health and Safety in Ethiopia: A review of Situational Analysis and Needs Assessment. <i>Ethiopian Journal of Health Development</i> , 2016 , 30, 17-27		12
31	Effects of policy-driven hypothetical air pollutant interventions on childhood asthma incidence in southern California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15883-15888	11.5	11
30	Ethnic differences in the effect of asthma on pulmonary function in children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 596-603	10.2	11
29	A Bayesian approach to functional-based multilevel modeling of longitudinal data: applications to environmental epidemiology. <i>Biostatistics</i> , 2008 , 9, 686-99	3.7	11
28	The Dynamic Relationship Between Asthma and Obesity in Schoolchildren. <i>American Journal of Epidemiology</i> , 2020 , 189, 583-591	3.8	11
27	E-cigarette Product Characteristics and Subsequent Frequency of Cigarette Smoking. <i>Pediatrics</i> , 2020 , 145,	7.4	11
26	Evaluating the predictive value of measures of susceptibility to tobacco and alternative tobacco products. <i>Addictive Behaviors</i> , 2019 , 96, 50-55	4.2	9
25	Health Effects of Environmental Exposures, Occupational Hazards and Climate Change in Ethiopia: Synthesis of Situational Analysis, Needs Assessment and the Way Forward. <i>Ethiopian Journal of Health Development</i> , 2016 , 30, 50-56		9
24	Bayesian mixed hidden Markov models: a multi-level approach to modeling categorical outcomes with differential misclassification. <i>Statistics in Medicine</i> , 2014 , 33, 1395-408	2.3	8
23	The Potential Effects of Policy-driven Air Pollution Interventions on Childhood Lung Development. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 438-444	10.2	7

22	RISK EFFECTS OF NEAR-ROADWAY POLLUTANTS AND ASTHMA STATUS ON BRONCHITIC SYMPTOMS IN CHILDREN. <i>Environmental Epidemiology</i> , 2018 , 2,	0.2	6
21	Electronic Cigarette and Cigarette Social Environments and Ever Use of Each Product: A Prospective Study of Young Adults in Southern California. <i>Nicotine and Tobacco Research</i> , 2019 , 21, 1347-1354	4.9	6
20	Quantile Mediation Models: A Comparison of Methods for Assessing Mediation Across the Outcome Distribution. <i>Multivariate Behavioral Research</i> , 2014 , 49, 471-85	2.3	6
19	Inflammatory cytokine response to ambient particles varies due to field collection procedures. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 497-502	5.7	5
18	Household endotoxin levels and the risk of non-Hodgkin lymphoma. <i>Cancer Causes and Control</i> , 2013 , 24, 357-64	2.8	4
17	Chemical Characterization and Seasonality of Ambient Particles (PM) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
16	Risk factors associated with subsequent initiation of cigarettes and e-cigarettes in adolescence: A structural equation modeling approach. <i>Drug and Alcohol Dependence</i> , 2020 , 207, 107676	4.9	4
15	Adaptive Set-Based Methods for Association Testing. <i>Genetic Epidemiology</i> , 2016 , 40, 113-22	2.6	3
14	Determinants of Children's Exhaled Nitric Oxide: New Insights from Quantile Regression. <i>PLoS ONE</i> , 2015 , 10, e0130505	3.7	2
13	Integrating environmental health and genomics research in Africa: challenges and opportunities identified during a Human Heredity and Health in Africa (H3Africa) Consortium workshop. <i>AAS Open Research</i> , 2019 , 2, 159	1.8	2
12	Patterns and determinants of exhaled nitric oxide trajectories in schoolchildren over a 7-year period. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	1
11	Dynamic Latent Trait Models with Mixed Hidden Markov Structure for Mixed Longitudinal Outcomes. <i>Journal of Applied Statistics</i> , 2016 , 43, 704-720	1	1
10	Fine particulate pollution concentration in Addis Ababa exceeds the WHO guideline value: Results of 3 years of continuous monitoring and health impact assessment. <i>Environmental Epidemiology</i> , 2021 , 5, e155	0.2	1
9	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. <i>Atmospheric Pollution Research</i> , 2021 , 12, 101149	4.5	1
8	Association of Outdoor Ambient Fine Particulate Matter With Intracellular White Matter Microstructural Properties Among Children. <i>JAMA Network Open</i> , 2021 , 4, e2138300	10.4	1
7	Plasma concentrations of lipophilic persistent organic pollutants and glucose homeostasis in youth populations.. <i>Environmental Research</i> , 2022 , 212, 113296	7.9	1
6	The GEOHealth Hub for Eastern Africa: Contributions and Lessons Learned. <i>GeoHealth</i> , 2021 , 5, e2021GH000406	5	1
5	Response to letter regarding article, Childhood air pollutant exposure and carotid artery intima-media thickness in young adults. <i>Circulation</i> , 2013 , 127, e659	16.7	

- 4 Ozone and semen quality. *Environmental Health Perspectives*, **2007**, 115, A185; author reply A185-6 8.4
- 3 E-Cigarettes and Future Cigarette Use **2017**, 77-85
- 2 E-Cigarettes, Cigarettes, and the Prevalence of Adolescent Tobacco Use **2017**, 101-110
- 1 Psychosocial Factors Associated With Adolescent Electronic Cigarette and Cigarette Use **2017**, 141-153