

Kiros Berhane

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

10,944
citations

53660

45
h-index

30848

102
g-index

114
all docs

114
docs citations

114
times ranked

11122
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Air Pollution on Lung Development from 10 to 18 Years of Age. New England Journal of Medicine, 2004, 351, 1057-1067.	13.9	1,131
2	Asthma in exercising children exposed to ozone: a cohort study. Lancet, The, 2002, 359, 386-391.	6.3	665
3	Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study. Lancet, The, 2007, 369, 571-577.	6.3	617
4	Association of Improved Air Quality with Lung Development in Children. New England Journal of Medicine, 2015, 372, 905-913.	13.9	522
5	Traffic, Susceptibility, and Childhood Asthma. Environmental Health Perspectives, 2006, 114, 766-772.	2.8	519
6	Childhood Incident Asthma and Traffic-Related Air Pollution at Home and School. Environmental Health Perspectives, 2010, 118, 1021-1026.	2.8	467
7	Obesity and the Risk of Newly Diagnosed Asthma in School-age Children. American Journal of Epidemiology, 2003, 158, 406-415.	1.6	343
8	E-Cigarettes and Future Cigarette Use. Pediatrics, 2016, 138, .	1.0	341
9	Association between Air Pollution and Lung Function Growth in Southern California Children. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 76-84.	2.5	316
10	Maternal smoking during pregnancy, environmental tobacco smoke exposure and childhood lung function. Thorax, 2000, 55, 271-276.	2.7	294
11	Effects of GlutathioneS-Transferase M1, Maternal Smoking during Pregnancy, and Environmental Tobacco Smoke on Asthma and Wheezing in Children. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 457-463.	2.5	284
12	Electronic Cigarette Use and Respiratory Symptoms in Adolescents. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1043-1049.	2.5	272
13	Traffic-Related Air Pollution and Asthma Onset in Children: A Prospective Cohort Study with Individual Exposure Measurement. Environmental Health Perspectives, 2008, 116, 1433-1438.	2.8	267
14	Childhood obesity and proximity to urban parks and recreational resources: A longitudinal cohort study. Health and Place, 2011, 17, 207-214.	1.5	266
15	Psychosocial Factors Associated With Adolescent Electronic Cigarette and Cigarette Use. Pediatrics, 2015, 136, 308-317.	1.0	224
16	Health Effects of the 2003 Southern California Wildfires on Children. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 1221-1228.	2.5	195
17	Effects of <i>In Utero</i> and Environmental Tobacco Smoke Exposure on Lung Function in Boys and Girls with and without Asthma. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 2097-2104.	2.5	177
18	Effects of Early Onset Asthma and <i>In Utero</i> Exposure to Maternal Smoking on Childhood Lung Function. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 917-924.	2.5	177

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19	Prospective Study of Air Pollution and Bronchitic Symptoms in Children with Asthma. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 790-797.	2.5	174
20	Regular Smoking and Asthma Incidence in Adolescents. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 1094-1100.	2.5	173
21	Parental stress increases the effect of traffic-related air pollution on childhood asthma incidence. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12406-12411.	3.3	171
22	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. Environmental Health Perspectives, 2015, 123, 360-366.	2.8	149
23	Longitudinal Associations Between Ambient Air Pollution With Insulin Sensitivity, β -Cell Function, and Adiposity in Los Angeles Latino Children. Diabetes, 2017, 66, 1789-1796.	0.3	115
24	Traffic-related Exposures, Airway Function, Inflammation, and Respiratory Symptoms in Children. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1236-1242.	2.5	114
25	Effects of Childhood Asthma on the Development of Obesity among School-aged Children. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1181-1188.	2.5	112
26	Relationship between air pollution, lung function and asthma in adolescents. Thorax, 2007, 62, 957-963.	2.7	109
27	Perfluoroalkyl substances, metabolomic profiling, and alterations in glucose homeostasis among overweight and obese Hispanic children: A proof-of-concept analysis. Environment International, 2019, 126, 445-453.	4.8	105
28	The E-cigarette Social Environment, E-cigarette Use, and Susceptibility to Cigarette Smoking. Journal of Adolescent Health, 2016, 59, 75-80.	1.2	104
29	Prenatal Exposure to Urban Air Nanoparticles in Mice Causes Altered Neuronal Differentiation and Depression-Like Responses. PLoS ONE, 2013, 8, e64128.	1.1	103
30	Patterns of Alternative Tobacco Product Use: Emergence of Hookah and E-cigarettes as Preferred Products Amongst Youth. Journal of Adolescent Health, 2016, 58, 181-185.	1.2	98
31	Impact of Highly Active Antiretroviral Therapy on Anemia and Relationship Between Anemia and Survival in a Large Cohort of HIV-Infected Women. Journal of Acquired Immune Deficiency Syndromes (1999), 2004, 37, 1245-1252.	0.9	96
32	Associations of air pollution, obesity and cardiometabolic health in young adults: The Meta-AIR study. Environment International, 2019, 133, 105180.	4.8	96
33	Association of Changes in Air Quality With Bronchitic Symptoms in Children in California, 1993-2012. JAMA - Journal of the American Medical Association, 2016, 315, 1491.	3.8	85
34	A meta-analysis of 61 sperm count studies revisited. Fertility and Sterility, 1997, 67, 1103-1108.	0.5	71
35	Factors influencing whether children walk to school. Health and Place, 2013, 22, 153-161.	1.5	70
36	Self-esteem and adiposity in black and white girls: The NHLBI growth and health study. Annals of Epidemiology, 1997, 7, 550-560.	0.9	67

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37	Does early onset asthma increase childhood obesity risk? A pooled analysis of 16 European cohorts. <i>European Respiratory Journal</i> , 2018, 52, 1800504.	3.1	67
38	Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. <i>Environment International</i> , 2020, 143, 105933.	4.8	65
39	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.	1.7	61
40	Sex-specific Effects of Asthma on Pulmonary Function in Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 1723-1730.	2.5	55
41	Residential Traffic-Related Pollution Exposures and Exhaled Nitric Oxide in the Children's Health Study. <i>Environmental Health Perspectives</i> , 2011, 119, 1472-1477.	2.8	55
42	Tobacco Marketing and Subsequent Use of Cigarettes, E-Cigarettes, and Hookah in Adolescents. <i>Nicotine and Tobacco Research</i> , 2019, 21, 926-932.	1.4	55
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.	0.9	49
44	Tobacco Retail Licensing and Youth Product Use. <i>Pediatrics</i> , 2019, 143, .	1.0	48
45	Childhood Air Pollutant Exposure and Carotid Artery Intima-Media Thickness in Young Adults. <i>Circulation</i> , 2012, 126, 1614-1620.	1.6	47
46	Assessing Uncertainty in Spatial Exposure Models for Air Pollution Health Effects Assessment. <i>Environmental Health Perspectives</i> , 2007, 115, 1147-1153.	2.8	46
47	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.	1.6	45
48	Traffic-related air pollution and alveolar nitric oxide in southern California children. <i>European Respiratory Journal</i> , 2016, 47, 1348-1356.	3.1	45
49	Longitudinal effects of air pollution on exhaled nitric oxide: the Children's Health Study. <i>Occupational and Environmental Medicine</i> , 2014, 71, 507-513.	1.3	44
50	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, 346-351.	2.5	42
51	Dog Ownership Enhances Symptomatic Responses to Air Pollution in Children with Asthma. <i>Environmental Health Perspectives</i> , 2006, 114, 1910-1915.	2.8	39
52	Generalized additive models for longitudinal data. <i>Canadian Journal of Statistics</i> , 1998, 26, 517-535.	0.6	36
53	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, 1494-1501.	1.6	36
54	Longitudinal Analysis of Particulate Air Pollutants and Adolescent Delinquent Behavior in Southern California. <i>Journal of Abnormal Child Psychology</i> , 2018, 46, 1283-1293.	3.5	36

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55	Prenatal Air Pollution Exposure and Early Cardiovascular Phenotypes in Young Adults. PLoS ONE, 2016, 11, e0150825.	1.1	36
56	Social environment and asthma: associations with crime and No Child Left Behind programmes. Journal of Epidemiology and Community Health, 2011, 65, 859-865.	2.0	35
57	Near-roadway air pollution exposure and altered fatty acid oxidation among adolescents and young adults – The interplay with obesity. Environment International, 2019, 130, 104935.	4.8	35
58	Variation in the χ GST mu Locus and Tobacco Smoke Exposure as Determinants of Childhood Lung Function. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 601-607.	2.5	33
59	Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. Journal of Allergy and Clinical Immunology, 2014, 134, 46-55.	1.5	33
60	Cockroach counts and house dust allergen concentrations after professional cockroach control and cleaning. Annals of Allergy, Asthma and Immunology, 2003, 91, 546-552.	0.5	32
61	The Dynamic Relationship Between Asthma and Obesity in Schoolchildren. American Journal of Epidemiology, 2020, 189, 583-591.	1.6	32
62	Perceived stress and poly-tobacco product use across adolescence: Patterns of association and gender differences. Journal of Psychiatric Research, 2017, 94, 172-179.	1.5	31
63	Spatial pattern and determinants of anaemia in Ethiopia. PLoS ONE, 2018, 13, e0197171.	1.1	31
64	Carotid artery intima-media thickness in college students: Race/ethnicity matters. Atherosclerosis, 2011, 217, 441-446.	0.4	30
65	TNF-308 Modifies the Effect of Second-Hand Smoke on Respiratory Illness-related School Absences. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1563-1568.	2.5	29
66	Predicting residential ozone deficits from nearby traffic. Science of the Total Environment, 2006, 363, 166-174.	3.9	29
67	Bayesian Modeling of Air Pollution Health Effects with Missing Exposure Data. American Journal of Epidemiology, 2006, 164, 69-76.	1.6	29
68	Inflammatory Response of Monocytes to Ambient Particles Varies by Highway Proximity. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 802-809.	1.4	29
69	Using tensor product splines in modeling exposure-time-response relationships: Application to the Colorado Plateau Uranium Miners cohort. Statistics in Medicine, 2008, 27, 5484-5496.	0.8	27
70	Long-Term Ambient Temperature and Externalizing Behaviors in Adolescents. American Journal of Epidemiology, 2018, 187, 1931-1941.	1.6	27
71	Arsenic and birth outcomes in a predominately lower income Hispanic pregnancy cohort in Los Angeles. Environmental Research, 2020, 184, 109294.	3.7	26
72	Estimation of Parameters in the Two-Compartment Model for Exhaled Nitric Oxide. PLoS ONE, 2014, 9, e85471.	1.1	26

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73	Indoor Air Pollution and Cardiovascular Disease. <i>Circulation</i> , 2016, 133, 2342-2344.	1.6	23
74	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.	3.3	22
75	Review of Climate Change and Health in Ethiopia: Status and Gap Analysis. <i>Ethiopian Journal of Health Development</i> , 2016, 30, 28-41.	0.2	22
76	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.	0.2	22
77	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, 1103-1115.	0.8	20
78	E-cigarette Product Characteristics and Subsequent Frequency of Cigarette Smoking. <i>Pediatrics</i> , 2020, 145, .	1.0	20
79	Genetic and epigenetic susceptibility of airway inflammation to PM2.5 in school children: new insights from quantile regression. <i>Environmental Health</i> , 2017, 16, 88.	1.7	19
80	Association of Outdoor Ambient Fine Particulate Matter With Intracellular White Matter Microstructural Properties Among Children. <i>JAMA Network Open</i> , 2021, 4, e2138300.	2.8	18
81	In Utero Smoke Exposure, <i>Glutathione S-Transferase P1</i> Haplotypes, and Respiratory Illnessâ€‘Related Absence Among Schoolchildren. <i>Pediatrics</i> , 2009, 123, 1344-1351.	1.0	17
82	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.	2.5	17
83	Evaluating the predictive value of measures of susceptibility to tobacco and alternative tobacco products. <i>Addictive Behaviors</i> , 2019, 96, 50-55.	1.7	16
84	Chemical Characterization and Seasonality of Ambient Particles (PM2.5) in the City Centre of Addis Ababa. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6998.	1.2	16
85	Increased Physical Activity and Reduced Adiposity in Overweight Hispanic Adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 478-484.	0.2	15
86	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.	0.2	15
87	Inference in Splineâ€‘Based Models for Multiple Timeâ€‘toâ€‘Event Data, with Applications to a Breast Cancer Prevention Trial. <i>Biometrics</i> , 2003, 59, 859-868.	0.8	14
88	A two-stage model for multiple time series data of counts. <i>Biostatistics</i> , 2002, 3, 21-32.	0.9	13
89	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.	2.5	13
90	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.	0.2	13

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91	A Bayesian approach to functional-based multilevel modeling of longitudinal data: applications to environmental epidemiology. <i>Biostatistics</i> , 2008, 9, 686-699.	0.9	12
92	Bayesian mixed hidden Markov models: a multi-level approach to modeling categorical outcomes with differential misclassification. <i>Statistics in Medicine</i> , 2014, 33, 1395-1408.	0.8	12
93	Quantile Mediation Models: A Comparison of Methods for Assessing Mediation Across the Outcome Distribution. <i>Multivariate Behavioral Research</i> , 2014, 49, 471-485.	1.8	12
94	Risk effects of near-roadway pollutants and asthma status on bronchitic symptoms in children. <i>Environmental Epidemiology</i> , 2018, 2, e012.	1.4	9
95	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.	1.6	9
96	Plasma concentrations of lipophilic persistent organic pollutants and glucose homeostasis in youth populations. <i>Environmental Research</i> , 2022, 212, 113296.	3.7	9
97	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.	1.4	8
98	Patterns and determinants of exhaled nitric oxide trajectories in schoolchildren over a 7-year period. <i>European Respiratory Journal</i> , 2020, 56, 2000011.	3.1	8
99	Fine particulate pollution concentration in Addis Ababa exceeds the WHO guideline value. <i>Environmental Epidemiology</i> , 2021, 5, e155.	1.4	8
100	Source Apportionment of Fine Organic Particulate Matter (PM _{2.5}) in Central Addis Ababa, Ethiopia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11608.	1.2	8
101	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.	1.4	5
102	Household endotoxin levels and the risk of non-Hodgkin lymphoma. <i>Cancer Causes and Control</i> , 2013, 24, 357-364.	0.8	4
103	Determinants of Children's Exhaled Nitric Oxide: New Insights from Quantile Regression. <i>PLoS ONE</i> , 2015, 10, e0130505.	1.1	3
104	Adaptive Set-Based Methods for Association Testing. <i>Genetic Epidemiology</i> , 2016, 40, 113-122.	0.6	3
105	Reactive oxygen species (ROS) activity of fine particulate matter health impacts in Addis Ababa, Ethiopia. <i>Atmospheric Pollution Research</i> , 2021, 12, 101149.	1.8	3
106	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.	1.5	3
107	Dynamic latent trait models with mixed hidden Markov structure for mixed longitudinal outcomes. <i>Journal of Applied Statistics</i> , 2016, 43, 704-720.	0.6	1
108	The GEOHealth Hub for Eastern Africa: Contributions and Lessons Learned. <i>GeoHealth</i> , 2021, 5, e2021GH000406.	1.9	1

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109	Estimation of the Effect of Hypothetical Air Pollution Scenarios on Lung Function in the Southern California Children's Health Study: An Application of G-Computation. ISEE Conference Abstracts, 2018, 2018, .	0.0	1
110	Ozone and Semen Quality: Berhane and Sokol Respond. Environmental Health Perspectives, 2007, 115, A185; author reply A185-6.	2.8	0
111	Response to Letter Regarding Article, "Childhood Air Pollutant Exposure and Carotid Artery Intima-Media Thickness in Young Adults" Circulation, 2013, 127, e659.	1.6	0
112	Psychosocial Factors Associated With Adolescent Electronic Cigarette and Cigarette Use. , 2017, , 141-153.		0
113	E-Cigarettes and Future Cigarette Use. , 2017, , 77-85.		0
114	E-Cigarettes, Cigarettes, and the Prevalence of Adolescent Tobacco Use. , 2017, , 101-110.		0