Sabit Cakmak

List of Publications by Year
in descending order

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94 papers	5,386 citations	71102 41 h-index	88630 70 g-index
94 all docs	94 docs citations	94 times ranked	6254 citing authors

#	Article	IF	Citations
1	Effects of Particulate and Gaseous Air Pollution on Cardiorespiratory Hospitalizations. Archives of Environmental Health, 1999, 54, 130-139.	0.4	292
2	The role of particulate size and chemistry in the association between summertime ambient air pollution and hospitalization for cardiorespiratory diseases.. Environmental Health Perspectives, 1997, 105, 614-620.	6.0	231
3	ASSOCIATION BETWEEN PARTICULATE- AND GAS-PHASE COMPONENTS OF URBAN AIR POLLUTION AND DAILY MORTALITY IN EIGHT CANADIAN CITIES. Inhalation Toxicology, 2000, 12, 15-39.	1.6	216
4	Influence of outdoor aeroallergens on hospitalization for asthma in Canada. Journal of Allergy and Clinical Immunology, 2004, 113, 303-306.	2.9	166
5	Metal composition of fine particulate air pollution and acute changes in cardiorespiratory physiology. Environmental Pollution, 2014, 189, 208-214.	7.5	159
6	Associations between Short-Term Changes in Nitrogen Dioxide and Mortality in Canadian Cities. Archives of Environmental Health, 2004, 59, 228-236.	0.4	157
7	The Role of Fungal Spores in Thunderstorm Asthmaa. Chest, 2003, 123, 745-750.	0.8	151
8	Influence of Ambient Fungal Spores on Emergency Visits for Asthma to a Regional Children's Hospital. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 2087-2090.	5.6	150
9	Long-Term Fine Particulate Matter Exposure and Mortality From Diabetes in Canada. Diabetes Care, 2013, 36, 3313-3320.	8.6	145
10	Association between Ozone and Hospitalization for Acute Respiratory Diseases in Children Less than 2 Years of Age. American Journal of Epidemiology, 2001, 153, 444-452.	3.4	140
11	The Association between Ambient Carbon Monoxide Levels and Daily Mortality in Toronto, Canada. Journal of the Air and Waste Management Association, 1998, 48, 689-700.	1.9	118
12	The Effect of the Urban Ambient Air Pollution Mix on Daily Mortality Rates in 11 Canadian Cities. Canadian Journal of Public Health, 1998, 89, 152-156.	2.3	117
13	Residential exposure to volatile organic compounds and lung function: Results from a population-based cross-sectional survey. Environmental Pollution, 2014, 194, 145-151.	7.5	113
14	Risk assessment for cardiovascular and respiratory mortality due to air pollution and synoptic meteorology in 10 Canadian cities. Environmental Pollution, 2014, 185, 322-332.	7.5	110
15	Further interpretation of the acute effect of nitrogen dioxide observed in Canadian time-series studies. Journal of Exposure Science and Environmental Epidemiology, 2007, 17, S36-S44.	3.9	109
16	Does air pollution increase the effect of aeroallergens on hospitalization for asthma?. Journal of Allergy and Clinical Immunology, 2012, 129, 228-231.	2.9	109
17	ASSOCIATION BETWEEN PARTICULATE- AND GAS-PHASE COMPONENTS OF URBAN AIR POLLUTION AND DAILY MORTALITY IN EIGHT CANADIAN CITIES. Inhalation Toxicology, 2000, 12, 15-39.	1.6	107
18	The influence of air pollution on cardiovascular and pulmonary function and exercise capacity: Canadian Health Measures Survey (CHMS). Environmental Research, 2011, 111, 1309-1312.	7.5	105

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19	Associations between long-term PM2.5 and ozone exposure and mortality in the Canadian Census Health and Environment Cohort (CANCHEC), by spatial synoptic classification zone. Environment International, 2018, 111, 200-211.	10.0	102
20	Tree Pollen and Hospitalization for Asthma in Urban Canada. International Archives of Allergy and Immunology, 2008, 146, 241-247.	2.1	91
21	Air Pollution and Mortality in Chile: Susceptibility among the Elderly. Environmental Health Perspectives, 2007, 115, 524-527.	6.0	90
22	Effect of airborne allergens on emergency visits by children for conjunctivitis and rhinitis. Lancet, The, 2002, 359, 947-948.	13.7	84
23	Climate change and future temperature-related mortality in 15 Canadian cities. International Journal of Biometeorology, 2012, 56, 605-619.	3.0	84
24	Maternal exposure to ambient air pollution and risk of early childhood cancers: A population-based study in Ontario, Canada. Environment International, 2017, 100, 139-147.	10.0	84
25	Nationally Representative Levels of Selected Volatile Organic Compounds in Canadian Residential Indoor Air: Population-Based Survey. Environmental Science & Technology, 2013, 47, 13276-13283.	10.0	83
26	Air pollution and hospitalization for venous thromboembolic disease in Chile. Journal of Thrombosis and Haemostasis, 2010, 8, 669-674.	3.8	80
27	Air Pollution and Hospitalization for Headache in Chile. American Journal of Epidemiology, 2009, 170, 1057-1066.	3.4	77
28	Ozone exposure and cardiovascular-related mortality in the Canadian Census Health and Environment Cohort (CANCHEC) by spatial synoptic classification zone. Environmental Pollution, 2016, 214, 589-599.	7.5	75
29	Comparison of time series and case-crossover analyses of air pollution and hospital admission data. International Journal of Epidemiology, 2003, 32, 1064-1070.	1.9	74
30	The modifying effect of socioeconomic status on the relationship between traffic, air pollution and respiratory health in elementary schoolchildren. Journal of Environmental Management, 2016, 177, 1-8.	7.8	66
31	The associations between phthalate exposure and insulin resistance, Î²-cell function and blood glucose control in a population-based sample. Science of the Total Environment, 2018, 612, 1287-1292.	8.0	62
32	Extreme ambient temperatures and cardiorespiratory emergency room visits: assessing risk by comorbid health conditions in a time series study. Environmental Health, 2014, 13, 5.	4.0	60
33	Association of weather and air pollution interactions on daily mortality in 12 Canadian cities. Air Quality, Atmosphere and Health, 2015, 8, 307-320.	3.3	58
34	A cohort study of intra-urban variations in volatile organic compounds and mortality, Toronto, Canada. Environmental Pollution, 2013, 183, 30-39.	7.5	56
35	Within- and between-city contrasts in nitrogen dioxide and mortality in 10 Canadian cities; a subset of the Canadian Census Health and Environment Cohort (CanCHEC). Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 482-489.	3.9	56
36	Air Pollution and Emergency Department Visits for Asthma in Windsor, Canada. Canadian Journal of Public Health, 2012, 103, 4-8.	2.3	55

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37	Indirect adjustment for multiple missing variables applicable to environmental epidemiology. Environmental Research, 2014, 134, 482-487.	7.5	54
38	The risk of dying on days of higher air pollution among the socially disadvantaged elderly. Environmental Research, 2011, 111, 388-393.	7.5	53
39	Air pollution and hospitalization for epilepsy in Chile. Environment International, 2010, 36, 501-505.	10.0	51
40	Hospitalizations from Hypertensive Diseases, Diabetes, and Arrhythmia in Relation to Low and High Temperatures: Population-Based Study. Scientific Reports, 2016, 6, 30283.	3.3	44
41	Do Gender, Education, and Income Modify the Effect of Air Pollution Gases on Cardiac Disease?. Journal of Occupational and Environmental Medicine, 2006, 48, 89-94.	1.7	43
42	Respiratory illness in children attending daycare. Pediatric Pulmonology, 2004, 38, 64-69.	2.0	42
43	Components of Particulate Air Pollution and Mortality in Chile. International Journal of Occupational and Environmental Health, 2009, 15, 152-158.	1.2	42
44	Estimation of indoor and outdoor ratios of selected volatile organic compounds in Canada. Atmospheric Environment, 2016, 141, 523-531.	4.1	40
45	Estimation of dry deposition velocity using inferential models and site-specific meteorologyâ€"uncertainty due to siting of meteorological towers. Atmospheric Environment, 1997, 31, 3911-3919.	4.1	37
46	Synoptic weather typing applied to air pollution mortality among the elderly in 10 Canadian cities. Environmental Research, 2013, 126, 66-75.	7.5	37
47	Assessment of the effect of cold and hot temperatures on mortality in Ontario, Canada: a population-based study. CMAJ Open, 2016, 4, E48-E58.	2.4	35
48	Air pollution and hospitalization for acute complications of diabetes in Chile. Environment International, 2012, 46, 1-5.	10.0	33
49	Long-term ozone exposure and mortality from neurological diseases in Canada. Environment International, 2021, 157, 106817.	10.0	33
50	The influence of neighborhood traffic density on the respiratory health of elementary schoolchildren. Environment International, 2012, 39, 128-132.	10.0	32
51	The association between ambient air quality and cardiac rate and rhythm in ambulatory subjects. Environment International, 2014, 73, 365-371.	10.0	31
52	The Association Between Urinary Phthalates and Lung Function. Journal of Occupational and Environmental Medicine, 2014, 56, 376-381.	1.7	30
53	Exposure to air pollution near a steel plant and effects on cardiovascular physiology: A randomized crossover study. International Journal of Hygiene and Environmental Health, 2014, 217, 279-286.	4.3	30
54	Components of Particulate Air Pollution and Emergency Department Visits in Chile. Archives of Environmental and Occupational Health, 2009, 64, 148-155.	1.4	29

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55	Associations between blood volatile organic compounds, and changes in hematologic and biochemical profiles, in a population-based study. Environment International, 2020, 145, 106121.	10.0	29
56	Profiles and monthly variations of selected volatile organic compounds in indoor air in Canadian homes: Results of Canadian national indoor air survey 2012â€“2013. Environment International, 2019, 126, 134-144.	10.0	28
57	The Association Between Air Pollution and Hospitalization of Patients With Idiopathic Pulmonary Fibrosis in Chile. Chest, 2020, 158, 630-636.	0.8	28
58	The association between air pollution and COVID-19 related mortality in Santiago, Chile: A daily time series analysis. Environmental Research, 2021, 198, 111284.	7.5	28
59	The association between blood PFAS concentrations and clinical biochemical measures of organ function and metabolism in participants of the Canadian Health Measures Survey (CHMS). Science of the Total Environment, 2022, 827, 153900.	8.0	28
60	Exposure to air pollution near a steel plant is associated with reduced heart rate variability: a randomised crossover study. Environmental Health, 2017, 16, 4.	4.0	27
61	Maternal blood biomarkers and adverse pregnancy outcomes: a systematic review and meta-analysis. Critical Reviews in Toxicology, 2019, 49, 461-478.	3.9	27
62	Exposure to traffic and mortality risk in the 1991â€“2011 Canadian Census Health and Environment Cohort (CanCHEC). Environment International, 2019, 124, 16-24.	10.0	27
63	Synoptic weather types and aeroallergens modify the effect of air pollution on hospitalisations for asthma hospitalisations in Canadian cities. Environmental Pollution, 2015, 204, 9-16.	7.5	25
64	Cardiovascular and inflammatory mechanisms in healthy humans exposed to air pollution in the vicinity of a steel mill. Particle and Fibre Toxicology, 2018, 15, 34.	6.2	23
65	Respiratory Health Effects of Air Pollution Gases: Modification by Education and Income. Archives of Environmental and Occupational Health, 2006, 61, 5-10.	1.4	22
66	Acute changes in lung function associated with proximity to a steel plant: A randomized study. Environment International, 2013, 55, 15-19.	10.0	22
67	Changing air mass frequencies in Canada: potential links and implications for human health. International Journal of Biometeorology, 2014, 58, 121-135.	3.0	22
68	Gaseous Air Pollutants and Hospitalization for Respiratory Disease in the Neonatal Period. Environmental Health Perspectives, 2006, 114, 1751-1754.	6.0	21
69	Comparison of remote sensing and fixed-site monitoring approaches for examining air pollution and health in a national study population. Atmospheric Environment, 2013, 80, 161-171.	4.1	21
70	A PCR-based quantitative assay for the evaluation of mRNA integrity in rat samples. Biomolecular Detection and Quantification, 2018, 15, 18-23.	7.0	21
71	Does Mental Health Status Influence Susceptibility to the Physiologic Effects of Air Pollution? A Population Based Study of Canadian Children. PLoS ONE, 2016, 11, e0168931.	2.5	20
72	Spatial Regression Models for Large-Cohort Studies Linking Community Air Pollution and Health. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 1811-1824.	2.3	19

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73	Does Socio-demographic Status Influence the Effect of Pollens and Molds on Hospitalization for Asthma? Results from a Time-series Study in 10 Canadian Cities. Annals of Epidemiology, 2005, 15, 214-218.	1.9	19
74	Methods for detecting and estimating population threshold concentrations for air pollution-related mortality with exposure measurement error. Risk Analysis, 1999, 19, 487-496.	2.7	18
75	The influence of demographic and lifestyle factors on urinary levels of PAH metabolitesâ€"empirical analyses of Cycle 2 (2009â€"2011) CHMS data. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 386-397.	3.9	18
76	Measuring Progress in the Management of Ambient Air Quality: The Case for Population Health. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 1289-1300.	2.3	17
77	Development of an integrated approach for comparison of in vitro and in vivo responses to particulate matter. Particle and Fibre Toxicology, 2015, 13, 41.	6.2	17
78	Ambient Temperature and the Risk of Renal Colic: A Population-Based Study of the Impact of Demographics and Comorbidity. Journal of Endourology, 2016, 30, 1138-1143.	2.1	17
79	Loss of hepatitis A virus antibodies after bone marrow transplantation. Bone Marrow Transplantation, 2006, 38, 37-40.	2.4	15
80	Respiratory burst in alveolar macrophages exposed to urban particles is not a predictor of cytotoxicity. Toxicology in Vitro, 2013, 27, 1287-1297.	2.4	13
81	Comparison of tris(2â€ethylhexyl) phosphate and di(2â€ethylhexyl) phosphoric acid toxicities in a rat 28â€day oral exposure study. Journal of Applied Toxicology, 2020, 40, 600-618.	2.8	12
82	Infant birth weight and third trimester maternal plasma markers of vascular integrity: the MIREC study. Biomarkers, 2016, 21, 257-266.	1.9	11
83	Is residential ambient air limonene associated with asthma? Findings from the Canadian Health Measures Survey. Environmental Pollution, 2019, 244, 966-970.	7.5	11
84	The association between personal care products and lung function. Annals of Epidemiology, 2013, 23, 49-53.	1.9	10
85	Associations between urinary biomarkers of oxidative stress and air pollutants observed in a randomized crossover exposure to steel mill emissions. International Journal of Hygiene and Environmental Health, 2017, 220, 387-394.	4.3	10
86	Assessment of Urinary Metabolite Excretion After Rat Acute Exposure to Perfluorooctanoic Acid and Other Peroxisomal Proliferators. Archives of Environmental Contamination and Toxicology, 2015, 68, 148-158.	4.1	7
87	The association between air pollution and hospitalization for patients with systemic lupus erythematosus in Chile: A daily time series analysis. Environmental Research, 2021, 192, 110469.	7.5	7
88	Maternal Exposure to Aeroallergens and the Risk of Early Delivery. Epidemiology, 2017, 28, 107-115.	2.7	7
89	Effect of industrial point-source air pollutants on fractional exhaled nitric oxide in healthy volunteers. Environmental Research, 2020, 181, 108965.	7.5	3
90	Factors influencing volatile organic compounds in Canadian homes. Indoor and Built Environment, 2020, , 1420326X2092622.	2.8	3

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91	Do acute changes in ambient air pollution increase the risk of potentially fatal cardiac arrhythmias in patients with implantable cardioverter defibrillators?. Environmental Health, 2020, 19, 72.	4.0	3
92	An international round-robin study for the analysis of particulate semi-volatile organics by thermal desorption gas chromatography mass spectrometry. International Journal of Environmental Analytical Chemistry, 2015, 95, 754-775.	3.3	2
93	Association of weather and air pollution interactions on daily mortality in 12 Canadian cities. , 2013, , .		0
94	Pollution levels and the effect of air pollution on asthma hospitalisations modified by synoptic weather type and aeroallergens. , 2014, , .		0