

Cathryn Tonne

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

5,681
citations

117625
34
h-index

79698
73
g-index

83
all docs

83
docs citations

83
times ranked

7281
citing authors

#	ARTICLE	IF	CITATIONS
1	Public health benefits of strategies to reduce greenhouse-gas emissions: urban land transport. <i>Lancet, The</i> , 2009, 374, 1930-1943.	13.7	856
2	Public health benefits of strategies to reduce greenhouse-gas emissions: household energy. <i>Lancet, The</i> , 2009, 374, 1917-1929.	13.7	597
3	Public health benefits of strategies to reduce greenhouse-gas emissions: overview and implications for policy makers. <i>Lancet, The</i> , 2009, 374, 2104-2114.	13.7	451
4	Changing the urban design of cities for health: The superblock model. <i>Environment International</i> , 2020, 134, 105132.	10.0	186
5	Road traffic noise is associated with increased cardiovascular morbidity and mortality and all-cause mortality in London. <i>European Heart Journal</i> , 2015, 36, 2653-2661.	2.2	185
6	A Case-Control Analysis of Exposure to Traffic and Acute Myocardial Infarction. <i>Environmental Health Perspectives</i> , 2007, 115, 53-57.	6.0	182
7	Urban and Transport Planning Related Exposures and Mortality: A Health Impact Assessment for Cities. <i>Environmental Health Perspectives</i> , 2017, 125, 89-96.	6.0	173
8	Public health benefits of strategies to reduce greenhouse-gas emissions: low-carbon electricity generation. <i>Lancet, The</i> , 2009, 374, 2006-2015.	13.7	166
9	The COVID-19 pandemic and global environmental change: Emerging research needs. <i>Environment International</i> , 2021, 146, 106272.	10.0	157
10	Air pollution and mortality benefits of the London Congestion Charge: spatial and socioeconomic inequalities. <i>Occupational and Environmental Medicine</i> , 2008, 65, 620-627.	2.8	152
11	Traffic-related Air Pollution in Relation to Cognitive Function in Older Adults. <i>Epidemiology</i> , 2014, 25, 674-681.	2.7	144
12	Energy, energy efficiency, and the built environment. <i>Lancet, The</i> , 2007, 370, 1175-1187.	13.7	133
13	Long-Term Survival After Acute Myocardial Infarction Is Lower in More Deprived Neighborhoods. <i>Circulation</i> , 2005, 111, 3063-3070.	1.6	111
14	The impact of the congestion charging scheme on ambient air pollution concentrations in London. <i>Atmospheric Environment</i> , 2009, 43, 5493-5500.	4.1	94
15	Health impacts related to urban and transport planning: A burden of disease assessment. <i>Environment International</i> , 2017, 107, 243-257.	10.0	90
16	Residential Surrounding Greenness and Cognitive Decline: A 10-Year Follow-up of the Whitehall II Cohort. <i>Environmental Health Perspectives</i> , 2018, 126, 077003.	6.0	90
17	Predictors of personal polycyclic aromatic hydrocarbon exposures among pregnant minority women in New York City.. <i>Environmental Health Perspectives</i> , 2004, 112, 754-759.	6.0	89
18	Long-term traffic air and noise pollution in relation to mortality and hospital readmission among myocardial infarction survivors. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 72-78.	4.3	82

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19	Green and blue spaces and physical functioning in older adults: Longitudinal analyses of the Whitehall II study. <i>Environment International</i> , 2019, 122, 346-356.	10.0	81
20	Defining pathways to healthy sustainable urban development. <i>Environment International</i> , 2021, 146, 106236.	10.0	81
21	Long-term exposure to air pollution is associated with survival following acute coronary syndrome. <i>European Heart Journal</i> , 2013, 34, 1306-1311.	2.2	79
22	Socioeconomic and ethnic inequalities in exposure to air and noise pollution in London. <i>Environment International</i> , 2018, 115, 170-179.	10.0	73
23	Association between ambient temperature and heat waves with mortality in South Asia: Systematic review and meta-analysis. <i>Environment International</i> , 2021, 146, 106170.	10.0	66
24	Characterising socio-economic inequalities in exposure to air pollution: A comparison of socio-economic markers and scales of measurement. <i>Health and Place</i> , 2011, 17, 767-774.	3.3	65
25	Long-term exposure to greenspace and metabolic syndrome: A Whitehall II study. <i>Environmental Pollution</i> , 2019, 255, 113231.	7.5	57
26	Development and Evaluation of a State-of-the-Science Reactive Plume Model. <i>Environmental Science & Technology</i> , 2000, 34, 870-880.	10.0	53
27	A comparison of fuel use between a low cost, improved wood stove and traditional three-stone stove in rural Kenya. <i>Biomass and Bioenergy</i> , 2013, 58, 258-266.	5.7	50
28	PM Mass Concentration and PM Oxidative Potential in Relation to Carotid Intima-media Thickness. <i>Epidemiology</i> , 2012, 23, 486-494.	2.7	48
29	When, Where, and What? Characterizing Personal PM _{2.5} Exposure in Periurban India by Integrating GPS, Wearable Camera, and Ambient and Personal Monitoring Data. <i>Environmental Science & Technology</i> , 2018, 52, 13481-13490.	10.0	47
30	Ambient Particulate Air Pollution and Blood Pressure in Peri-urban India. <i>Epidemiology</i> , 2019, 30, 492-500.	2.7	42
31	Green spaces, excess weight and obesity in Spain. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 45-55.	4.3	41
32	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. <i>Environmental Health Perspectives</i> , 2020, 128, 115001.	6.0	40
33	Aligning climate change and public health policies. <i>Lancet, The</i> , 2009, 374, 2035-2038.	13.7	39
34	Integrated assessment of exposure to PM _{2.5} in South India and its relation with cardiovascular risk: Design of the CHAI observational cohort study. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 1081-1088.	4.3	39
35	Modeling Exposures to the Oxidative Potential of PM ₁₀ . <i>Environmental Science & Technology</i> , 2012, 46, 7612-7620.	10.0	37
36	Lessons from the COVID-19 pandemic for accelerating sustainable development. <i>Environmental Research</i> , 2021, 193, 110482.	7.5	37

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37	Elemental Carbon Exposure at Residence and Survival After Acute Myocardial Infarction. <i>Epidemiology</i> , 2009, 20, 547-554.	2.7	34
38	Development of land-use regression models for fine particles and black carbon in peri-urban South India. <i>Science of the Total Environment</i> , 2018, 634, 77-86.	8.0	34
39	Performance of low-cost monitors to assess household air pollution. <i>Environmental Research</i> , 2018, 163, 53-63.	7.5	34
40	New frontiers for environmental epidemiology in a changing world. <i>Environment International</i> , 2017, 104, 155-162.	10.0	33
41	Are rocket mud stoves associated with lower indoor carbon monoxide and personal exposure in rural Kenya?. <i>Indoor Air</i> , 2013, 23, 14-24.	4.3	32
42	Association of Ambient and Household Air Pollution With Bone Mineral Content Among Adults in Peri-urban South India. <i>JAMA Network Open</i> , 2020, 3, e1918504.	5.9	31
43	Association Between Outdoor Light-at-night Exposure and Colorectal Cancer in Spain. <i>Epidemiology</i> , 2020, 31, 718-727.	2.7	31
44	Tracking progress on health and climate change in Europe. <i>Lancet Public Health</i> , The, 2021, 6, e858-e865.	10.0	30
45	Air pollution and surrounding greenness in relation to ischemic stroke: A population-based cohort study. <i>Environment International</i> , 2022, 161, 107147.	10.0	30
46	Predictors of Daily Mobility of Adults in Peri-Urban South India. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 783.	2.6	29
47	Associations of night-time road traffic noise with carotid intima-media thickness and blood pressure: The Whitehall II and SABRE study cohorts. <i>Environment International</i> , 2017, 98, 54-61.	10.0	28
48	Use of spatiotemporal characteristics of ambient PM2.5 in rural South India to infer local versus regional contributions. <i>Environmental Pollution</i> , 2018, 239, 803-811.	7.5	28
49	Impact of road traffic noise on annoyance and preventable mortality in European cities: A health impact assessment. <i>Environment International</i> , 2022, 162, 107160.	10.0	27
50	Personal exposure to particulate matter in peri-urban India: predictors and association with ambient concentration at residence. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 596-605.	3.9	23
51	Lack of association between particulate air pollution and blood glucose levels and diabetic status in peri-urban India. <i>Environment International</i> , 2019, 131, 105033.	10.0	22
52	Predictors of personal exposure to black carbon among women in southern semi-rural Mozambique. <i>Environment International</i> , 2019, 131, 104962.	10.0	22
53	Developing the building blocks to elucidate the impact of the urban exposome on cardiometabolic-pulmonary disease. <i>Environmental Epidemiology</i> , 2021, 5, e162.	3.0	22
54	Traffic particles and occurrence of acute myocardial infarction: a case-control analysis. <i>Occupational and Environmental Medicine</i> , 2009, 66, 797-804.	2.8	21

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55	Long-term exposure to traffic pollution and hospital admissions in London. <i>Environmental Pollution</i> , 2016, 208, 48-57.	7.5	21
56	Long-Term Greenspace Exposure and Progression of Arterial Stiffness: The Whitehall II Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 67014.	6.0	20
57	Is long-term exposure to traffic pollution associated with mortality? A small-area study in London. <i>Environmental Pollution</i> , 2016, 208, 25-32.	7.5	19
58	Household air pollution following replacement of traditional open fire with an improved rocket type cookstove. <i>Science of the Total Environment</i> , 2017, 580, 440-447.	8.0	18
59	Association between ambient and household air pollution with carotid intima-media thickness in peri-urban South India: CHAI-Project. <i>International Journal of Epidemiology</i> , 2020, 49, 69-79.	1.9	17
60	Identifying predictors of personal exposure to air temperature in peri-urban India. <i>Science of the Total Environment</i> , 2020, 707, 136114.	8.0	16
61	Wearable camera-derived microenvironments in relation to personal exposure to PM2.5. <i>Environment International</i> , 2018, 117, 300-307.	10.0	15
62	A call for epidemiology where the air pollution is. <i>Lancet Planetary Health</i> , The, 2017, 1, e355-e356.	11.4	13
63	Land-Use Change and Cardiometabolic Risk Factors in an Urbanizing Area of South India: A Population-Based Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 47003.	6.0	13
64	An approach for estimating the health effects of changes over time in air pollution: an illustration using cardio-respiratory hospital admissions in London. <i>Occupational and Environmental Medicine</i> , 2010, 67, 422-427.	2.8	12
65	Contribution of the physical environment to socioeconomic gradients in walking in the Whitehall II study. <i>Health and Place</i> , 2014, 27, 186-193.	3.3	12
66	Local mortality impacts due to future air pollution under climate change scenarios. <i>Science of the Total Environment</i> , 2022, 823, 153832.	8.0	11
67	Maternal seafood consumption during pregnancy and child attention outcomes: a cohort study with gene effect modification by PUFA-related genes. <i>International Journal of Epidemiology</i> , 2020, 49, 559-571.	1.9	10
68	Health and environmental impacts of replacing kerosene-based lighting with renewable electricity in East Africa. <i>Energy for Sustainable Development</i> , 2021, 63, 16-23.	4.5	9
69	Head circumference and child ADHD symptoms and cognitive functioning: results from a large population-based cohort study. <i>European Child and Adolescent Psychiatry</i> , 2019, 28, 377-388.	4.7	8
70	Personal exposure to particulate air pollution and vascular damage in peri-urban South India. <i>Environment International</i> , 2020, 139, 105734.	10.0	7
71	The role of blank filter mass in attenuation measurements using an off-line transmissometer. <i>Journal of Aerosol Science</i> , 2019, 131, 41-47.	3.8	6
72	Health impacts of fine particles under climate change mitigation, air quality control, and demographic change in India. <i>Environmental Research Letters</i> , 2021, 16, 054025.	5.2	6

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73	The Sensitivity of PM _{2.5} Source-Receptor Relationships to Atmospheric Chemistry and Transport in a Three-Dimensional Air Quality Model. <i>Journal of the Air and Waste Management Association</i> , 2000, 50, 428-435.	1.9	5
74	rtimicropem: an R package supporting the analysis of RTI MicroPEM output files. <i>Journal of Open Source Software</i> , 2017, 2, .	4.6	5
75	Association of ambient and household air pollution with lung function in young adults in an peri-urban area of South-India: A cross-sectional study. <i>Environment International</i> , 2022, 165, 107290.	10.0	4
76	Is occupational biomass smoke exposure an overlooked driver of respiratory health?. <i>Occupational and Environmental Medicine</i> , 2018, 75, 687-688.	2.8	3
77	Study protocol of the European Urban Burden of Disease Project: a health impact assessment study. <i>BMJ Open</i> , 2022, 12, e054270.	1.9	3
78	Potential for Life Course Health Benefits From Improved Household Environments. <i>JAMA Network Open</i> , 2020, 3, e202968.	5.9	1
79	Determinants of carbon load in airway macrophages in pregnant women. <i>Environmental Pollution</i> , 2022, 297, 118765.	7.5	1
80	Long-Term Exposure to Traffic Particles is Associated with Acute Myocardial Infarction. <i>Epidemiology</i> , 2006, 17, S241.	2.7	0
81	Oxidative Potential: Moving Towards a Toxicity Based Measure of PM Exposure. <i>Epidemiology</i> , 2009, 20, S241-S242.	2.7	0
82	Kerosene-based lighting: an overlooked source of exposure to household air pollution?. <i>Clean Air Journal</i> , 2020, 30, .	0.5	0