Evi Dons

List of Publications by Year in descending order

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Version: 2024-02-01

55 papers	4,916 citations	136885 32 h-index	155592 55 g-index
70 all docs	70 docs citations	70 times ranked	5662 citing authors

#	Article	IF	Citations
1	Development of Land Use Regression Models for PM_{2.5}, PM_{2.5} Absorbance, PM₁₀ and PM_{coarse} in 20 European Study Areas; Results of the ESCAPE Project. Environmental Science & Technology, 2012, 46, 11195-11205.	4.6	877
2	Development of NO2 and NOx land use regression models for estimating air pollution exposure in 36 study areas in Europe â€“ The ESCAPE project. Atmospheric Environment, 2013, 72, 10-23.	1.9	719
3	Health impact assessment of active transportation: A systematic review. Preventive Medicine, 2015, 76, 103-114.	1.6	579
4	Personal exposure to Black Carbon in transport microenvironments. Atmospheric Environment, 2012, 55, 392-398.	1.9	269
5	Impact of timeâ€“activity patterns on personal exposure to black carbon. Atmospheric Environment, 2011, 45, 3594-3602.	1.9	232
6	Development of Land Use Regression Models for Particle Composition in Twenty Study Areas in Europe. Environmental Science & Technology, 2013, 47, 5778-5786.	4.6	167
7	Health impact assessment of cycling network expansions in European cities. Preventive Medicine, 2018, 109, 62-70.	1.6	122
8	Influence of ambient air pollution on global DNA methylation in healthy adults: A seasonal follow-up. Environment International, 2013, 59, 418-424.	4.8	103
9	Blood Pressure and Same-Day Exposure to Air Pollution at School: Associations with Nano-Sized to Coarse PM in Children. Environmental Health Perspectives, 2015, 123, 737-742.	2.8	96
10	The climate change mitigation effects of daily active travel in cities. Transportation Research, Part D: Transport and Environment, 2021, 93, 102764.	3.2	95
11	The climate change mitigation impacts of active travel: Evidence from a longitudinal panel study in seven European cities. Global Environmental Change, 2021, 67, 102224.	3.6	91
12	Short-term effects of physical activity, air pollution and their interaction on the cardiovascular and respiratory system. Environment International, 2018, 117, 82-90.	4.8	88
13	Wearable Sensors for Personal Monitoring and Estimation of Inhaled Traffic-Related Air Pollution: Evaluation of Methods. Environmental Science & Technology, 2017, 51, 1859-1867.	4.6	80
14	Street characteristics and traffic factors determining road users' exposure to black carbon. Science of the Total Environment, 2013, 447, 72-79.	3.9	77
15	Modeling temporal and spatial variability of traffic-related air pollution: Hourly land use regression models for black carbon. Atmospheric Environment, 2013, 74, 237-246.	1.9	76
16	Black Carbon Reduces the Beneficial Effect of Physical Activity on Lung Function. Medicine and Science in Sports and Exercise, 2018, 50, 1875-1881.	0.2	74
17	Airway oxidative stress and inflammation markers in exhaled breath from children are linked with exposure to black carbon. Environment International, 2014, 73, 440-446.	4.8	70
18	The effects of transport mode use on self-perceived health, mental health, and social contact measures: A cross-sectional and longitudinal study. Environment International, 2018, 120, 199-206.	4.8	68

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19	Physical Activity through Sustainable Transport Approaches (PASTA): a study protocol for a multicentre project. BMJ Open, 2016, 6, e009924.	0.8	65
20	Transport mode choice and body mass index: Cross-sectional and longitudinal evidence from a European-wide study. Environment International, 2018, 119, 109-116.	4.8	65
21	Spatial Variation and Land Use Regression Modeling of the Oxidative Potential of Fine Particles. Environmental Health Perspectives, 2015, 123, 1187-1192.	2.8	61
22	Land use regression models as a tool for short, medium and long term exposure to traffic related air pollution. Science of the Total Environment, 2014, 476-477, 378-386.	3.9	59
23	Physical activity of electric bicycle users compared to conventional bicycle users and non-cyclists: Insights based on health and transport data from an online survey in seven European cities. Transportation Research Interdisciplinary Perspectives, 2019, 1, 100017.	1.6	55
24	Evaluation of the RIO-IFDM-street canyon model chain. Atmospheric Environment, 2013, 77, 325-337.	1.9	52
25	Health impact model for modal shift from car use to cycling or walking in Flanders: application to two bicycle highways. Journal of Transport and Health, 2015, 2, 549-562.	1.1	50
26	Blood pressure changes in association with black carbon exposure in a panel of healthy adults are independent of retinal microcirculation. Environment International, 2015, 75, 81-86.	4.8	50
27	Short-term air pollution exposure decreases lung function: a repeated measures study in healthy adults. Environmental Health, 2017, 16, 60.	1.7	49
28	Transport most likely to cause air pollution peak exposures in everyday life: Evidence from over 2000 days of personal monitoring. Atmospheric Environment, 2019, 213, 424-432.	1.9	45
29	Physical Activity through Sustainable Transport Approaches (PASTA): protocol for a multi-centre, longitudinal study. BMC Public Health, 2015, 15, 1126.	1.2	43
30	Physical activity and sedentary behaviour in daily life: A comparative analysis of the Global Physical Activity Questionnaire (GPAQ) and the SenseWear armband. PLoS ONE, 2017, 12, e0177765.	1.1	38
31	Concern over health effects of air pollution is associated to NO2 in seven European cities. Air Quality, Atmosphere and Health, 2018, 11, 591-599.	1.5	37
32	Evaluation of Different Recruitment Methods: Longitudinal, Web-Based, Pan-European Physical Activity Through Sustainable Transport Approaches (PASTA) Project. Journal of Medical Internet Research, 2019, 21, e11492.	2.1	34
33	Short-term fluctuations in personal black carbon exposure are associated with rapid changes in carotid arterial stiffening. Environment International, 2016, 88, 228-234.	4.8	33
34	European cyclists' travel behavior: Differences and similarities between seven European (PASTA) cities. Journal of Transport and Health, 2018, 9, 244-252.	1.1	33
35	Implementation and validation of a modeling framework to assess personal exposure to black carbon. Environment International, 2014, 62, 64-71.	4.8	28
36	Correlates of Walking for Travel in Seven European Cities: The PASTA Project. Environmental Health Perspectives, 2019, 127, 97003.	2.8	28

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37	Effects of physical activity and air pollution on blood pressure. Environmental Research, 2019, 173, 387-396.	3.7	23
38	Annual, seasonal, and morning rush hour Land Use Regression models for black carbon in a school catchment area of Milan, Italy. Environmental Research, 2019, 176, 108520.	3.7	22
39	Cyclist crash rates and risk factors in a prospective cohort in seven European cities. Accident Analysis and Prevention, 2020, 141, 105540.	3.0	22
40	Estimating minute ventilation and air pollution inhaled dose using heart rate, breath frequency, age, sex and forced vital capacity: A pooled-data analysis. PLoS ONE, 2019, 14, e0218673.	1.1	17
41	Using an Activity-Based Framework to Determine Effects of a Policy Measure on Population Exposure to Nitrogen Dioxide. Transportation Research Record, 2011, 2233, 72-79.	1.0	16
42	Is a Land Use Regression Model Capable of Predicting the Cleanest Route to School?. Environments - MDPI, 2019, 6, 90.	1.5	15
43	Personal exposure to equivalent black carbon in children in Milan, Italy: Time-activity patterns and predictors by season. Environmental Pollution, 2021, 274, 116530.	3.7	15
44	What explains public transport use? Evidence from seven European cities. Transport Policy, 2020, 99, 362-374.	3.4	14
45	The effects of traveling in different transport modes on galvanic skin response (GSR) as a measure of stress: An observational study. Environment International, 2021, 156, 106764.	4.8	14
46	Host and environmental predictors of exhaled breath temperature in the elderly. BMC Public Health, 2013, 13, 1226.	1.2	12
47	Modeling Personal Exposure to Air Pollution with AB2C: Environmental Inequality. Procedia Computer Science, 2014, 32, 269-276.	1.2	6
48	Combining citizen science and deep learning for large-scale estimation of outdoor nitrogen dioxide concentrations. Environmental Research, 2021, 196, 110389.	3.7	6
49	Day-to-day intrapersonal variability in mobility patterns and association with perceived stress: A cross-sectional study using GPS from 122 individuals in three European cities. SSM - Population Health, 2022, 19, 101172.	1.3	5
50	Impacts of study design on sample size, participation bias, and outcome measurement: A case study from bicycling research. Journal of Transport and Health, 2019, 15, 100651.	1.1	3
51	Respiratory ventilation and inhaled air pollution dose while riding with a conventional and an electric-assisted cycle along routes with different elevation profiles. Journal of Transport and Health, 2021, 22, 101132.	1.1	2
52	Uncovering Spatio-temporal Air Pollution Exposure Patterns During Commutes to Create an Open-Data Endpoint for Routing Purposes. Key Challenges in Geography, 2021, , 115-151.	0.1	2
53	Validating the RIO-IFDM Street Canyon Coupling over Antwerp, Belgium. Springer Proceedings in Complexity, 2014, , 385-389.	0.2	1
54	A Comparison between Literature Findings and Stakeholder Perspectives on Active Travel Promotion. Journal of Transport and Health, 2017, 5, S69-S70.	1.1	0

#	Article	IF	Citations
55	LATE-BREAKING ABSTRACT: Lung function is associated with air pollution in healthy adults. , 2016, , .		0