

Audrey de Nazelle

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.

106
papers

7,578
citations

44
h-index

86
g-index

138
ext. papers

9,162
ext. citations

6.9
avg, IF

5.62
L-index

#	Paper	IF	Citations
106	Development of Land Use Regression models for PM(2.5), PM(2.5) absorbance, PM(10) and PM(coarse) in 20 European study areas; results of the ESCAPE project. <i>Environmental Science & Technology</i> , 2012 , 46, 11195-205	10.3	630
105	Development of NO2 and NOx land use regression models for estimating air pollution exposure in 36 study areas in Europe – The ESCAPE project. <i>Atmospheric Environment</i> , 2013 , 72, 10-23	5.3	543
104	Health impact assessment of active transportation: A systematic review. <i>Preventive Medicine</i> , 2015 , 76, 103-14	4.3	433
103	Improving health through policies that promote active travel: a review of evidence to support integrated health impact assessment. <i>Environment International</i> , 2011 , 37, 766-77	12.9	372
102	Spatial variation of PM2.5, PM10, PM2.5 absorbance and PMcoarse concentrations between and within 20 European study areas and the relationship with NO2 [Results of the ESCAPE project. <i>Atmospheric Environment</i> , 2012 , 62, 303-317	5.3	331
101	The health risks and benefits of cycling in urban environments compared with car use: health impact assessment study. <i>BMJ, The</i> , 2011 , 343, d4521	5.9	330
100	Variation of NO2 and NOx concentrations between and within 36 European study areas: Results from the ESCAPE study. <i>Atmospheric Environment</i> , 2012 , 62, 374-390	5.3	228
99	Adult lung function and long-term air pollution exposure. ESCAPE: a multicentre cohort study and meta-analysis. <i>European Respiratory Journal</i> , 2015 , 45, 38-50	13.6	218
98	Benefits of shift from car to active transport. <i>Transport Policy</i> , 2012 , 19, 121-131	5.7	205
97	A travel mode comparison of commuters' exposures to air pollutants in Barcelona. <i>Atmospheric Environment</i> , 2012 , 59, 151-159	5.3	181
96	Green space, health inequality and pregnancy. <i>Environment International</i> , 2012 , 40, 110-115	12.9	181
95	Improving estimates of air pollution exposure through ubiquitous sensing technologies. <i>Environmental Pollution</i> , 2013 , 176, 92-9	9.3	162
94	Ambient air pollution and adult asthma incidence in six European cohorts (ESCAPE). <i>Environmental Health Perspectives</i> , 2015 , 123, 613-21	8.4	142
93	Surrounding greenness and exposure to air pollution during pregnancy: an analysis of personal monitoring data. <i>Environmental Health Perspectives</i> , 2012 , 120, 1286-90	8.4	137
92	Development of land use regression models for particle composition in twenty study areas in Europe. <i>Environmental Science & Technology</i> , 2013 , 47, 5778-86	10.3	133
91	Association of ambient air pollution with the prevalence and incidence of COPD. <i>European Respiratory Journal</i> , 2014 , 44, 614-26	13.6	131
90	Effect of the number of measurement sites on land use regression models in estimating local air pollution. <i>Atmospheric Environment</i> , 2012 , 54, 634-642	5.3	125

89	Development of West-European PM and NO land use regression models incorporating satellite-derived and chemical transport modelling data. <i>Environmental Research</i> , 2016 , 151, 1-10	7.9	118
88	A study of the combined effects of physical activity and air pollution on mortality in elderly urban residents: the Danish Diet, Cancer, and Health Cohort. <i>Environmental Health Perspectives</i> , 2015 , 123, 557-63	8.4	104
87	Does exposure to air pollution in urban parks have socioeconomic, racial or ethnic gradients?. <i>Environmental Research</i> , 2011 , 111, 319-28	7.9	96
86	Arterial blood pressure and long-term exposure to traffic-related air pollution: an analysis in the European Study of Cohorts for Air Pollution Effects (ESCAPE). <i>Environmental Health Perspectives</i> , 2014 , 122, 896-905	8.4	95
85	Comparison of air pollution exposures in active vs. passive travel modes in European cities: A quantitative review. <i>Environment International</i> , 2017 , 99, 151-160	12.9	85
84	Health impact assessment of cycling network expansions in European cities. <i>Preventive Medicine</i> , 2018 , 109, 62-70	4.3	85
83	Health Impacts of Active Transportation in Europe. <i>PLoS ONE</i> , 2016 , 11, e0149990	3.7	85
82	Traffic-related air pollution and congenital anomalies in Barcelona. <i>Environmental Health Perspectives</i> , 2014 , 122, 317-23	8.4	82
81	Validating novel air pollution sensors to improve exposure estimates for epidemiological analyses and citizen science. <i>Environmental Research</i> , 2017 , 158, 286-294	7.9	74
80	Air Pollution Exposure during Pregnancy and Childhood Autistic Traits in Four European Population-Based Cohort Studies: The ESCAPE Project. <i>Environmental Health Perspectives</i> , 2016 , 124, 133-40	8.4	74
79	Commuter exposure to ultrafine particles in different urban locations, transportation modes and routes. <i>Atmospheric Environment</i> , 2013 , 77, 376-384	5.3	70
78	The built environment and health: impacts of pedestrian-friendly designs on air pollution exposure. <i>Science of the Total Environment</i> , 2009 , 407, 2525-35	10.2	70
77	Objective correlates and determinants of bicycle commuting propensity in an urban environment. <i>Transportation Research, Part D: Transport and Environment</i> , 2015 , 40, 132-143	6.4	68
76	Respiratory and inflammatory responses to short-term exposure to traffic-related air pollution with and without moderate physical activity. <i>Occupational and Environmental Medicine</i> , 2015 , 72, 284-93	2.1	67
75	Cyclist route choice, traffic-related air pollution, and lung function: a scripted exposure study. <i>Environmental Health</i> , 2013 , 12, 14	6	66
74	Climate extremes and the length of gestation. <i>Environmental Health Perspectives</i> , 2011 , 119, 1449-53	8.4	65
73	Wearable Sensors for Personal Monitoring and Estimation of Inhaled Traffic-Related Air Pollution: Evaluation of Methods. <i>Environmental Science & Technology</i> , 2017 , 51, 1859-1867	10.3	61
72	Short-term effects of physical activity, air pollution and their interaction on the cardiovascular and respiratory system. <i>Environment International</i> , 2018 , 117, 82-90	12.9	60

71	Short trips: An opportunity for reducing mobile-source emissions?. <i>Transportation Research, Part D: Transport and Environment</i> , 2010 , 15, 451-457	6.4	58
70	Physical Activity through Sustainable Transport Approaches (PASTA): a study protocol for a multicentre project. <i>BMJ Open</i> , 2016 , 6, e009924	3	56
69	Towards a Comprehensive Conceptual Framework of Active Travel Behavior: a Review and Synthesis of Published Frameworks. <i>Current Environmental Health Reports</i> , 2017 , 4, 286-295	6.5	55
68	Air pollution, physical activity and health: A mapping review of the evidence. <i>Environment International</i> , 2021 , 147, 105954	12.9	54
67	Bayesian maximum entropy integration of ozone observations and model predictions: an application for attainment demonstration in North Carolina. <i>Environmental Science & Technology</i> , 2010 , 44, 5707-13	10.3	53
66	Air pollution and atherosclerosis: a cross-sectional analysis of four European cohort studies in the ESCAPE study. <i>Environmental Health Perspectives</i> , 2015 , 123, 597-605	8.4	51
65	Black Carbon Reduces the Beneficial Effect of Physical Activity on Lung Function. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1875-1881	1.2	50
64	Short-term planning and policy interventions to promote cycling in urban centers: Findings from a commute mode choice analysis in Barcelona, Spain. <i>Transportation Research, Part A: Policy and Practice</i> , 2016 , 89, 164-183	3.7	49
63	Comparison of physical activity measures using mobile phone-based CalFit and Actigraph. <i>Journal of Medical Internet Research</i> , 2013 , 15, e111	7.6	45
62	Estimated effects of air pollution and space-time-activity on cardiopulmonary outcomes in healthy adults: A repeated measures study. <i>Environment International</i> , 2018 , 111, 247-259	12.9	44
61	Cross-sectional associations between air pollution and chronic bronchitis: an ESCAPE meta-analysis across five cohorts. <i>Thorax</i> , 2014 , 69, 1005-14	7.3	44
60	Spatial variations of PAH, hopanes/steranes and EC/OC concentrations within and between European study areas. <i>Atmospheric Environment</i> , 2014 , 87, 239-248	5.3	42
59	The relationship between bicycle commuting and perceived stress: a cross-sectional study. <i>BMJ Open</i> , 2017 , 7, e013542	3	42
58	The Added Benefit of Bicycle Commuting on the Regular Amount of Physical Activity Performed. <i>American Journal of Preventive Medicine</i> , 2015 , 49, 842-9	6.1	40
57	Populations potentially exposed to traffic-related air pollution in seven world cities. <i>Environment International</i> , 2015 , 78, 82-89	12.9	37
56	Spatial variation of PM elemental composition between and within 20 European study areas--Results of the ESCAPE project. <i>Environment International</i> , 2015 , 84, 181-92	12.9	37
55	The effects of transport mode use on self-perceived health, mental health, and social contact measures: A cross-sectional and longitudinal study. <i>Environment International</i> , 2018 , 120, 199-206	12.9	37
54	Personal, indoor and outdoor air pollution levels among pregnant women. <i>Atmospheric Environment</i> , 2013 , 64, 287-295	5.3	36

53	Physical Activity through Sustainable Transport Approaches (PASTA): protocol for a multi-centre, longitudinal study. <i>BMC Public Health</i> , 2015 , 15, 1126	4.1	36
52	Air pollution and preterm premature rupture of membranes: a spatiotemporal analysis. <i>American Journal of Epidemiology</i> , 2014 , 179, 200-7	3.8	36
51	Transport mode choice and body mass index: Cross-sectional and longitudinal evidence from a European-wide study. <i>Environment International</i> , 2018 , 119, 109-116	12.9	36
50	Understanding parents' school travel choices: A qualitative study using the Theoretical Domains Framework. <i>Journal of Transport and Health</i> , 2017 , 4, 278-293	3	35
49	Impact of traffic-related air pollution on acute changes in cardiac autonomic modulation during rest and physical activity: a cross-over study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016 , 26, 133-40	6.7	33
48	The climate change mitigation impacts of active travel: Evidence from a longitudinal panel study in seven European cities. <i>Global Environmental Change</i> , 2021 , 67, 102224	10.1	33
47	Benefits of Mobile Phone Technology for Personal Environmental Monitoring. <i>JMIR MHealth and UHealth</i> , 2016 , 4, e126	5.5	32
46	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. <i>Transportation Research Interdisciplinary Perspectives</i> , 2019 , 1, 100017	7.3	31
45	Large scale air pollution estimation method combining land use regression and chemical transport modeling in a geostatistical framework. <i>Environmental Science & Technology</i> , 2014 , 48, 4452-9	10.3	31
44	The climate change mitigation effects of daily active travel in cities. <i>Transportation Research, Part D: Transport and Environment</i> , 2021 , 93, 102764	6.4	31
43	Concentrations and determinants of outdoor, indoor and personal nitrogen dioxide in pregnant women from two Spanish birth cohorts. <i>Environment International</i> , 2009 , 35, 1196-201	12.9	29
42	Cycling in Warsaw, Poland - Perceived enablers and barriers according to cyclists and non-cyclists. <i>Transportation Research, Part A: Policy and Practice</i> , 2018 , 113, 291-301	3.7	28
41	Transport most likely to cause air pollution peak exposures in everyday life: Evidence from over 2000 days of personal monitoring. <i>Atmospheric Environment</i> , 2019 , 213, 424-432	5.3	27
40	Development of land use regression models for elemental, organic carbon, PAH, and hopanes/steranes in 10 ESCAPE/TRANSPHORM European study areas. <i>Environmental Science & Technology</i> , 2014 , 48, 14435-44	10.3	27
39	The relevance of commuter and work/school exposure in an epidemiological study on traffic-related air pollution. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015 , 25, 474-81	6.7	26
38	Concern over health effects of air pollution is associated to NO ₂ in seven European cities. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 591-599	5.6	26
37	Spatial variations of levoglucosan in four European study areas. <i>Science of the Total Environment</i> , 2015 , 505, 1072-81	10.2	23
36	Spatial variations and development of land use regression models of oxidative potential in ten European study areas. <i>Atmospheric Environment</i> , 2017 , 150, 24-32	5.3	23

35	Evaluation of Different Recruitment Methods: Longitudinal, Web-Based, Pan-European Physical Activity Through Sustainable Transport Approaches (PASTA) Project. <i>Journal of Medical Internet Research</i> , 2019 , 21, e11492	7.6	23
34	Physical activity and sedentary behaviour in daily life: A comparative analysis of the Global Physical Activity Questionnaire (GPAQ) and the SenseWear armband. <i>PLoS ONE</i> , 2017 , 12, e0177765	3.7	21
33	Correlates of Walking for Travel in Seven European Cities: The PASTA Project. <i>Environmental Health Perspectives</i> , 2019 , 127, 97003	8.4	20
32	Impact of ambient air pollution on physical activity and sedentary behavior in China: A systematic review. <i>Environmental Research</i> , 2019 , 176, 108545	7.9	20
31	Cycling behaviour in 17 countries across 6 continents: levels of cycling, who cycles, for what purpose, and how far?. <i>Transport Reviews</i> , 1-24	9.9	19
30	Saharan dust episodes and pregnancy. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 3222-8		18
29	Simulation of population-based commuter exposure to NO ₂ using different air pollution models. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 5049-68	4.6	14
28	Effects of physical activity and air pollution on blood pressure. <i>Environmental Research</i> , 2019 , 173, 387-396	3.6	13
27	Estimating traffic contribution to particulate matter concentration in urban areas using a multilevel Bayesian meta-regression approach. <i>Environment International</i> , 2020 , 141, 105800	12.9	13
26	The role of personal air pollution sensors and smartphone technology in changing travel behaviour. <i>Journal of Transport and Health</i> , 2018 , 11, 230-243	3	13
25	A systematic review of the leaf traits considered to contribute to removal of airborne particulate matter pollution in urban areas. <i>Environmental Pollution</i> , 2021 , 269, 116104	9.3	12
24	Tradeoffs in incremental changes towards pedestrian-friendly environments: Physical activity and pollution exposure. <i>Transportation Research, Part D: Transport and Environment</i> , 2009 , 14, 255-263	6.4	10
23	Comparison of performance of land use regression models derived for Catalunya, Spain. <i>Atmospheric Environment</i> , 2013 , 77, 598-606	5.3	8
22	Cyclist crash rates and risk factors in a prospective cohort in seven European cities. <i>Accident Analysis and Prevention</i> , 2020 , 141, 105540	6.1	8
21	Investigating the sensitivity of health benefits to focussed PM2.5 emission abatement strategies. <i>Environmental Modelling and Software</i> , 2015 , 74, 268-283	5.2	7
20	What explains public transport use? Evidence from seven European cities. <i>Transport Policy</i> , 2020 , 99, 362-374	5.7	7
19	Integrated health impact assessment of cycling. <i>Occupational and Environmental Medicine</i> , 2010 , 67, 76-78	7.1	6
18	Traffic Exposures and Inhalations of Barcelona Commuters. <i>Epidemiology</i> , 2011 , 22, S77-S78	3.1	6

17	The Role of Socioeconomic Status in the Association of Lung Function and Air Pollution-A Pooled Analysis of Three Adult ESCAPE Cohorts. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	3
16	Evaluating different recruitment methods in a longitudinal survey: Findings from the pan-European PASTA project (Preprint)		3
15	Air Pollution Exposure in Europe Assessment in the ESCAPE study. <i>Epidemiology</i> , 2009 , 20, S254	3.1	3
14	How do we effectively communicate air pollution to change public attitudes and behaviours? A review. <i>Sustainability Science</i> , 2021 , 16, 2027	6.4	3
13	Personal Interventions for Reducing Exposure and Risk for Outdoor Air Pollution: An Official American Thoracic Society Workshop Report. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1435-1443	4.7	3
12	Impacts of study design on sample size, participation bias, and outcome measurement: A case study from bicycling research. <i>Journal of Transport and Health</i> , 2019 , 15, 100651	3	2
11	Public health benefits from urban horticulture in the global north: A scoping review and framework. <i>Global Transitions</i> , 2020 , 2, 246-256	8.4	2
10	Study protocol of the European Urban Burden of Disease Project: a health impact assessment study.. <i>BMJ Open</i> , 2022 , 12, e054270	3	2
9	Barriers and Enablers for Integrating Public Health Cobenefits in Urban Climate Policy.. <i>Annual Review of Public Health</i> , 2021 ,	20.6	2
8	Barriers and Enablers of Integrating Health Evidence into Transport and Urban Planning and Decision Making 2019 , 641-654		2
7	Assessing the Policy Environment for Active Mobility in Cities-Development and Feasibility of the PASTA Cycling and Walking Policy Environment Score. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
6	A guide to value of information methods for prioritising research in health impact modelling.. <i>Epidemiologic Methods</i> , 2021 , 10, 20210012	2.2	1
5	Evaluating the Impact of an Integrated Urban Design of Transport Infrastructure and Public Space on Human Behavior and Environmental Quality: A Case Study in Beijing. <i>Springer Proceedings in Complexity</i> , 2019 , 121-133	0.3	1
4	Investigation into Beijing commuters' exposure to ultrafine particles in four transportation modes: bus, car, bicycle and subway. <i>Atmospheric Environment</i> , 2021 , 266, 118734	5.3	1
3	The effects of traveling in different transport modes on galvanic skin response (GSR) as a measure of stress: An observational study. <i>Environment International</i> , 2021 , 156, 106764	12.9	0
2	Estimating Long-term Exposure to Air Pollution in 38 Study Areas in Europe in a Harmonized Way Using Land Use Regression Modeling (ESCAPE Project). <i>Epidemiology</i> , 2011 , 22, S82	3.1	
1	Implementation of a structured decision-making framework to evaluate and advance understanding of airborne microplastics. <i>Environmental Science and Policy</i> , 2022 , 135, 169-181	6.2	