

# Anna N Molter

## List of Publications by Citations

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37  
papers

3,324  
citations

24  
h-index

38  
g-index

38  
ext. papers

3,928  
ext. citations

6.8  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
37	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 &amp; Technology</i> , <b>2012</b> , 46, 11195-205	10.3	630
36	Development of NO <sub>2</sub> and NO <sub>x</sub> land use regression models for estimating air pollution exposure in 36 study areas in Europe –The ESCAPE project. <i>Atmospheric Environment</i> , <b>2013</b> , 72, 10-23	5.3	543
35	Spatial variation of PM <sub>2.5</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> absorbance and PM <sub>coarse</sub> concentrations between and within 20 European study areas and the relationship with NO <sub>2</sub> [Results of the ESCAPE project. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 303-317	5.3	331
34	Air pollution exposure and lung function in children: the ESCAPE project. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 1357-64	8.4	256
33	Variation of NO <sub>2</sub> and NO <sub>x</sub> concentrations between and within 36 European study areas: Results from the ESCAPE study. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 374-390	5.3	228
32	Air pollution and respiratory infections during early childhood: an analysis of 10 European birth cohorts within the ESCAPE Project. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 107-13	8.4	175
31	Development of land use regression models for particle composition in twenty study areas in Europe. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5778-86	10.3	133
30	Examining the association between socio-demographic composition and COVID-19 fatalities in the European region using spatial regression approach. <i>Sustainable Cities and Society</i> , <b>2020</b> , 62, 102418	10.1	118
29	A multicentre study of air pollution exposure and childhood asthma prevalence: the ESCAPE project. <i>European Respiratory Journal</i> , <b>2015</b> , 45, 610-24	13.6	99
28	Evaluation of land use regression models for NO <sub>2</sub> and particulate matter in 20 European study areas: the ESCAPE project. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4357-64	10.3	82
27	Long-term exposure to PM <sub>10</sub> and NO <sub>2</sub> in association with lung volume and airway resistance in the MAAS birth cohort. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 1232-8	8.4	67
26	Investigating changes in noise pollution due to the COVID-19 lockdown: The case of Dublin, Ireland. <i>Sustainable Cities and Society</i> , <b>2021</b> , 65, 102597	10.1	66
25	Meta-analysis of air pollution exposure association with allergic sensitization in European birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 133, 767-76.e7	11.5	59
24	Performance of multi-city land use regression models for nitrogen dioxide and fine particles. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 843-9	8.4	53
23	The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 397-404	6.7	50
22	Elemental composition of particulate matter and the association with lung function. <i>Epidemiology</i> , <b>2014</b> , 25, 648-57	3.1	46
21	Spatial variation of PM elemental composition between and within 20 European study areas—Results of the ESCAPE project. <i>Environment International</i> , <b>2015</b> , 84, 181-92	12.9	37

20	Modelling air pollution for epidemiologic research--Part I: A novel approach combining land use regression and air dispersion. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 5862-9	10.2	37
19	The Fort Collins commuter study: Variability in personal exposure to air pollutants by microenvironment. <i>Indoor Air</i> , <b>2019</b> , 29, 231-241	5.4	34
18	Modelling air pollution for epidemiologic research--part II: predicting temporal variation through land use regression. <i>Science of the Total Environment</i> , <b>2010</b> , 409, 211-7	10.2	31
17	Associations between particulate matter elements and early-life pneumonia in seven birth cohorts: results from the ESCAPE and TRANSPHORM projects. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 819-29	6.9	29
16	Effects of long-term exposure to PM10 and NO2 on asthma and wheeze in a prospective birth cohort. <i>Journal of Epidemiology and Community Health</i> , <b>2014</b> , 68, 21-8	5.1	29
15	Antibiotic prescribing for common infections in UK general practice: variability and drivers. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 2440-2450	5.1	28
14	Transient health symptoms of MRI staff working with 1.5 and 3.0 Tesla scanners in the UK. <i>European Radiology</i> , <b>2015</b> , 25, 2718-26	8	24
13	Influence of walking route choice on primary school children's exposure to air pollution--A proof of concept study using simulation. <i>Science of the Total Environment</i> , <b>2015</b> , 530-531, 257-262	10.2	23
12	Performance of a microenvironmental model for estimating personal NO2 exposure in children. <i>Atmospheric Environment</i> , <b>2012</b> , 51, 225-233	5.3	23
11	Examining the status of improved air quality in world cities due to COVID-19 led temporary reduction in anthropogenic emissions. <i>Environmental Research</i> , <b>2021</b> , 196, 110927	7.9	22
10	An accurate filter loading correction is essential for assessing personal exposure to black carbon using an Aethalometer. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2017</b> , 27, 409-416	6.7	19
9	Personal exposure to static and time-varying magnetic fields during MRI procedures in clinical practice in the UK. <i>Occupational and Environmental Medicine</i> , <b>2016</b> , 73, 779-786	2.1	15
8	Relationship between prescribing of antibiotics and other medicines in primary care: a cross-sectional study. <i>British Journal of General Practice</i> , <b>2019</b> , 69, e42-e51	1.6	13
7	Antibiotic choice in UK general practice: rates and drivers of potentially inappropriate antibiotic prescribing. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 3371-3378	5.1	11
6	Antibiotic prescribing patterns in general medical practices in England: Does area matter?. <i>Health and Place</i> , <b>2018</b> , 53, 10-16	4.6	10
5	XLUR: A land use regression wizard for ArcGIS Pro. <i>Journal of Open Source Software</i> , <b>2020</b> , 5, 2177	5.2	1
4	Examining the status of improved air quality due to COVID-19 lockdown and an associated reduction in anthropogenic emissions		1
3	Developing land use regression models for environmental science research using the XLUR tool □ More than a one-trick pony. <i>Environmental Modelling and Software</i> , <b>2021</b> , 143, 105108	5.2	1

- 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). *Epidemiology*, **2011**, 22, S82 3.1
- 1 Citizen science and environmental justice: exploring contradictory outcomes through a case study of air quality monitoring in Dublin. *Local Environment*, **2022**, 27, 622-638 3.3