Anna L Hansell

List of Publications by Year
in descending order

116 papers	9,677 citations	38660 50 h-index	38300 95 g-index
119 all docs	119 docs citations	119 times ranked	13916 citing authors

#	Article	IF	Citations
1	Chronic obstructive pulmonary disease: current burden and future projections. European Respiratory Journal, 2006, 27, 397-412.	3.1	1,061
2	Patterns of Comorbidities in Newly Diagnosed COPD and Asthma in Primary Care. Chest, 2005, 128, 2099-2107.	0.4	518
3	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. Nature Genetics, 2019, 51, 481-493.	9.4	350
4	Novel insights into the genetics of smoking behaviour, lung function, and chronic obstructive pulmonary disease (UK BiLEVE): a genetic association study in UK Biobank. Lancet Respiratory Medicine,the, 2015, 3, 769-781.	5.2	346
5	Epidemiology of pneumothorax in England. Thorax, 2000, 55, 666-671.	2.7	314
6	Adult lung function and long-term air pollution exposure. ESCAPE: a multicentre cohort study and meta-analysis. European Respiratory Journal, 2015, 45, 38-50.	3.1	297
7	Genetic epidemiology and public health: hope, hype, and future prospects. Lancet, The, 2005, 366, 1484-1498.	6.3	279
8	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. Nature Genetics, 2017, 49, 416-425.	9.4	257
9	Air pollution, lung function and COPD: results from the population-based UK Biobank study. European Respiratory Journal, 2019, 54, 1802140.	3.1	256
10	Size matters: just how big is BIG?: Quantifying realistic sample size requirements for human genome epidemiology. International Journal of Epidemiology, 2009, 38, 263-273.	0.9	232
11	What do chronic obstructive pulmonary disease patients die from? A multiple cause coding analysis. European Respiratory Journal, 2003, 22, 809-814.	3.1	218
12	Cannabis use and risk of lung cancer: a case-control study. European Respiratory Journal, 2008, 31, 280-286.	3.1	214
13	Ambient Air Pollution and Adult Asthma Incidence in Six European Cohorts (ESCAPE). Environmental Health Perspectives, 2015, 123, 613-621.	2.8	197
14	Health Hazards from Volcanic Gases: A Systematic Literature Review. Archives of Environmental Health, 2004, 59, 628-639.	0.4	193
15	Proportional classifications of COPD phenotypes. Thorax, 2008, 63, 761-767.	2.7	192
16	Aircraft noise and cardiovascular disease near Heathrow airport in London: small area study. BMJ, The, 2013, 347, f5432-f5432.	3.0	188
17	Road traffic noise is associated with increased cardiovascular morbidity and mortality and all-cause mortality in London. European Heart Journal, 2015, 36, 2653-2661.	1.0	185
18	Association of ambient air pollution with the prevalence and incidence of COPD. European Respiratory Journal, 2014, 44, 614-626.	3.1	163

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19	A risk of bias instrument for non-randomized studies of exposures: A users' guide to its application in the context of GRADE. Environment International, 2019, 122, 168-184.	4.8	159
20	Ambient air pollution: a cause of COPD?. European Respiratory Journal, 2014, 43, 250-263.	3.1	150
21	Use of the General Practice Research Database (GPRD) for respiratory epidemiology: a comparison with the 4th Morbidity Survey in General Practice (MSGP4). Thorax, 1999, 54, 413-419.	2.7	144
22	Noise annoyance â€" A modifier of the association between noise level and cardiovascular health?. Science of the Total Environment, 2013, 452-453, 50-57.	3.9	138
23	The health hazards of volcanoes and geothermal areas. Occupational and Environmental Medicine, 2006, 63, 149-156.	1.3	135
24	Exposures and Health Outcomes in Relation to Bioaerosol Emissions From Composting Facilities: A Systematic Review of Occupational and Community Studies. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2015, 18, 43-69.	2.9	130
25	Development and Back-Extrapolation of NO_2 Land Use Regression Models for Historic Exposure Assessment in Great Britain. Environmental Science & Technology, 2013, 47, 7804-7811.	4.6	123
26	Long-term exposure to road traffic noise, ambient air pollution, and cardiovascular risk factors in the HUNT and lifelines cohorts. European Heart Journal, 2017, 38, 2290-2296.	1.0	120
27	COPD prevalence in a random population survey: a matter of definition. European Respiratory Journal, 2007, 30, 232-239.	3.1	113
28	Road traffic noise, air pollution and incident cardiovascular disease: A joint analysis of the HUNT, EPIC-Oxford and UK Biobank cohorts. Environment International, 2018, 114, 191-201.	4.8	111
29	Comparing land use regression and dispersion modelling to assess residential exposure to ambient air pollution for epidemiological studies. Environment International, 2014, 73, 382-392.	4.8	109
30	Impact of London's road traffic air and noise pollution on birth weight: retrospective population based cohort study. BMJ: British Medical Journal, 2017, 359, j5299.	2.4	108
31	A systematic review of the public health risks of bioaerosols from intensive farming. International Journal of Hygiene and Environmental Health, 2018, 221, 134-173.	2.1	104
32	Associations between daily air quality and hospitalisations for acute exacerbation of chronic obstructive pulmonary disease in Beijing, 2013â€"17: an ecological analysis. Lancet Planetary Health, The, 2019, 3, e270-e279.	5.1	104
33	Spatial and temporal associations of road traffic noise and air pollution in London: Implications for epidemiological studies. Environment International, 2016, 88, 235-242.	4.8	101
34	Changes in air quality during COVID-19 â€˜lockdownâ€™ in the United Kingdom. Environmental Pollution, 2021, 272, 116011.	3.7	100
35	Gender-specific presentations for asthma, allergic rhinitis and eczema in primary care. Primary Care Respiratory Journal: Journal of the General Practice Airways Group, 2007, 16, 28-35.	2.5	96
36	Exposure modifiers of the relationships of transportation noise with high blood pressure and noise annoyance. Journal of the Acoustical Society of America, 2012, 132, 3788-3808.	0.5	94

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37	Annoyance and other reaction measures to changes in noise exposure â€" A review. Science of the Total Environment, 2012, 435-436, 551-562.	3.9	94
38	Exposure to aircraft and road traffic noise and associations with heart disease and stroke in six European countries: a cross-sectional study. Environmental Health, 2013, 12, 89.	1.7	94
39	International scale implementation of the CNOSSOS-EU road traffic noise prediction model for epidemiological studies. Environmental Pollution, 2015, 206, 332-341.	3.7	89
40	Land Use Regression Modeling To Estimate Historic (1962â€"1991) Concentrations of Black Smoke and Sulfur Dioxide for Great Britain. Environmental Science & Technology, 2011, 45, 3526-3532.	4.6	79
41	Impacts of air pollution and noise on risk of preterm birth and stillbirth in London. Environment International, 2020, 134, 105290.	4.8	76
42	Patterns of domestic exposure to carbon monoxide and particulate matter in households using biomass fuel in Janakpur, Nepal. Environmental Pollution, 2017, 220, 38-45.	3.7	74
43	Reproductive Outcomes Associated with Noise Exposure â€" A Systematic Review of the Literature. International Journal of Environmental Research and Public Health, 2014, 11, 7931-7952.	1.2	73
44	Air pollution and cardiovascular mortality with over 25years follow-up: A combined analysis of two British cohorts. Environment International, 2017, 99, 275-281.	4.8	70
45	Medication use in relation to noise from aircraft and road traffic in six European countries: results of the HYENA study. Occupational and Environmental Medicine, 2011, 68, 518-524.	1.3	66
46	Associations between Green Space and Health in English Cities: An Ecological, Cross-Sectional Study. PLoS ONE, 2015, 10, e0119495.	1.1	66
47	Ambient air pollution, traffic noise and adult asthma prevalence: a BioSHaRE approach. European Respiratory Journal, 2017, 49, 1502127.	3.1	62
48	Historic air pollution exposure and long-term mortality risks in England and Wales: prospective longitudinal cohort study. Thorax, 2016, 71, 330-338.	2.7	60
49	Cross-sectional associations between air pollution and chronic bronchitis: an ESCAPE meta-analysis across five cohorts. Thorax, 2014, 69, 1005-1014.	2.7	56
50	Is aircraft noise exposure associated with cardiovascular disease and hypertension? Results from a cohort study in Athens, Greece. Occupational and Environmental Medicine, 2017, 74, 830-837.	1.3	54
51	Traffic Air Pollution and Other Risk Factors for Respiratory Illness in Schoolchildren in the Niger-Delta Region of Nigeria. Environmental Health Perspectives, 2011, 119, 1478-1482.	2.8	48
52	Birth weight trends in England and Wales (1986â€"2012): babies are getting heavier. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F264-F270.	1.4	45
53	Using metal ratios to detect emissions from municipal waste incinerators in ambient air pollution data. Atmospheric Environment, 2015, 113, 177-186.	1.9	41
54	Prenatal, Early-Life, and Childhood Exposure to Air Pollution and Lung Function: The ALSPAC Cohort. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 112-123.	2.5	39

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55	The Role of Air Pollution in Adult-Onset Asthma: A Review of the Current Evidence. Seminars in Respiratory and Critical Care Medicine, 2012, 33, 606-619.	0.8	33
56	BaySTDetect: detecting unusual temporal patterns in small area data via Bayesian model choice. Biostatistics, 2012, 13, 695-710.	0.9	32
57	Validity and interpretation of mortality, health service and survey data on COPD and asthma in England. European Respiratory Journal, 2003, 21, 279-286.	3.1	31
58	Associations of night-time road traffic noise with carotid intima-media thickness and blood pressure: The Whitehall II and SABRE study cohorts. Environment International, 2017, 98, 54-61.	4.8	28
59	The role of aircraft noise annoyance and noise sensitivity in the association between aircraft noise levels and hypertension risk: Results of a pooled analysis from seven European countries. Environmental Research, 2020, 191, 110179.	3.7	27
60	Road traffic noise, blood pressure and heart rate: Pooled analyses of harmonized data from 88,336 participants. Environmental Research, 2016, 151, 804-813.	3.7	26
61	Small-area methods for investigation of environment and health. International Journal of Epidemiology, 2020, 49, 686-699.	0.9	26
62	Data Resource Profile: The ALSPAC birth cohort as a platform to study the relationship of environment and health and social factors. International Journal of Epidemiology, 2019, 48, 1038-1039k.	0.9	25
63	Impact of road traffic noise on obesity measures: Observational study of three European cohorts. Environmental Research, 2020, 191, 110013.	3.7	25
64	Comparison of model estimates from an intra-city land use regression model with a national satellite-LUR and a regional Bayesian Maximum Entropy model, in estimating NO2 for a birth cohort in Sydney, Australia. Environmental Research, 2019, 174, 24-34.	3.7	24
65	Fetal growth, stillbirth, infant mortality and other birth outcomes near UK municipal waste incinerators; retrospective population based cohort and case-control study. Environment International, 2019, 122, 151-158.	4.8	24
66	Ambient air pollution exposure and chronic bronchitis in the Lifelines cohort. Thorax, 2021, 76, 772-779.	2.7	24
67	Excess risk of kidney disease in a population living near industrial plants. Occupational and Environmental Medicine, 2004, 61, 717-719.	1.3	23
68	Estimating Particulate Exposure from Modern Municipal Waste Incinerators in Great Britain. Environmental Science & Technology, 2017, 51, 7511-7519.	4.6	23
69	Analysis of hospital admissions due to accidental non-fire-related carbon monoxide poisoning in England, between 2001 and 2010. Journal of Public Health, 2016, 38, 76-83.	1.0	22
70	Weighted Road Density and Allergic Disease in Children at High Risk of Developing Asthma. PLoS ONE, 2014, 9, e98978.	1.1	22
71	Respiratory hospital admission risk near large composting facilities. International Journal of Hygiene and Environmental Health, 2016, 219, 372-379.	2.1	21
72	Association between Noise Annoyance and Mental Health Outcomes: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 2696.	1.2	21

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73	Development and transferability of a nitrogen dioxide land use regression model within the Veneto region of Italy. Atmospheric Environment, 2015, 122, 696-704.	1.9	20
74	Local- and regional-scale air pollution modelling (PM10) and exposure assessment for pregnancy trimesters, infancy, and childhood to age 15 years: Avon Longitudinal Study of Parents And Children (ALSPAC). Environment International, 2018, 113, 10-19.	4.8	20
75	Birth weight, early childhood growth and lung function in middle to early old age: 1946 British birth cohort. Thorax, 2016, 71, 916-922.	2.7	19
76	Inequalities in rural communities: adapting national deprivation indices for rural settings. Journal of Public Health, 2018, 40, 419-425.	1.0	19
77	Estimating Aspergillus fumigatus exposure from outdoor composting activities in England between 2005 and 14. Waste Management, 2019, 84, 235-244.	3.7	19
78	Occupational Risk Factors for Chronic Respiratory Disease in a New Zealand Population Using Lifetime Occupational History. Journal of Occupational and Environmental Medicine, 2014, 56, 270-280.	0.9	18
79	Protective Effects of Smoke-free Legislation on Birth Outcomes in England. Epidemiology, 2016, 27, 810-818.	1.2	18
80	Associations between metal constituents of ambient particulate matter and mortality in England: an ecological study. BMJ Open, 2019, 9, e030140.	0.8	18
81	Prevalence of asthma and respiratory symptoms in children in a low socio-economic status area of Nigeria. International Journal of Tuberculosis and Lung Disease, 2013, 17, 982-988.	0.6	16
82	Comparative Assessment of Particulate Air Pollution Exposure from Municipal Solid Waste Incinerator Emissions. Journal of Environmental and Public Health, 2013, 2013, 1-13.	0.4	16
83	Investigating trends in asthma and COPD through multiple data sources: A small area study. Spatial and Spatio-temporal Epidemiology, 2016, 19, 28-36.	0.9	15
84	Childhood fish oil supplementation modifies associations between traffic related air pollution and allergic sensitisation. Environmental Health, 2018, 17, 27.	1.7	15
85	Routinely collected English birth data sets: comparisons and recommendations for reproductive epidemiology. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F451-F457.	1.4	14
86	Predicting Aspergillus fumigatus exposure from composting facilities using a dispersion model: A conditional calibration and validation. International Journal of Hygiene and Environmental Health, 2017, 220, 17-28.	2.1	13
87	The challenge of opt-outs from NHS data: a small-area perspective. Journal of Public Health, 2018, 40, e594-e600.	1.0	13
88	Risk of congenital anomalies near municipal waste incinerators in England and Scotland: Retrospective population-based cohort study. Environment International, 2020, 134, 104845.	4.8	12
89	Medical event profiling of COPD patients. Pharmacoepidemiology and Drug Safety, 2004, 13, 547-555.	0.9	11
90	Associations between urban metrics and mortality rates in England. Environmental Health, 2016, 15, 34.	1.7	10

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91	Risk of respiratory hospital admission associated with modelled concentrations of Aspergillus fumigatus from composting facilities in England. Environmental Research, 2020, 183, 108949.	3.7	10
92	A spatial joint analysis of metal constituents of ambient particulate matter and mortality in England. Environmental Epidemiology, 2020, 4, e098.	1.4	9
93	Software application profile: the Rapid Inquiry Facility 4.0: an open access tool for environmental public health tracking. International Journal of Epidemiology, 2020, 49, i38-i48.	0.9	9
94	The role of aircraft noise annoyance and noise sensitivity in the association between aircraft noise levels and medication use: results of a pooled-analysis from seven European countries. BMC Public Health, 2021, 21, 300.	1.2	9
95	Lies, damned lies and mortality statistics?. Thorax, 2006, 61, 923-924.	2.7	8
96	Using ecological propensity score to adjust for missing confounders in small area studies. Biostatistics, 2019, 20, 1-16.	0.9	8
97	Risk of cardiovascular mortality, stroke and coronary heart mortality associated with aircraft noise around Congonhas airport, São Paulo, Brazil: a small-area study. Environmental Health, 2021, 20, 59.	1.7	8
98	Genome-wide gene-air pollution interaction analysis of lung function in 300,000 individuals. Environment International, 2022, 159, 107041.	4.8	8
99	Geological hazards: From early warning systems to public health toolkits. Health and Place, 2014, 30, 116-119.	1.5	7
100	Bayesian spatial modelling for quasi-experimental designs: An interrupted time series study of the opening of Municipal Waste Incinerators in relation to infant mortality and sex ratio. Environment International, 2019, 128, 109-115.	4.8	7
101	Availability, access, analysis and dissemination of small-area data. International Journal of Epidemiology, 2020, 49, i4-i14.	0.9	7
102	Automation of cleaning and reconstructing residential address histories to assign environmental exposures in longitudinal studies. International Journal of Epidemiology, 2020, 49, i49-i56.	0.9	7
103	Trimester effects of source-specific PM10 on birth weight outcomes in the Avon Longitudinal Study of Parents and Children (ALSPAC). Environmental Health, 2021, 20, 4.	1.7	7
104	A Bayesian analysis of the impact of air pollution episodes on cardio-respiratory hospital admissions in the Greater London area. Statistical Methods in Medical Research, 2011, 20, 69-80.	0.7	5
105	Invited Perspective: Ambient Air Pollution and SARS-CoV-2: Research Challenges and Public Health Implications. Environmental Health Perspectives, 2021, 129, 111303.	2.8	5
106	Personal air pollution exposure during morning commute car and active transport journeys. Journal of Transport and Health, 2022, 26, 101365.	1.1	5
107	Don't Take It Personal: European Union Legal Aspects of Procuring and Protecting Environmental Exposure Data in Population Biobanks Through the Use of a Geo-Information-Systems Toolkit. Biopreservation and Biobanking, 2016, 14, 217-223.	0.5	3
108	Use of health data in health impact assessment. Impact Assessment and Project Appraisal, 2003, 21, 57-64.	1.0	2

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109	Authors' reply to Corbin, Moore, and Coebergh. BMJ, The, 2013, 347, f6795-f6795.	3.0	2
110	Traffic-related air pollution and solid organ transplant failure in Great Britain: A retrospective cohort study. Journal of Transport and Health, 2018, 10, 124-131.	1.1	2
111	A flexible hierarchical framework for improving inference in area-referenced environmental health studies. Biometrical Journal, 2020, 62, 1650-1669.	0.6	2
112	Household Air Pollution and Respiratory Symptoms a Month Before and During the Stringent COVID-19 Lockdown Levels 5 and 4 in South Africa. Annals of Global Health, 2022, 88, 3.	0.8	2
113	Use of personal exposure modelling in risk assessment of air pollutants. Occupational and Environmental Medicine, 2003, 60, 529-529.	1.3	1
114	Lessons from ecological and spatial studies in relation to occupational lung disease. Current Opinion in Allergy and Clinical Immunology, 2009, 9, 87-92.	1.1	1
115	Authors' reply to Kolstad and colleagues. BMJ, The, 2013, 347, f7464-f7464.	3.0	1
116	The environment is a first order issue for lung health. International Journal of Tuberculosis and Lung Disease, 2019, 23, 1239-1240.	0.6	1