Danielle Vienneau

List of Publications by Year
in descending order

115 papers	8,210 citations	66315 42 h-index	48277 88 g-index
115 all docs	115 docs citations	115 times ranked	6916 citing authors

#	Article	IF	Citations
1	A review of land-use regression models to assess spatial variation of outdoor air pollution. Atmospheric Environment, 2008, 42, 7561-7578.	1.9	1,060
2	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. Environmental Science & Technology, 2012, 46, 11195-11205.	4.6	877
3	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
4	Mapping of background air pollution at a fine spatial scale across the European Union. Science of the Total Environment, 2009, 407, 1852-1867.	3.9	227
5	Ambient Air Pollution and Adult Asthma Incidence in Six European Cohorts (ESCAPE). Environmental Health Perspectives, 2015, 123, 613-621.	2.8	197
6	Spatial PM2.5, NO2, O3 and BC models for Western Europe â€" Evaluation of spatiotemporal stability. Environment International, 2018, 120, 81-92.	4.8	193
7	More than clean air and tranquillity: Residential green is independently associated with decreasing mortality. Environment International, 2017, 108, 176-184.	4.8	187
8	The relationship between transportation noise exposure and ischemic heart disease: A meta-analysis. Environmental Research, 2015, 138, 372-380.	3.7	177
9	A comparison of linear regression, regularization, and machine learning algorithms to develop Europe-wide spatial models of fine particles and nitrogen dioxide. Environment International, 2019, 130, 104934.	4.8	177
10	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
11	Western European Land Use Regression Incorporating Satellite- and Ground-Based Measurements of NO_2 and PM_{10}. Environmental Science & Technology, 2013, 47, 13555-13564.	4.6	155
12	Development of West-European PM 2.5 and NO 2 land use regression models incorporating satellite-derived and chemical transport modelling data. Environmental Research, 2016, 151, 1-10.	3.7	145
13	Long-term exposure to low ambient air pollution concentrations and mortality among 28 million people: results from seven large European cohorts within the ELAPSE project. Lancet Planetary Health, The, 2022, 6, e9-e18.	5.1	130
14	Transportation noise exposure and cardiovascular mortality: a nationwide cohort study from Switzerland. European Journal of Epidemiology, 2017, 32, 307-315.	2.5	128
15	Associations between air pollution and socioeconomic characteristics, ethnicity and age profile of neighbourhoods in England and the Netherlands. Environmental Pollution, 2015, 198, 201-210.	3.7	124
16	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
17	Long-term exposure to low-level ambient air pollution and incidence of stroke and coronary heart disease: a pooled analysis of six European cohorts within the ELAPSE project. Lancet Planetary Health, The, 2021, 5, e620-e632.	5.1	123
18	A survey on exposure-response relationships for road, rail, and aircraft noise annoyance: Differences between continuous and intermittent noise. Environment International, 2019, 125, 277-290.	4.8	112

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19	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
20	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
21	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
22	Long-term exposure to transportation noise and air pollution in relation to incident diabetes in the SAPALDIA study. International Journal of Epidemiology, 2017, 46, 1115-1125.	0.9	101
23	Development of an open-source road traffic noise model for exposure assessment. Environmental Modelling and Software, 2015, 74, 183-193.	1.9	97
24	Long term exposure to low level air pollution and mortality in eight European cohorts within the ELAPSE project: pooled analysis. BMJ, The, 2021, 374, n1904.	3.0	93
25	A systematic analysis of mutual effects of transportation noise and air pollution exposure on myocardial infarction mortality: a nationwide cohort study in Switzerland. European Heart Journal, 2019, 40, 598-603.	1.0	85
26	Long-term transportation noise annoyance is associated with subsequent lower levels of physical activity. Environment International, 2016, 91, 341-349.	4.8	80
27	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
28	Intermittency ratio: A metric reflecting short-term temporal variations of transportation noise exposure. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 575-585.	1.8	79
29	Long-term low-level ambient air pollution exposure and risk of lung cancer â€" A pooled analysis of 7 European cohorts. Environment International, 2021, 146, 106249.	4.8	79
30	Exposure to Road, Railway, and Aircraft Noise and Arterial Stiffness in the SAPALDIA Study: Annual Average Noise Levels and Temporal Noise Characteristics. Environmental Health Perspectives, 2017, 125, 097004.	2.8	78
31	Long-term exposure to transportation noise and its association with adiposity markers and development of obesity. Environment International, 2018, 121, 879-889.	4.8	74
32	Home Outdoor NO2 and New Onset of Self-Reported Asthma in Adults. Epidemiology, 2009, 20, 119-126.	1.2	65
33	Performance of Multi-City Land Use Regression Models for Nitrogen Dioxide and Fine Particles. Environmental Health Perspectives, 2014, 122, 843-849.	2.8	61
34	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
35	Long-term exposure to ambient air pollution and risk of dementia: Results of the prospective Three-City Study. Environment International, 2021, 148, 106376.	4.8	58
36	Genome-Wide DNA Methylation in Peripheral Blood and Long-Term Exposure to Source-Specific Transportation Noise and Air Pollution: The SAPALDIA Study. Environmental Health Perspectives, 2020, 128, 67003.	2.8	56

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37	The Association between Road Traffic Noise Exposure, Annoyance and Health-Related Quality of Life (HRQOL). International Journal of Environmental Research and Public Health, 2014, 11, 12652-12667.	1.2	54
38	Years of life lost and morbidity cases attributable to transportation noise and air pollution: A comparative health risk assessment for Switzerland in 2010. International Journal of Hygiene and Environmental Health, 2015, 218, 514-521.	2.1	53
39	Long-Term Exposure to Fine Particle Elemental Components and Natural and Cause-Specific Mortalityâ€"a Pooled Analysis of Eight European Cohorts within the ELAPSE Project. Environmental Health Perspectives, 2021, 129, 47009.	2.8	53
40	Differences between Outdoor and Indoor Sound Levels for Open, Tilted, and Closed Windows. International Journal of Environmental Research and Public Health, 2018, 15, 149.	1.2	52
41	Long-term exposure to low-level air pollution and incidence of chronic obstructive pulmonary disease: The ELAPSE project. Environment International, 2021, 146, 106267.	4.8	50
42	Exposure to moderate air pollution and associations with lung function at school-age: A birth cohort study. Environment International, 2019, 126, 682-689.	4.8	49
43	Transportation noise exposure, noise annoyance and respiratory health in adults: A repeated-measures study. Environment International, 2018, 121, 741-750.	4.8	46
44	FaÃ§ades, floors and maps â€" Influence of exposure measurement error on the association between transportation noise and myocardial infarction. Environment International, 2019, 123, 399-406.	4.8	45
45	An association of particulate air pollution and traffic exposure with mortality after lung transplantation in Europe. European Respiratory Journal, 2017, 49, 1600484.	3.1	43
46	Development of Europe-Wide Models for Particle Elemental Composition Using Supervised Linear Regression and Random Forest. Environmental Science & Technology, 2020, 54, 15698-15709.	4.6	43
47	Effects of Scale, Question Location, Order of Response Alternatives, and Season on Self-Reported Noise Annoyance Using ICBEN Scales: A Field Experiment. International Journal of Environmental Research and Public Health, 2016, 13, 1163.	1.2	42
48	Does night-time aircraft noise trigger mortality? A case-crossover study on 24Â886 cardiovascular deaths. European Heart Journal, 2021, 42, 835-843.	1.0	42
49	Residential green is associated with reduced annoyance to road traffic and railway noise but increased annoyance to aircraft noise exposure. Environment International, 2020, 143, 105885.	4.8	41
50	Diurnal variability of transportation noise exposure and cardiovascular mortality: A nationwide cohort study from Switzerland. International Journal of Hygiene and Environmental Health, 2018, 221, 556-563.	2.1	40
51	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	40
52	Incidence of depression in relation to transportation noise exposure and noise annoyance in the SAPALDIA study. Environment International, 2020, 144, 106014.	4.8	39
53	Transportation noise exposure and cardiovascular mortality: 15-years of follow-up in a nationwide prospective cohort in Switzerland. Environment International, 2022, 158, 106974.	4.8	39
54	Effects of Radon and UV Exposure on Skin Cancer Mortality in Switzerland. Environmental Health Perspectives, 2017, 125, 067009.	2.8	38

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55	Self-Reported Sleep Disturbance from Road, Rail and Aircraft Noise: Exposure-Response Relationships and Effect Modifiers in the SiRENE Study. International Journal of Environmental Research and Public Health, 2019, 16, 4186.	1.2	38
56	The role of extreme temperature in cause-specific acute cardiovascular mortality in Switzerland: A case-crossover study. Science of the Total Environment, 2021, 790, 147958.	3.9	36
57	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	36
58	Long‐term exposure to air pollution and liver cancer incidence in six European cohorts. International Journal of Cancer, 2021, 149, 1887-1897.	2.3	35
59	Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. Environmental Research, 2021, 193, 110568.	3.7	32
60	Long-term exposure to air pollution and mortality in a Danish nationwide administrative cohort study: Beyond mortality from cardiopulmonary disease and lung cancer. Environment International, 2022, 164, 107241.	4.8	30
61	Adverse impact of nocturnal transportation noise on glucose regulation in healthy young adults: Effect of different noise scenarios. Environment International, 2018, 121, 1011-1023.	4.8	27
62	Long-term exposure to black carbon and mortality: A 28-year follow-up of the GAZEL cohort. Environment International, 2021, 157, 106805.	4.8	27
63	Noise-related sleep disturbances: Does gender matter?. Noise and Health, 2014, 16, 197.	0.4	26
64	Back-extrapolated and year-specific NO2 land use regression models for Great Britain - Do they yield different exposure assessment?. Environment International, 2016, 92-93, 202-209.	4.8	26
65	Risk factors for schistosomiasis in an urban area in northern Côte d'Ivoire. Infectious Diseases of Poverty, 2018, 7, 47.	1.5	26
66	Outdoor air pollution exposure and cognitive performance: findings from the enrolment phase of the CONSTANCES cohort. Lancet Planetary Health, The, 2022, 6, e219-e229.	5.1	26
67	Exposure to Night-Time Traffic Noise, Melatonin-Regulating Gene Variants and Change in Glycemia in Adults. International Journal of Environmental Research and Public Health, 2017, 14, 1492.	1.2	24
68	Transportation noise impairs cardiovascular function without altering sleep: The importance of autonomic arousals. Environmental Research, 2020, 182, 109086.	3.7	24
69	Sleep spindle characteristics and arousability from nighttime transportation noise exposure in healthy young and older individuals. Sleep, 2018, 41, .	0.6	23
70	Comparison of sensitivity and annoyance to road traffic and community noise between a South African and a Swiss population sample. Environmental Pollution, 2018, 241, 1056-1062.	3.7	23
71	Comparison of associations between mortality and air pollution exposure estimated with a hybrid, a land-use regression and a dispersion model. Environment International, 2021, 146, 106306.	4.8	23
72	Reconstruction of historical noise exposure data for environmental epidemiology in Switzerland within the SiRENE project. Noise Mapping, 2014, 1, .	0.7	22

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73	A multinational case-control study on childhood brain tumours, anthropogenic factors, birth characteristics and prenatal exposures: A validation of interview data. Cancer Epidemiology, 2016, 40, 52-59.	0.8	21
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	Long-term exposure to atmospheric metals assessed by mosses and mortality in France. Environment International, 2019, 129, 145-153.	4.8	20
76	Associations of air pollution and greenness with the nasal microbiota of healthy infants: A longitudinal study. Environmental Research, 2021, 202, 111633.	3.7	20
77	Air pollution modelling for birth cohorts: a time-space regression model. Environmental Health, 2016, 15, 61.	1.7	19
78	Estimating the health benefits associated with a speed limit reduction to thirty kilometres per hour: A health impact assessment of noise and road traffic crashes for the Swiss city of Lausanne. Environment International, 2020, 145, 106126.	4.8	19
79	Modeling multi-level survival data in multi-center epidemiological cohort studies: Applications from the ELAPSE project. Environment International, 2021, 147, 106371.	4.8	19
80	Variability in the association between long-term exposure to ambient air pollution and mortality by exposure assessment method and covariate adjustment: A census-based country-wide cohort study. Science of the Total Environment, 2022, 804, 150091.	3.9	19
81	Residential radon – Comparative analysis of exposure models in Switzerland. Environmental Pollution, 2021, 271, 116356.	3.7	17
82	Exposure to ambient air pollution and cognitive decline: Results of the prospective Three-City cohort study. Environment International, 2022, 161, 107118.	4.8	17
83	Response of cord blood cells to environmental, hereditary and perinatal factors: A prospective birth cohort study. PLoS ONE, 2018, 13, e0200236.	1.1	16
84	Contribution of Long-Term Exposure to Outdoor Black Carbon to the Carcinogenicity of Air Pollution: Evidence regarding Risk of Cancer in the Gazel Cohort. Environmental Health Perspectives, 2021, 129, 37005.	2.8	16
85	Greenspace exposure and cancer incidence: A 27-year follow-up of the French GAZEL cohort. Science of the Total Environment, 2021, 787, 147553.	3.9	16
86	Residential air pollution does not modify the positive association between physical activity and lung function in current smokers in the ECRHS study. Environment International, 2018, 120, 364-372.	4.8	15
87	Residential greenness-related DNA methylation changes. Environment International, 2022, 158, 106945.	4.8	15
88	Concurrently Measured Concentrations of Atmospheric Mercury in Indoor (household) and Outdoor Air of Basel, Switzerland. Environmental Science and Technology Letters, 2020, 7, 234-239.	3.9	13
89	The association of road traffic noise with problem behaviour in adolescents: A cohort study. Environmental Research, 2022, 207, 112645.	3.7	12
90	Glucocorticoid metabolites in newborns: A marker for traffic noise related stress?. Environment International, 2018, 117, 319-326.	4.8	11

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91	Long-term exposure to fine particle elemental components and mortality in Europe: Results from six European administrative cohorts within the ELAPSE project. Science of the Total Environment, 2022, 809, 152205.	3.9	11
92	Long-term exposures to PM2.5, black carbon and NO2 and prevalence of current rhinitis in French adults: The Constances Cohort. Environment International, 2021, 157, 106839.	4.8	10
93	Associations of Various Nighttime Noise Exposure Indicators with Objective Sleep Efficiency and Self-Reported Sleep Quality: A Field Study. International Journal of Environmental Research and Public Health, 2019, 16, 3790.	1.2	9
94	Association of transportation noise with sleep during the first year of life: A longitudinal study. Environmental Research, 2022, 203, 111776.	3.7	9
95	Individual Aircraft Noise Exposure Assessment for a Case-Crossover Study in Switzerland. International Journal of Environmental Research and Public Health, 2020, 17, 3011.	1.2	8
96	Prenatal and Postnatal Medical Conditions and the Risk of Brain Tumors in Children and Adolescents: An International Multicenter Case–Control Study. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 110-115.	1.1	7
97	International Inventory of Occupational Exposure Information: OMEGA-NET. Annals of Work Exposures and Health, 2020, 64, 465-467.	0.6	7
98	Occupational Exposure Assessment Tools in Europe: A Comprehensive Inventory Overview. Annals of Work Exposures and Health, 2022, 66, 671-686.	0.6	7
99	Ultradian modulation of cortical arousals during sleep: effects of age and exposure to nighttime transportation noise. Sleep, 2020, 43, .	0.6	6
100	Mutual effects of fine particulate matter, nitrogen dioxide, and fireworks on cause-specific acute cardiovascular mortality: A case-crossover study in communities affected by aircraft noise. Environmental Pollution, 2021, 291, 118066.	3.7	6
101	Harmonization and Visualization of Data from a Transnational Multi-Sensor Personal Exposure Campaign. International Journal of Environmental Research and Public Health, 2021, 18, 11614.	1.2	6
102	Long-term exposure to ambient air pollution and asthma symptom score in the CONSTANCES cohort. Thorax, 2023, 78, 9-15.	2.7	5
103	Pollen exposure is associated with risk of respiratory symptoms during the first year of life. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3606-3616.	2.7	5
104	Association between Outdoor Air Pollution Exposure and Handgrip Strength: Findings from the French CONSTANCES Study. Environmental Health Perspectives, 2022, 130, 57701.	2.8	5
105	Modeling exposure to airborne metals using moss biomonitoring in cemeteries in two urban areas around Paris and Lyon in France. Environmental Pollution, 2022, 303, 119097.	3.7	2
106	O3D.6 …Inventory of occupational, industrial and population cohorts in switzerland. Occupational and Environmental Medicine, 2019, 76, A29.1-A29.	1.3	1
107	Influence of exposure assessment methods on associations between long-term exposure to outdoor fine particulate matter and risk of cancer in the French cohort Gazel. Science of the Total Environment, 2022, 820, 153098.	3.9	1
108	Association between air pollution exposure and handgrip strength as a marker of frailty: findings from the French CONSTANCES cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

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109	Long-term exposure to ambient particulate matter components and mortality: results from six European administrative cohorts within the ELAPSE project. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
110	Air pollution exposure and different dimensions of depression: findings from the French CONSTANCES cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
111	Acute cardiovascular mortality in communities living near a major airport: mutual effects of fine particulate matter and nitrogen dioxide. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
112	Cardiovascular disease mortality and transportation noise: relative and absolute excess risk by age and gender. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
113	A prospective cohort analysis of residential radon exposure and malignant melanoma mortality in the Swiss population. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
114	Long-term exposure to air pollution and incidence of rhinitis in adults in the French population-based cohort Constances. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
115	Exposure to ambient air pollution and cognitive decline: Results of the prospective Three–City study. Alzheimer's and Dementia, 2021, 17, .	0.4	0