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	Long-term exposure to ambient air pollution and asthma symptom score in the CONSTANCES cohort. Thorax, 2023, 78, 9-15.	2.7	5
2	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
3	Association of transportation noise with sleep during the first year of life: A longitudinal study. Environmental Research, 2022, 203, 111776.	3.7	9
4	Residential greenness-related DNA methylation changes. Environment International, 2022, 158, 106945.	4.8	15
5	Occupational Exposure Assessment Tools in Europe: A Comprehensive Inventory Overview. Annals of Work Exposures and Health, 2022, 66, 671-686.	0.6	7
6	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
7	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
8	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
9	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
10	The association of road traffic noise with problem behaviour in adolescents: A cohort study. Environmental Research, 2022, 207, 112645.	3.7	12
11	Exposure to ambient air pollution and cognitive decline: Results of the prospective Three-City cohort study. Environment International, 2022, 161, 107118.	4.8	17
12	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
13	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
14	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
15	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
16	Association between Outdoor Air Pollution Exposure and Handgrip Strength: Findings from the French CONSTANCES Study. Environmental Health Perspectives, 2022, 130, 57701.	2.8	5
17	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
18	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

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19	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
20	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
21	Residential radon â€“ Comparative analysis of exposure models in Switzerland. Environmental Pollution, 2021, 271, 116356.	3.7	17
22	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
23	Modeling multi-level survival data in multi-center epidemiological cohort studies: Applications from the ELAPSE project. Environment International, 2021, 147, 106371.	4.8	19
24	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
25	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
26	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
27	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
28	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
29	Air pollution exposure and different dimensions of depression: findings from the French CONSTANCES cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
30	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
31	Longâ€term exposure to air pollution and liver cancer incidence in six European cohorts. International Journal of Cancer, 2021, 149, 1887-1897.	2.3	35
32	Cardiovascular disease mortality and transportation noise: relative and absolute excess risk by age and gender. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
33	A prospective cohort analysis of residential radon exposure and malignant melanoma mortality in the Swiss population. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
34	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
35	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
36	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

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37	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
38	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
39	Associations of air pollution and greenness with the nasal microbiota of healthy infants: A longitudinal study. Environmental Research, 2021, 202, 111633.	3.7	20
40	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
41	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
42	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
43	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	36
44	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
45	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. European Respiratory Journal, 2021, 57, 2003099.	3.1	40
46	Exposure to ambient air pollution and cognitive decline: Results of the prospective Threeâ€€city study. Alzheimer's and Dementia, 2021, 17, .	0.4	0
47	Transportation noise impairs cardiovascular function without altering sleep: The importance of autonomic arousals. Environmental Research, 2020, 182, 109086.	3.7	24
48	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
49	Incidence of depression in relation to transportation noise exposure and noise annoyance in the SAPALDIA study. Environment International, 2020, 144, 106014.	4.8	39
50	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
51	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
52	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
53	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
54	International Inventory of Occupational Exposure Information: OMEGA-NET. Annals of Work Exposures and Health, 2020, 64, 465-467.	0.6	7

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55	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
56	Ultradian modulation of cortical arousals during sleep: effects of age and exposure to nighttime transportation noise. Sleep, 2020, 43, .	0.6	6
57	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
58	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
59	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
60	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
61	Long-term exposure to atmospheric metals assessed by mosses and mortality in France. Environment International, 2019, 129, 145-153.	4.8	20
62	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
63	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
64	O3D.6â€…Inventory of occupational, industrial and population cohorts in switzerland. Occupational and Environmental Medicine, 2019, 76, A29.1-A29.	1.3	1
65	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
66	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
67	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
68	Sleep spindle characteristics and arousability from nighttime transportation noise exposure in healthy young and older individuals. Sleep, 2018, 41, .	0.6	23
69	Local- and regional-scale air pollution modelling (PM10) and exposure assessment for pregnancy trimesters, infancy, and childhood to age 15â€… years: Avon Longitudinal Study of Parents And Children (ALSPAC). Environment International, 2018, 113, 10-19.	4.8	20
70	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
71	Transportation noise exposure, noise annoyance and respiratory health in adults: A repeated-measures study. Environment International, 2018, 121, 741-750.	4.8	46
72	Glucocorticoid metabolites in newborns: A marker for traffic noise related stress?. Environment International, 2018, 117, 319-326.	4.8	11

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73	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
74	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
75	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
76	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
77	Response of cord blood cells to environmental, hereditary and perinatal factors: A prospective birth cohort study. PLoS ONE, 2018, 13, e0200236.	1.1	16
78	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
79	Risk factors for schistosomiasis in an urban area in northern CÃ´te dâ€™Ivoire. Infectious Diseases of Poverty, 2018, 7, 47.	1.5	26
80	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
81	Transportation noise exposure and cardiovascular mortality: a nationwide cohort study from Switzerland. European Journal of Epidemiology, 2017, 32, 307-315.	2.5	128
82	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
83	More than clean air and tranquillity: Residential green is independently associated with decreasing mortality. Environment International, 2017, 108, 176-184.	4.8	187
84	Prenatal and Postnatal Medical Conditions and the Risk of Brain Tumors in Children and Adolescents: An International Multicenter Caseâ€“Control Study. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 110-115.	1.1	7
85	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
86	Effects of Radon and UV Exposure on Skin Cancer Mortality in Switzerland. Environmental Health Perspectives, 2017, 125, 067009.	2.8	38
87	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
88	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
89	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
90	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

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91	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
92	Air pollution modelling for birth cohorts: a time-space regression model. Environmental Health, 2016, 15, 61.	1.7	19
93	Long-term transportation noise annoyance is associated with subsequent lower levels of physical activity. Environment International, 2016, 91, 341-349.	4.8	80
94	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
95	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
96	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
97	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
98	Development of an open-source road traffic noise model for exposure assessment. Environmental Modelling and Software, 2015, 74, 183-193.	1.9	97
99	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
100	Ambient Air Pollution and Adult Asthma Incidence in Six European Cohorts (ESCAPE). Environmental Health Perspectives, 2015, 123, 613-621.	2.8	197
101	The relationship between transportation noise exposure and ischemic heart disease: A meta-analysis. Environmental Research, 2015, 138, 372-380.	3.7	177
102	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
103	Reconstruction of historical noise exposure data for environmental epidemiology in Switzerland within the SiRENE project. Noise Mapping, 2014, 1, .	0.7	22
104	Performance of Multi-City Land Use Regression Models for Nitrogen Dioxide and Fine Particles. Environmental Health Perspectives, 2014, 122, 843-849.	2.8	61
105	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
106	Noise-related sleep disturbances: Does gender matter?. Noise and Health, 2014, 16, 197.	0.4	26
107	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
108	Development and Back-Extrapolation of NO₂ Land Use Regression Models for Historic Exposure Assessment in Great Britain. Environmental Science & Technology, 2013, 47, 7804-7811.	4.6	123

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109	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
110	Western European Land Use Regression Incorporating Satellite- and Ground-Based Measurements of NO₂ and PM₁₀. Environmental Science & Technology, 2013, 47, 13555-13564.	4.6	155
111	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
112	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
113	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
114	Home Outdoor NO2 and New Onset of Self-Reported Asthma in Adults. Epidemiology, 2009, 20, 119-126.	1.2	65
115	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