Francine Laden

List of Publications by Year
in descending order

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112	5,923	101496	79644
papers	citations	36 h-index	73 g-index

116	116	116	9080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reduction in Fine Particulate Air Pollution and Mortality. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 667-672.	2.5	1,204
2	Outdoor Particulate Matter Exposure and Lung Cancer: A Systematic Review and Meta-Analysis. Environmental Health Perspectives, 2014, 122, 906-911.	2.8	722
3	The relation between past exposure to fine particulate air pollution and prevalent anxiety: observational cohort study. BMJ, The, 2015, 350, h1111.	3.0	216
4	The COVID-19 pandemic and global environmental change: Emerging research needs. Environment International, 2021, 146, 106272.	4.8	157
5	Spatio-temporal modeling of particulate air pollution in the conterminous United States using geographic and meteorological predictors. Environmental Health, 2014, 13, 63.	1.7	149
6	Genome-wide association study identifies multiple susceptibility loci for diffuse large B cell lymphoma. Nature Genetics, 2014, 46, 1233-1238.	9.4	147
7	Effects of buffer size and shape on associations between the built environment and energy balance. Health and Place, 2014, 27, 162-170.	1.5	145
8	Total and Cause-Specific Mortality of U.S. Nurses Working Rotating Night Shifts. American Journal of Preventive Medicine, 2015, 48, 241-252.	1.6	139
9	Particulate Matter Air Pollution Exposure, Distance to Road, and Incident Lung Cancer in the Nursesâ€™ Health Study Cohort. Environmental Health Perspectives, 2014, 122, 926-932.	2.8	129
10	Long-term Ultraviolet Flux, Other Potential Risk Factors, and Skin Cancer Risk: A Cohort Study. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1080-1089.	1.1	122
11	â€œExposure Trackâ€â€”The Impact of Mobile-Device-Based Mobility Patterns on Quantifying Population Exposure to Air Pollution. Environmental Science & Technology, 2016, 50, 9671-9681.	4.6	119
12	Outdoor Light at Night and Breast Cancer Incidence in the Nursesâ€™ Health Study II. Environmental Health Perspectives, 2017, 125, 087010.	2.8	118
13	Emerging trends in geospatial artificial intelligence (geoAI): potential applications for environmental epidemiology. Environmental Health, 2018, 17, 40.	1.7	113
14	Outdoor Particulate Matter Exposure and Lung Cancer: A Systematic Review and Meta-Analysis. Environmental Health Perspectives, 0, , .	2.8	92
15	WHO Air Quality Guidelines 2021â€“Aiming for Healthier Air for all: A Joint Statement by Medical, Public Health, Scientific Societies and Patient Representative Organisations. International Journal of Public Health, 2021, 66, 1604465.	1.0	77
16	Residential greenness: current perspectives on its impact on maternal health and pregnancy outcomes. International Journal of Women's Health, 2017, Volume 9, 133-144.	1.1	76
17	Effect Modification of Longâ€Term Air Pollution Exposures and the Risk of Incident Cardiovascular Disease in US Women. Journal of the American Heart Association, 2015, 4, .	1.6	73
18	Greenness and Depression Incidence among Older Women. Environmental Health Perspectives, 2019, 127, 27001.	2.8	73

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19	Sex differences in the associations of obstructive sleep apnoea with epidemiological factors. European Respiratory Journal, 2018, 51, 1702421.	3.1	72
20	Tap Water Contributions to Plasma Concentrations of Poly- and Perfluoroalkyl Substances (PFAS) in a Nationwide Prospective Cohort of U.S. Women. Environmental Health Perspectives, 2019, 127, 67006.	2.8	72
21	The Association Between Natural Environments and Depressive Symptoms in Adolescents Living in the United States. Journal of Adolescent Health, 2018, 62, 488-495.	1.2	70
22	GPS-Based Exposure to Greenness and Walkability and Accelerometry-Based Physical Activity. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 525-532.	1.1	69
23	â€œSpatial Energeticsâ€• American Journal of Preventive Medicine, 2016, 51, 792-800.	1.6	66
24	Seasonal temperature variability and emergency hospital admissions for respiratory diseases: a population-based cohort study. Thorax, 2018, 73, 951-958.	2.7	65
25	The relationship between surrounding greenness in childhood and adolescence and depressive symptoms in adolescence and early adulthood. Annals of Epidemiology, 2018, 28, 213-219.	0.9	64
26	ENVIRONMENTAL RISK FACTORS AND FEMALE BREAST CANCER. Annual Review of Public Health, 1998, 19, 101-123.	7.6	63
27	Neighborhood Self-Selection: The Role of Pre-Move Health Factors on the Built and Socioeconomic Environment. International Journal of Environmental Research and Public Health, 2015, 12, 12489-12504.	1.2	62
28	Precision Prevention and Early Detection of Cancer: Fundamental Principles. Cancer Discovery, 2018, 8, 803-811.	7.7	62
29	Neighborhood Greenness Attenuates the Adverse Effect of PM2.5 on Cardiovascular Mortality in Neighborhoods of Lower Socioeconomic Status. International Journal of Environmental Research and Public Health, 2019, 16, 814.	1.2	59
30	Long-term Particulate Matter Exposures during Adulthood and Risk of Breast Cancer Incidence in the Nurses' Health Study II Prospective Cohort. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1274-1276.	1.1	55
31	Ambient PM2.5 air pollutionÂexposure and hepatocellular carcinoma incidence in the United States. Cancer Causes and Control, 2018, 29, 563-572.	0.8	55
32	Cardiovascular and stress responses to short-term noise exposuresâ€”A panel study in healthy males. Environmental Research, 2016, 150, 391-397.	3.7	54
33	Built Environment and Depression in Low-Income African Americans and Whites. American Journal of Preventive Medicine, 2017, 52, 74-84.	1.6	49
34	Roadway Proximity and Risk of Sudden Cardiac Death in Women. Circulation, 2014, 130, 1474-1482.	1.6	41
35	The relations between sleep, time of physical activity, and time outdoors among adult women. PLoS ONE, 2017, 12, e0182013.	1.1	41
36	Neighborhood walkability and particulate air pollution in a nationwide cohort of women. Environmental Research, 2015, 142, 703-711.	3.7	40

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37	Interaction between Long-Term Exposure to Fine Particulate Matter and Physical Activity, and Risk of Cardiovascular Disease and Overall Mortality in U.S. Women. Environmental Health Perspectives, 2020, 128, 127012.	2.8	40
38	Direct and Indirect Associations Between the Built Environment and Leisure and Utilitarian Walking in Older Women. Annals of Behavioral Medicine, 2017, 51, 282-291.	1.7	37
39	Case-crossover analysis of short-term particulate matter exposures and stroke in the health professionals follow-up study. Environment International, 2019, 124, 153-160.	4.8	35
40	Periconception air pollution, metabolomic biomarkers, and fertility among women undergoing assisted reproduction. Environment International, 2021, 155, 106666.	4.8	35
41	Spatiotemporal exposure modeling of ambient erythemal ultraviolet radiation. Environmental Health, 2016, 15, 111.	1.7	34
42	Circadian Misalignment and Hepatocellular Carcinoma Incidence in the United States. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 719-727.	1.1	32
43	Indoor black carbon and biomarkers of systemic inflammation and endothelial activation in COPD patients. Environmental Research, 2018, 165, 358-364.	3.7	32
44	Association of particulate matter air pollution with leukocyte mitochondrial DNA copy number. Environment International, 2020, 141, 105761.	4.8	32
45	Residential proximity to major roadways and traffic in relation to outcomes of in vitro fertilization. Environment International, 2018, 115, 239-246.	4.8	29
46	Using MapMyFitness to Place Physical Activity into Neighborhood Context. Frontiers in Public Health, 2014, 2, 19.	1.3	28
47	Indoor black carbon of outdoor origin and oxidative stress biomarkers in patients with chronic obstructive pulmonary disease. Environment International, 2018, 115, 188-195.	4.8	27
48	Dioxin exposure and breast cancer risk in a prospective cohort study. Environmental Research, 2020, 186, 109516.	3.7	26
49	Neighborhood walkability and physical activity among older women: Tests of mediation by environmental perceptions and moderation by depressive symptoms. Preventive Medicine, 2018, 116, 60-67.	1.6	25
50	Intake of fruits and vegetables by pesticide residue status in relation to cancer risk. Environment International, 2021, 156, 106744.	4.8	25
51	Geospatial and contextual approaches to energy balance and health. Annals of GIS, 2015, 21, 157-168.	1.4	24
52	Particulate matter exposures and adult-onset asthma and COPD in the Nurses' Health Study. European Respiratory Journal, 2016, 48, 921-924.	3.1	24
53	Particulate Matter and Traffic-Related Exposures in Relation to Breast Cancer Survival. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 751-759.	1.1	24
54	Short-Term Traffic-Related Exposures and Biomarkers of Nitro-PAH Exposure and Oxidative DNA Damage. Toxics, 2014, 2, 377-390.	1.6	22

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55	Environmental radon exposure and breast cancer risk in the Nursesâ€™ Health Study II. Environmental Health, 2017, 16, 97.	1.7	22
56	Intake of fruits and vegetables according to pesticide residue status in relation to all-cause and disease-specific mortality: Results from three prospective cohort studies. Environment International, 2022, 159, 107024.	4.8	22
57	Weather and triggering of ventricular arrhythmias in patients with implantable cardioverter-defibrillators. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 175-181.	1.8	20
58	Occupational vehicle-related particulate exposure and inflammatory markers in trucking industry workers. Environmental Research, 2016, 148, 310-317.	3.7	19
59	Dietary fat intake and risk of non-Hodgkin lymphoma in 2 large prospective cohorts. American Journal of Clinical Nutrition, 2017, 106, 650-656.	2.2	19
60	Residential particulate matter and distance to roadways in relation to mammographic density: results from the Nursesâ€™ Health Studies. Breast Cancer Research, 2017, 19, 124.	2.2	19
61	Exposure to PM2.5 during Pregnancy and Fetal Growth in Eastern Massachusetts, USA. Environmental Health Perspectives, 2022, 130, 17004.	2.8	19
62	Residential Green Space and Cognitive Function in a Large Cohort of Middle-Aged Women. JAMA Network Open, 2022, 5, e229306.	2.8	19
63	Exposure to Air Pollution and Particle Radioactivity With the Risk of Ventricular Arrhythmias. Circulation, 2020, 142, 858-867.	1.6	18
64	Impact of ambient temperature on ovarian reserve. Fertility and Sterility, 2021, 116, 1052-1060.	0.5	17
65	Race or racial segregation? Modification of the PM2.5 and cardiovascular mortality association. PLoS ONE, 2020, 15, e0236479.	1.1	16
66	Long-term exposure to particulate matter and roadway proximity with age at natural menopause in the Nursesâ€™ Health Study II Cohort. Environmental Pollution, 2021, 269, 116216.	3.7	14
67	Long-term aircraft noise exposure and risk of hypertension in the Nurses' Health Studies. Environmental Research, 2022, 207, 112195.	3.7	14
68	Short-term effects of particle gamma radiation activities on pulmonary function in COPD patients. Environmental Research, 2019, 175, 221-227.	3.7	13
69	Ambient air pollution and risk of pregnancy loss among women undergoing assisted reproduction. Environmental Research, 2020, 191, 110201.	3.7	13
70	Length of PM2.5 exposure and alterations in the serum metabolome among women undergoing infertility treatment. Environmental Epidemiology, 2022, 6, e191.	1.4	13
71	Spatial and temporal determinants of A-weighted and frequency specific sound levelsâ€”An elastic net approach. Environmental Research, 2017, 159, 491-499.	3.7	12
72	Latent profile analysis of accelerometer-measured sleep, physical activity, and sedentary time and differences in health characteristics in adult women. PLoS ONE, 2019, 14, e0218595.	1.1	12

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73	The influence of fine particulate matter on the association between residential greenness and ovarian reserve. Environmental Research, 2021, 197, 111162.	3.7	12
74	Estimating the Combined Effects of Natural and Built Environmental Exposures on Birthweight among Urban Residents in Massachusetts. International Journal of Environmental Research and Public Health, 2020, 17, 8805.	1.2	11
75	Contribution of socioeconomic and environmental factors to geographic disparities in breast cancer risk in the Nursesâ€™ Health Study II. Environmental Epidemiology, 2020, 4, e080.	1.4	11
76	Quantifying risk over the life course â€“ latency, ageâ€related susceptibility, and other timeâ€varying exposure metrics. Statistics in Medicine, 2016, 35, 2283-2295.	0.8	10
77	Ambient ultraviolet radiation exposure and hepatocellular carcinoma incidence in the United States. Environmental Health, 2017, 16, 89.	1.7	10
78	A cross-sectional study of secondhand smoke exposure and respiratory symptoms in non-current smokers in the U.S. trucking industry: SHS exposure and respiratory symptoms. BMC Public Health, 2013, 13, 93.	1.2	9
79	A prospective analysis of circulating saturated and monounsaturated fatty acids and risk of nonâ€Hodgkin lymphoma. International Journal of Cancer, 2018, 143, 1914-1922.	2.3	9
80	Emissions of dioxins and dioxin-like compounds and incidence of hepatocellular carcinoma in the United States. Environmental Research, 2022, 204, 112386.	3.7	9
81	Caseâ€“control study of brain and other central nervous system cancer among workers at semiconductor and storage device manufacturing facilities. Occupational and Environmental Medicine, 2020, 77, 238-248.	1.3	7
82	Dietary nitrate intake and vegetable consumption, ambient particulate matter, and risk of hypertension in the Nursesâ€™ Health study. Environment International, 2022, 161, 107100.	4.8	7
83	Methodological challenges in spatial and contextual exposome-health studies. Critical Reviews in Environmental Science and Technology, 2023, 53, 827-846.	6.6	7
84	Short-term exposures to particulate matter gamma radiation activities and biomarkers of systemic inflammation and endothelial activation in COPD patients. Environmental Research, 2020, 180, 108841.	3.7	6
85	Solar and geomagnetic activity enhance the effects of air pollutants on atrial fibrillation. Europace, 2022, 24, 713-720.	0.7	6
86	Factorial Invariance of the Abbreviated Neighborhood Environment Walkability Scale among Senior Women in the Nursesâ€™ Health Study Cohort. Measurement in Physical Education and Exercise Science, 2019, 23, 135-147.	1.3	5
87	Integrated molecular response of exposure to traffic-related pollutants in the US trucking industry. Environment International, 2022, 158, 106957.	4.8	5
88	Associations of long-term exposure to environmental noise and outdoor light at night with age at natural menopause in a US women cohort. Environmental Epidemiology, 2021, 5, e154.	1.4	4
89	Ultraviolet radiation and age at natural menopause in a nationwide, prospective US cohort. Environmental Research, 2022, 203, 111929.	3.7	4
90	Effects of particulate matter gamma radiation on oxidative stress biomarkers in COPD patients. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 727-735.	1.8	4

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91	Analysis of long- and medium-term particulate matter exposures and stroke in the US-based Health Professionals Follow-up Study. Environmental Epidemiology, 2021, 5, e178.	1.4	4
92	The immigrant birthweight paradox in an urban cohort: Role of immigrant enclaves and ambient air pollution. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 571-582.	1.8	3
93	Response to Grant, WB: â€œUltraviolet exposure and non-Hodgkinâ€™s lymphoma: beneficial and adverse effects?â€. Cancer Causes and Control, 2012, 23, 657-658.	0.8	2
94	EF-04â€…Association of ultraviolet-B radiation and risk of SLE among women in the nursesâ€™ health studies. , 2018, , .		1
95	The U.S. Environmental Protection Agency's Proposed Transparency Rule Threatens Health. Annals of Internal Medicine, 2019, 170, 197.	2.0	1
96	Racial Disparities in Associations between Neighborhood Demographic Polarization and Birth Weight. International Journal of Environmental Research and Public Health, 2020, 17, 3076.	1.2	1
97	Modeling the impact of exposure reductions using multi-stressor epidemiology, exposure models, and synthetic microdata: an application to birthweight in two environmental justice communities. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 442-453.	1.8	1
98	Ultraviolet radiation and age at natural menopause in a nationwide, prospective US cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	1
99	The Role of Immigrant Enclaves and Ambient Air Pollution Exposure in the Immigrant Birthweight Paradox. ISEE Conference Abstracts, 2021, 2021, .	0.0	1
100	The Characterization of Polycyclic Aromatic Hydrocarbons in Northeastern US Trucking Terminals. Annals of Work Exposures and Health, 2017, 61, 844-853.	0.6	0
101	0216 The Sleep Environment: Associations between Household-level Factors and Actigraphy-based Sleep Duration and Disruption in the Jackson Heart Sleep Study (JHSS). Sleep, 2019, 42, A89-A89.	0.6	0
102	Involvement of fine particulate matter exposure with gene expression pathways in breast tumor and adjacent-normal breast tissue. Environmental Research, 2020, 186, 109535.	3.7	0
103	Exposure to particulate matter air pollution and age of menarche in a nationwide cohort of US girls. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
104	Associations between nighttime aircraft noise exposure and insufficient sleep in the US-based prospective Nursesâ€™ Health Study cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
105	Environmental Cadmium Exposure and Odds of Residing in a Breast Cancer Hotspot in Kentucky. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
106	Associations between Air Pollution and County Level Cardiovascular Mortality in the United States by Ecoregions. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
107	Duration of PM2.5 exposure and alterations in the serum metabolome. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
108	Associations between minute-level smartphone GPS-derived exposure to greenness and consumer wearable-derived physical activity in the Nursesâ€™ Health Study 3. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

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109	Environmental exposures and anti-MÃ¼llerian hormone: a mixture analysis in the US based Nursesâ€™ Health Study II (NHSII). ISEE Conference Abstracts, 2021, 2021, .	0.0	0
110	Interaction between long-term coarse particulate matter exposure and physical activity in relation to overall and respiratory mortality in U.S. women. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
111	Exposure to PMâ„.â„... during pregnancy and ultrasound parameters of fetal growth in Massachusetts, USA. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
112	Invited Perspective: Diabetes and Road Traffic Noise at the Most and Least Exposed FaÃ§ade. Environmental Health Perspectives, 2021, 129, 121301.	2.8	0