Maria Foraster

List of Publications by Year
in descending order

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70 papers	4,347 citations	87723 38 h-index	106150 65 g-index
70 all docs	70 docs citations	70 times ranked	4855 citing authors

#	Article	IF	Citations
1	Association between Traffic-Related Air Pollution in Schools and Cognitive Development in Primary School Children: A Prospective Cohort Study. PLoS Medicine, 2015, 12, e1001792.	3.9	399
2	WHO Environmental Noise Guidelines for the European Region: A Systematic Review on Environmental Noise and Cardiovascular and Metabolic Effects: A Summary. International Journal of Environmental Research and Public Health, 2018, 15, 379.	1.2	356
3	Transportation Noise and Blood Pressure in a Population-Based Sample of Adults. Environmental Health Perspectives, 2012, 120, 50-55.	2.8	209
4	Urban and Transport Planning Related Exposures and Mortality: A Health Impact Assessment for Cities. Environmental Health Perspectives, 2017, 125, 89-96.	2.8	173
5	Effect of the number of measurement sites on land use regression models in estimating local air pollution. Atmospheric Environment, 2012, 54, 634-642.	1.9	144
6	Long-term exposure to ambient air pollution and traffic noise and incident hypertension in seven cohorts of the European study of cohorts for air pollution effects (ESCAPE). European Heart Journal, 2017, 38, ehw413.	1.0	128
7	Transportation noise exposure and cardiovascular mortality: a nationwide cohort study from Switzerland. European Journal of Epidemiology, 2017, 32, 307-315.	2.5	128
8	Residential Proximity to Major Roads and Term Low Birth Weight. Epidemiology, 2014, 25, 518-525.	1.2	122
9	Traffic-Related Air Pollution, Noise at School, and Behavioral Problems in Barcelona Schoolchildren: A Cross-Sectional Study. Environmental Health Perspectives, 2016, 124, 529-535.	2.8	122
10	Arterial Blood Pressure and Long-Term Exposure to Traffic-Related Air Pollution: An Analysis in the European Study of Cohorts for Air Pollution Effects (ESCAPE). Environmental Health Perspectives, 2014, 122, 896-905.	2.8	112
11	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
12	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
13	High Blood Pressure and Long-Term Exposure to Indoor Noise and Air Pollution from Road Traffic. Environmental Health Perspectives, 2014, 122, 1193-1200.	2.8	100
14	Spatial distribution of ultrafine particles in urban settings: A land use regression model. Atmospheric Environment, 2012, 54, 657-666.	1.9	95
15	Long-Term Exposure to Ambient Air Pollution and Metabolic Syndrome in Adults. PLoS ONE, 2015, 10, e0130337.	1.1	91
16	Health impacts related to urban and transport planning: A burden of disease assessment. Environment International, 2017, 107, 243-257.	4.8	90
17	Association between noise exposure and diabetes: A systematic review and meta-analysis. Environmental Research, 2018, 166, 647-657.	3.7	89
18	Local determinants of road traffic noise levels versus determinants of air pollution levels in a Mediterranean city. Environmental Research, 2011, 111, 177-183.	3.7	85

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19	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
20	Long-term transportation noise annoyance is associated with subsequent lower levels of physical activity. Environment International, 2016, 91, 341-349.	4.8	80
21	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
22	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
23	Association of Long-Term Exposure to Traffic-Related Air Pollution with Blood Pressure and Hypertension in an Adult Populationâ€“Based Cohort in Spain (the REGICOR Study). Environmental Health Perspectives, 2014, 122, 404-411.	2.8	72
24	Air Pollution, Noise, Blue Space, and Green Space and Premature Mortality in Barcelona: A Mega Cohort. International Journal of Environmental Research and Public Health, 2018, 15, 2405.	1.2	72
25	Air Pollution and Atherosclerosis: A Cross-Sectional Analysis of FourEuropean Cohort Studies in the ESCAPE Study. Environmental Health Perspectives, 2015, 123, 597-605.	2.8	66
26	Estimated effects of air pollution and space-time-activity on cardiopulmonary outcomes in healthy adults: A repeated measures study. Environment International, 2018, 111, 247-259.	4.8	66
27	Using Personal Sensors to Assess the Exposome and Acute Health Effects. International Journal of Environmental Research and Public Health, 2014, 11, 7805-7819.	1.2	65
28	Application of land use regression modelling to assess the spatial distribution of road traffic noise in three European cities. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 97-105.	1.8	62
29	Measurement Error in Epidemiologic Studies of Air Pollution Based on Land-Use Regression Models. American Journal of Epidemiology, 2013, 178, 1342-1346.	1.6	57
30	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
31	Socioeconomic inequalities in urban and transport planning related exposures and mortality: A health impact assessment study for Bradford, UK. Environment International, 2018, 121, 931-941.	4.8	55
32	Association between Long-Term Exposure to Traffic-Related Air Pollution and Subclinical Atherosclerosis: The REGICOR Study. Environmental Health Perspectives, 2013, 121, 223-230.	2.8	53
33	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
34	Impact of traffic-related air pollution on acute changes in cardiac autonomic modulation during rest and physical activity: a cross-over study. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 133-140.	1.8	46
35	Socio-environmental correlates of physical activity in patients with chronic obstructive pulmonary disease (COPD). Thorax, 2017, 72, 796-802.	2.7	46
36	Transportation noise exposure, noise annoyance and respiratory health in adults: A repeated-measures study. Environment International, 2018, 121, 741-750.	4.8	46

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37	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
38	Spatio-temporal variation of urban ultrafine particle number concentrations. Atmospheric Environment, 2014, 96, 275-283.	1.9	41
39	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
40	Incidence of depression in relation to transportation noise exposure and noise annoyance in the SAPALDIA study. Environment International, 2020, 144, 106014.	4.8	39
41	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
42	Is it traffic-related air pollution or road traffic noise, or both? Key questions not yet settled!. International Journal of Public Health, 2013, 58, 647-648.	1.0	35
43	Monitoring of heavy metal concentrations in home outdoor air using moss bags. Environmental Pollution, 2011, 159, 954-962.	3.7	31
44	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
45	Impact of road traffic noise on annoyance and preventable mortality in European cities: A health impact assessment. Environment International, 2022, 162, 107160.	4.8	27
46	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
47	Transportation noise impairs cardiovascular function without altering sleep: The importance of autonomic arousals. Environmental Research, 2020, 182, 109086.	3.7	24
48	Sleep spindle characteristics and arousability from nighttime transportation noise exposure in healthy young and older individuals. Sleep, 2018, 41, .	0.6	23
49	The independent association of source-specific transportation noise exposure, noise annoyance and noise sensitivity with health-related quality of life. Environment International, 2020, 143, 105960.	4.8	21
50	Long-Term Greenspace Exposure and Progression of Arterial Stiffness: The Whitehall II Cohort Study. Environmental Health Perspectives, 2020, 128, 67014.	2.8	20
51	Urban-Related Environmental Exposures during Pregnancy and Placental Development and Preeclampsia: a Review. Current Hypertension Reports, 2020, 22, 81.	1.5	15
52	Environmental noise exposure and emotional, aggressive, and attention-deficit/hyperactivity disorder-related symptoms in children from two European birth cohorts. Environment International, 2022, 158, 106946.	4.8	12
53	Evaluation of the CALIOPE air quality forecasting system for epidemiological research: The example of NO2 in the province of Girona (Spain). Atmospheric Environment, 2013, 72, 134-141.	1.9	11
54	Exposure to traffic-related air pollution and noise during pregnancy and childhood, and functional brain connectivity in preadolescents. Environment International, 2022, 164, 107275.	4.8	11

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55	Exposure to road traffic noise and cognitive development in schoolchildren in Barcelona, Spain: A population-based cohort study. PLoS Medicine, 2022, 19, e1004001.	3.9	10
56	Annoyance Caused by Noise and Air Pollution during Pregnancy: Associated Factors and Correlation with Outdoor NO2 and Benzene Estimations. International Journal of Environmental Research and Public Health, 2015, 12, 7044-7058.	1.2	9
57	Perceptual evaluation of the citizenâ€™s acoustic environment from classic noise monitoring. Cities and Health, 2021, 5, 145-149.	1.6	8
58	Roles of the physical environment in health-related quality of life in patients with chronic obstructive pulmonary disease. Environmental Research, 2022, 203, 111828.	3.7	8
59	Sons al balcÃ³: Soundscape Map of the Confinement in Catalonia. , 0, , .		7
60	Ultradian modulation of cortical arousals during sleep: effects of age and exposure to nighttime transportation noise. Sleep, 2020, 43, .	0.6	6
61	Transport, noise, and health. , 2020, , 105-131.		6
62	Multilevel Annoyance Modelling of Short Environmental Sound Recordings. Sustainability, 2021, 13, 5779.	1.6	6
63	Noise Annoyance in Urban Life: The Citizen as a Key Point of the Directives. Proceedings (mdpi), 2019, 6, 1.	0.2	5
64	Short-term effect of air pollution on attention function in adolescents (ATENC!Ã“): A randomized controlled trial in high schools in Barcelona, Spain. Environment International, 2021, 156, 106614.	4.8	4
65	Impact of the COVID-19 Pandemic on Maternal Well-Being during Pregnancy. Journal of Clinical Medicine, 2022, 11, 2212.	1.0	3
66	A study on exposure to greenspace during pregnancy and lipid profile in cord blood samples. Environmental Research, 2022, 214, 113732.	3.7	2
67	The Association between Air Pollution and Subclinical Atherosclerosis: Rivera et al. Respond. Environmental Health Perspectives, 2014, 122, A8-9.	2.8	1
68	Sons al BalcÃ³, a Citizen Science Approach to Map the Soundscape of Catalonia. , 2021, 10, .		1
69	Mobility and COVID-19: Time for a Mobility Paradigm Shift. Urban Health and Wellbeing, 2021, , 29-37.	0.3	0
70	Prenatal exposure to greenspace and cord blood lipid levels: a cross-sectional study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0