

Johanna Lepeule

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

5,434
citations

126708

33
h-index

88477

70
g-index

96
all docs

96
docs citations

96
times ranked

8588
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Exposure to Fine Particles and Mortality: An Extended Follow-up of the Harvard Six Cities Study from 1974 to 2009. <i>Environmental Health Perspectives</i> , 2012, 120, 965-970.	2.8	767
2	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016, 98, 680-696.	2.6	717
3	Ambient air pollution and low birthweight: a European cohort study (ESCAPE). <i>Lancet Respiratory Medicine</i> , 2013, 1, 695-704.	5.2	464
4	Maternal Exposure to Particulate Air Pollution and Term Birth Weight: A Multi-Country Evaluation of Effect and Heterogeneity. <i>Environmental Health Perspectives</i> , 2013, 121, 267-373.	2.8	339
5	LFMM 2: Fast and Accurate Inference of Gene-Environment Associations in Genome-Wide Studies. <i>Molecular Biology and Evolution</i> , 2019, 36, 852-860.	3.5	183
6	Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO ₂ Air Pollution Exposure. <i>Environmental Health Perspectives</i> , 2017, 125, 104-110.	2.8	176
7	Air pollution and gene-specific methylation in the Normative Aging Study. <i>Epigenetics</i> , 2014, 9, 448-458.	1.3	159
8	Development of West-European PM 2.5 and NO ₂ land use regression models incorporating satellite-derived and chemical transport modelling data. <i>Environmental Research</i> , 2016, 151, 1-10.	3.7	145
9	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019, 127, 57012.	2.8	111
10	Epigenetic Influences on Associations between Air Pollutants and Lung Function in Elderly Men: The Normative Aging Study. <i>Environmental Health Perspectives</i> , 2014, 122, 566-572.	2.8	97
11	Pregnancy exposure to atmospheric pollution and meteorological conditions and placental DNA methylation. <i>Environment International</i> , 2018, 118, 334-347.	4.8	93
12	The LifeCycle Project-EU Child Cohort Network: a federated analysis infrastructure and harmonized data of more than 250,000 children and parents. <i>European Journal of Epidemiology</i> , 2020, 35, 709-724.	2.5	81
13	The Urban Exposome during Pregnancy and Its Socioeconomic Determinants. <i>Environmental Health Perspectives</i> , 2018, 126, 077005.	2.8	77
14	Prenatal Exposure to Select Phthalates and Phenols and Associations with Fetal and Placental Weight among Male Births in the EDEN Cohort (France). <i>Environmental Health Perspectives</i> , 2019, 127, 17002.	2.8	77
15	Long-Term Effects of Traffic Particles on Lung Function Decline in the Elderly. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 542-548.	2.5	74
16	Short-Term Impact of Atmospheric Pollution on Fecundability. <i>Epidemiology</i> , 2013, 24, 871-879.	1.2	71
17	Association of growth, feeding practices and exercise conditions with the prevalence of Developmental Orthopaedic Disease in limbs of French foals at weaning. <i>Preventive Veterinary Medicine</i> , 2009, 89, 167-177.	0.7	68
18	Roadmap for investigating epigenome deregulation and environmental origins of cancer. <i>International Journal of Cancer</i> , 2018, 142, 874-882.	2.3	64

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19	Lung function association with outdoor temperature and relative humidity and its interaction with air pollution in the elderly. <i>Environmental Research</i> , 2018, 165, 110-117.	3.7	62
20	Health effects of ambient air pollution: Do different methods for estimating exposure lead to different results?. <i>Environment International</i> , 2014, 66, 165-173.	4.8	59
21	Short-term Impact of Ambient Air Pollution and Air Temperature on Blood Pressure Among Pregnant Women. <i>Epidemiology</i> , 2011, 22, 671-679.	1.2	56
22	Exposure to heavy metals during pregnancy related to gestational diabetes mellitus in diabetes-free mothers. <i>Science of the Total Environment</i> , 2019, 656, 870-876.	3.9	55
23	Analysis of multicentre epidemiological studies: contrasting fixed or random effects modelling and meta-analysis. <i>International Journal of Epidemiology</i> , 2018, 47, 1343-1354.	0.9	52
24	Prenatal and postnatal exposure to air pollution and emotional and aggressive symptoms in children from 8 European birth cohorts. <i>Environment International</i> , 2019, 131, 104927.	4.8	51
25	The International Collaboration on Air Pollution and Pregnancy Outcomes: Initial Results. <i>Environmental Health Perspectives</i> , 2011, 119, 1023-1028.	2.8	50
26	Gene promoter methylation is associated with lung function in the elderly: The normative aging study. <i>Epigenetics</i> , 2012, 7, 261-269.	1.3	50
27	Estimation of exposure to atmospheric pollutants during pregnancy integrating space-time activity and indoor air levels: Does it make a difference?. <i>Environment International</i> , 2015, 84, 161-173.	4.8	47
28	The early-life exposome and epigenetic age acceleration in children. <i>Environment International</i> , 2021, 155, 106683.	4.8	47
29	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. <i>Genome Medicine</i> , 2020, 12, 105.	3.6	41
30	Placental DNA methylation signatures of maternal smoking during pregnancy and potential impacts on fetal growth. <i>Nature Communications</i> , 2021, 12, 5095.	5.8	41
31	Obesity is associated with shorter telomeres in 8 year-old children. <i>Scientific Reports</i> , 2019, 9, 18739.	1.6	40
32	Pregnancy exposure to atmospheric pollutants and placental weight: An approach relying on a dispersion model. <i>Environment International</i> , 2012, 48, 47-55.	4.8	37
33	Epigenetic Alterations of Maternal Tobacco Smoking during Pregnancy: A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5083.	1.2	36
34	The Influence of Meteorological Factors and Atmospheric Pollutants on the Risk of Preterm Birth. <i>American Journal of Epidemiology</i> , 2017, 185, 247-258.	1.6	35
35	Deciphering the Impact of Early-Life Exposures to Highly Variable Environmental Factors on Foetal and Child Health: Design of SEPAGES Couple-Child Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3888.	1.2	35
36	Impact of Geocoding Methods on Associations between Long-term Exposure to Urban Air Pollution and Lung Function. <i>Environmental Health Perspectives</i> , 2013, 121, 1054-1060.	2.8	34

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37	Chronic effects of air pollution on lung function after lung transplantation in the Systems prediction of Chronic Lung Allograft Dysfunction (SysCLAD) study. <i>European Respiratory Journal</i> , 2017, 49, 1600206.	3.1	34
38	Prenatal and Childhood Traffic-Related Air Pollution Exposure and Telomere Length in European Children: The HELIX Project. <i>Environmental Health Perspectives</i> , 2019, 127, 87001.	2.8	32
39	Association of growth, feeding practices and exercise conditions with the severity of the osteoarticular status of limbs in French foals. <i>Veterinary Journal</i> , 2013, 197, 65-71.	0.6	30
40	Modelling spatio-temporally resolved air temperature across the complex geo-climate area of France using satellite-derived land surface temperature data. <i>International Journal of Climatology</i> , 2017, 37, 296-304.	1.5	30
41	A multi-resolution air temperature model for France from MODIS and Landsat thermal data. <i>Environmental Research</i> , 2020, 183, 109244.	3.7	30
42	Radiographic findings of juvenile osteochondral conditions detected in 392 foals using a field radiographic protocol. <i>Veterinary Journal</i> , 2013, 197, 44-51.	0.6	29
43	Urban environment and cognitive and motor function in children from four European birth cohorts. <i>Environment International</i> , 2022, 158, 106933.	4.8	28
44	Identification of autosomal cis expression quantitative trait methylation (cis eQTM) in children's blood. <i>ELife</i> , 2022, 11, .	2.8	28
45	The fraction of lung cancer incidence attributable to fine particulate air pollution in France: Impact of spatial resolution of air pollution models. <i>Environment International</i> , 2018, 121, 1079-1086.	4.8	27
46	Maternal Exposure to Nitrogen Dioxide during Pregnancy and Offspring Birth Weight: Comparison of Two Exposure Models. <i>Environmental Health Perspectives</i> , 2010, 118, 1483-1489.	2.8	25
47	The Effect of Older Siblings on Language Development as a Function of Age Difference and Sex. <i>Psychological Science</i> , 2019, 30, 1333-1343.	1.8	25
48	Immediate and durable effects of maternal tobacco consumption alter placental DNA methylation in enhancer and imprinted gene-containing regions. <i>BMC Medicine</i> , 2020, 18, 306.	2.3	24
49	Pregnancy exposure to synthetic phenols and placental DNA methylation – An epigenome-wide association study in male infants from the EDEN cohort. <i>Environmental Pollution</i> , 2021, 290, 118024.	3.7	24
50	Meta-analysis of epigenome-wide association studies in newborns and children show widespread sex differences in blood DNA methylation. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108415.	2.4	24
51	In utero and childhood exposure to tobacco smoke and multi-layer molecular signatures in children. <i>BMC Medicine</i> , 2020, 18, 243.	2.3	22
52	Challenges Raised by Mediation Analysis in a High-Dimension Setting. <i>Environmental Health Perspectives</i> , 2020, 128, 55001.	2.8	22
53	Long-term exposure to black carbon, cognition and single nucleotide polymorphisms in microRNA processing genes in older men. <i>Environment International</i> , 2016, 88, 86-93.	4.8	21
54	Pregnancy exposure to phthalates and DNA methylation in male placenta – An epigenome-wide association study. <i>Environment International</i> , 2022, 160, 107054.	4.8	21

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55	Maternal nutritional determinants of colostrum fatty acids in the EDEN mother-child cohort. <i>Clinical Nutrition</i> , 2018, 37, 2127-2136.	2.3	20
56	Term birthweight and critical windows of prenatal exposure to average meteorological conditions and meteorological variability. <i>Environment International</i> , 2020, 142, 105847.	4.8	20
57	Maternal fine particulate matter exposure, polymorphism in xenobiotic-metabolizing genes and offspring birth weight. <i>Reproductive Toxicology</i> , 2010, 30, 600-612.	1.3	19
58	Developmental trajectories of motor skills during the preschool period. <i>European Child and Adolescent Psychiatry</i> , 2019, 28, 1461-1474.	2.8	19
59	Domain-specific physical activity and sedentary behavior during pregnancy and postpartum depression risk in the French EDEN and ELFE cohorts. <i>Preventive Medicine</i> , 2019, 121, 33-39.	1.6	19
60	A reliable severity scoring system for radiographic findings in the limbs of young horses. <i>Veterinary Journal</i> , 2013, 197, 52-57.	0.6	18
61	Study design for the investigation of likely aetiological factors of juvenile osteochondral conditions (JOCC) in foals and yearlings. <i>Veterinary Journal</i> , 2013, 197, 36-43.	0.6	18
62	The effect of oxidative stress polymorphisms on the association between long-term black carbon exposure and lung function among elderly men. <i>Thorax</i> , 2015, 70, 133-137.	2.7	18
63	Is atmospheric pollution exposure during pregnancy associated with individual and contextual characteristics? A nationwide study in France. <i>Journal of Epidemiology and Community Health</i> , 2017, 71, 1026-1036.	2.0	18
64	Survival Analysis to Estimate Association between Short-Term Mortality and Air Pollution. <i>Environmental Health Perspectives</i> , 2006, 114, 242-247.	2.8	17
65	Does consideration of larger study areas yield more accurate estimates of air pollution health effects? An illustration of the bias-variance trade-off in air pollution epidemiology. <i>Environment International</i> , 2013, 60, 23-30.	4.8	15
66	Risk factors for the presence and extent of Developmental Orthopaedic Disease in the limbs of young horses: Insights from a count model. <i>Preventive Veterinary Medicine</i> , 2011, 101, 96-106.	0.7	14
67	Profile of exposures and lung function in adults with asthma: An exposome approach in the EGEA study. <i>Environmental Research</i> , 2021, 196, 110422.	3.7	14
68	Developmental orthopaedic disease in limbs of foals: between-breed variations in the prevalence, location and severity at weaning. <i>Animal</i> , 2008, 2, 284-291.	1.3	13
69	Cord-blood vitamin D level and night sleep duration in preschoolers in the EDEN mother-child birth cohort. <i>Sleep Medicine</i> , 2019, 53, 70-74.	0.8	11
70	Gaussian Markov random fields improve ensemble predictions of daily 1Åkm PM2.5 and PM10 across France. <i>Atmospheric Environment</i> , 2021, 264, 118693.	1.9	11
71	Urban environment and health behaviours in children from six European countries. <i>Environment International</i> , 2022, 165, 107319.	4.8	11
72	Monthly analysis of PM ratio characteristics and its relation to AOD. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 27-38.	0.9	10

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73	Association between dietary patterns reflecting one-carbon metabolism nutrients intake before pregnancy and placental DNA methylation. <i>Epigenetics</i> , 2022, 17, 715-730.	1.3	9
74	Air pollution modeling and exposure assessment during pregnancy in the French Longitudinal Study of Children (ELFE). <i>Atmospheric Environment</i> , 2019, 205, 103-114.	1.9	7
75	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases. <i>Environmental Epidemiology</i> , 2022, 6, e184.	1.4	6
76	The early-life exposome modulates the effect of polymorphic inversions on DNA methylation. <i>Communications Biology</i> , 2022, 5, 455.	2.0	6
77	Is Ambient PM _{2.5} Sulfate Harmful? Schwartz and Lepeule Respond. <i>Environmental Health Perspectives</i> , 2012, 120, .	2.8	5
78	Short- and medium-term air pollution exposure, plasmatic protein levels and blood pressure in children. <i>Environmental Research</i> , 2022, 211, 113109.	3.7	5
79	Maternal Ambient Exposure to Atmospheric Pollutants during Pregnancy and Offspring Term Birth Weight in the Nationwide ELFE Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5806.	1.2	4
80	Performance of approaches relying on multidimensional intermediary data to decipher causal relationships between the exposome and health: A simulation study under various causal structures. <i>Environment International</i> , 2021, 153, 106509.	4.8	4
81	Sparse latent factor regression models for genome-wide and epigenome-wide association studies. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2022, 21, .	0.2	4
82	ESTIMATION OF EXPOSURE TO URBAN AIR POLLUTION IN TWO CITIES USING A GAUSSIAN DISPERSION MODEL: THE EDEN-AIR PROJECT. <i>ISEE Conference Abstracts</i> , 2011, 2011, .	0.0	2
83	Maternal Exposure to Urban Air Pollution During Pregnancy Assessed by a Dispersion Model and Fetal Growth. <i>Epidemiology</i> , 2011, 22, S121.	1.2	2
84	Study of the Combined Effect of Maternal Tobacco Smoking and Polygenic Risk Scores on Birth Weight and Body Mass Index in Childhood. <i>Frontiers in Genetics</i> , 2022, 13, .	1.1	1
85	Cox Models: Lepeule et al. Respond. <i>Environmental Health Perspectives</i> , 2006, 114, .	2.8	0
86	Association Between Short Term Variations in Atmospheric Pollutants TM Levels and the Couples TM Fecundability. <i>Epidemiology</i> , 2009, 20, S86.	1.2	0
87	Pregnancy exposure to phthalates and placental DNA methylation in the French EDEN cohort. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
88	Cox Models: Lepeule et al. Respond. <i>Environmental Health Perspectives</i> , 2006, 114, A691-A691.	2.8	0
89	An Overview of Recent Publications and Current Issues on Air Pollution and Pregnancy Outcomes. <i>Epidemiology</i> , 2009, 20, S259.	1.2	0