

# Tim S Nawrot

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4111384/tim-s-nawrot-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

316  
papers

12,769  
citations

59  
h-index

101  
g-index

332  
ext. papers

15,526  
ext. citations

8  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
3 <sup>16</sup>	Maternal Glycemic Dysregulation During Pregnancy and Neonatal Blood DNA Methylation: Meta-analyses of Epigenome-Wide Association Studies.. <i>Diabetes Care</i> , <b>2022</b> ,	14.6	4
3 <sup>15</sup>	The EXIMIOUS project-Mapping exposure-induced immune effects: connecting the exposome and the immunome.. <i>Environmental Epidemiology</i> , <b>2022</b> , 6, e193	0.2	2
3 <sup>14</sup>	Early life exposure to residential green space impacts cognitive functioning in children aged 4 to 6 years.. <i>Environment International</i> , <b>2022</b> , 161, 107094	12.9	1
3 <sup>13</sup>	Residential green space is associated with a buffering effect on stress responses during the COVID-19 pandemic in mothers of young children, a prospective study.. <i>Environmental Research</i> , <b>2022</b> , 208, 112603	7.9	2
3 <sup>12</sup>	Adverse Effects of fine particulate matter on human kidney functioning: a systematic review.. <i>Environmental Health</i> , <b>2022</b> , 21, 24	6	0
3 <sup>11</sup>	Mapping abundance distributions of allergenic tree species in urbanized landscapes: A nation-wide study for Belgium using forest inventory and citizen science data. <i>Landscape and Urban Planning</i> , <b>2022</b> , 218, 104286	7.7	0
3 <sup>10</sup>	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. <i>Science of the Total Environment</i> , <b>2022</b> , 804, 150091	10.2	5
3 <sup>09</sup>	Air pollution in association with mental and self-rated health and the mediating effect of physical activity.. <i>Environmental Health</i> , <b>2022</b> , 21, 29	6	3
3 <sup>08</sup>	Indoor green can modify the indoor dust microbial communities.. <i>Indoor Air</i> , <b>2022</b> , 32, e13011	5.4	0
3 <sup>07</sup>	Validity of self-reported air pollution annoyance to assess long-term exposure to air pollutants in Belgium.. <i>Environmental Research</i> , <b>2022</b> , 113014	7.9	0
3 <sup>06</sup>	Residential green space and mental health-related prescription medication sales: An ecological study in Belgium.. <i>Environmental Research</i> , <b>2022</b> , 113056	7.9	3
3 <sup>05</sup>	Urinary CC16, a potential indicator of lung integrity and inflammation, increases in children after short-term exposure to PM/PM and is driven by the CC16 38 GG genotype.. <i>Environmental Research</i> , <b>2022</b> , 113272	7.9	0
3 <sup>04</sup>	Residential Exposure to Urban Trees and Medication Sales for Mood Disorders and Cardiovascular Disease in Brussels, Belgium: An Ecological Study.. <i>Environmental Health Perspectives</i> , <b>2022</b> , 130, 57003	8.4	1
3 <sup>03</sup>	Higher buccal mtDNA content is associated with residential surrounding green in a panel study of primary school children. <i>Environmental Research</i> , <b>2022</b> , 113551	7.9	0
3 <sup>02</sup>	Higher surrounding green space is associated with better attention in Flemish adolescents.. <i>Environment International</i> , <b>2021</b> , 159, 107016	12.9	1
3 <sup>01</sup>	Introducing nature at the work floor: A nature-based intervention to reduce stress and improve cognitive performance. <i>International Journal of Hygiene and Environmental Health</i> , <b>2021</b> , 240, 113884	6.9	0
3 <sup>00</sup>	Perspectives and challenges of epigenetic determinants of childhood obesity: A systematic review. <i>Obesity Reviews</i> , <b>2021</b> , e13389	10.6	2

299	Determinants of Chronic Biological Stress, Measured as Hair Cortisol Concentration, in a General Population of Adolescents: From Individual and Household Characteristics to Neighborhood Urbanicity. <i>Frontiers in Public Health</i> , <b>2021</b> , 9, 669022	6	0
298	Determinants of carbon load in airway macrophages in pregnant women.. <i>Environmental Pollution</i> , <b>2021</b> , 118765	9.3	
297	Prenatal exposure to phthalates and phenols and preclinical vascular health during early adolescence.. <i>International Journal of Hygiene and Environmental Health</i> , <b>2021</b> , 240, 113909	6.9	2
296	Glyphosate and AMPA exposure in relation to markers of biological aging in an adult population-based study. <i>International Journal of Hygiene and Environmental Health</i> , <b>2021</b> , 240, 113895	6.9	1
295	Urinary Polycyclic Aromatic Hydrocarbon Metabolites Are Associated with Biomarkers of Chronic Endocrine Stress, Oxidative Stress, and Inflammation in Adolescents: FLEHS-4 (2016-2020). <i>Toxics</i> , <b>2021</b> , 9,	4.7	3
294	High temperatures trigger suicide mortality in Brussels, Belgium: A case-crossover study (2002-2011). <i>Environmental Research</i> , <b>2021</b> , 112159	7.9	0
293	Two-year neurocognitive responses to first occupational lead exposure. <i>Scandinavian Journal of Work, Environment and Health</i> , <b>2021</b> , 47, 233-243	4.3	1
292	Telomere length and outcome of treatment for pulmonary tuberculosis in a gold mining community. <i>Scientific Reports</i> , <b>2021</b> , 11, 4031	4.9	3
291	Hallmarks of environmental insults. <i>Cell</i> , <b>2021</b> , 184, 1455-1468	56.2	52
290	Residing in urban areas with higher green space is associated with lower mortality risk: A census-based cohort study with ten years of follow-up. <i>Environment International</i> , <b>2021</b> , 148, 106365	12.9	19
289	Participant Experiences in a Human Biomonitoring Study: Follow-Up Interviews with Participants of the Flemish Environment and Health Study. <i>Toxics</i> , <b>2021</b> , 9,	4.7	1
288	Cord blood acrylamide levels and birth size, and interactions with genetic variants in acrylamide-metabolising genes. <i>Environmental Health</i> , <b>2021</b> , 20, 35	6	3
287	Association between urban environment and mental health in Brussels, Belgium. <i>BMC Public Health</i> , <b>2021</b> , 21, 635	4.1	9
286	Acute and chronic exposure to air pollution in relation with incidence, prevalence, severity and mortality of COVID-19: a rapid systematic review. <i>Environmental Health</i> , <b>2021</b> , 20, 41	6	16
285	Label-free detection of uptake, accumulation, and translocation of diesel exhaust particles in ex vivo perfused human placenta. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 144	9.4	2
284	Residential green space types, allergy symptoms and mental health in a cohort of tree pollen allergy patients. <i>Landscape and Urban Planning</i> , <b>2021</b> , 210, 104070	7.7	2
283	Maternal Vitamin D and Newborn Telomere Length. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
282	Serum gamma-glutamyl transferase, a marker of alcohol intake, is associated with telomere length and cardiometabolic risk in young adulthood. <i>Scientific Reports</i> , <b>2021</b> , 11, 12407	4.9	2

281	Different epigenetic signatures of newborn telomere length and telomere attrition rate in early life. <i>Aging</i> , <b>2021</b> , 13, 14630-14650	5.6	3
280	Glomerular function in relation to fine airborne particulate matter in a representative population sample. <i>Scientific Reports</i> , <b>2021</b> , 11, 14646	4.9	1
279	Cord blood metabolic signatures predictive of childhood overweight and rapid growth. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 2252-2260	5.5	6
278	Mitochondrial DNA methylation in placental tissue: a proof of concept study by means of prenatal environmental stressors. <i>Epigenetics</i> , <b>2021</b> , 16, 121-131	5.7	11
277	Genome-wide microRNA expression analysis in human placenta reveals sex-specific patterns: an ENVIRAGE birth cohort study. <i>Epigenetics</i> , <b>2021</b> , 16, 373-388	5.7	5
276	Tree pollen allergy risks and changes across scenarios in urban green spaces in Brussels, Belgium. <i>Landscape and Urban Planning</i> , <b>2021</b> , 207, 104001	7.7	14
275	Residential air pollution increases the risk for persistent pulmonary hypertension after pulmonary endarterectomy. <i>European Respiratory Journal</i> , <b>2021</b> , 57,	13.6	0
274	Newborn telomere length predicts later life telomere length: Tracking telomere length from birth to child- and adulthood. <i>EBioMedicine</i> , <b>2021</b> , 63, 103164	8.8	16
273	Denser Retinal Microvascular Network Is Inversely Associated With Behavioral Outcomes and Sustained Attention in Children. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 547033	4.1	1
272	Ambient air pollution exposure during the late gestational period is linked with lower placental iodine load in a Belgian birth cohort. <i>Environment International</i> , <b>2021</b> , 147, 106334	12.9	3
271	Exposure levels, determinants and risk assessment of organophosphate flame retardants and plasticizers in adolescents (14-15 years) from the Flemish Environment and Health Study. <i>Environment International</i> , <b>2021</b> , 147, 106368	12.9	5
270	Lower iodine storage in the placenta is associated with gestational diabetes mellitus. <i>BMC Medicine</i> , <b>2021</b> , 19, 47	11.4	2
269	Child buccal telomere length and mitochondrial DNA content as biomolecular markers of ageing in association with air pollution. <i>Environment International</i> , <b>2021</b> , 147, 106332	12.9	1
268	Exposure to green space and pollen allergy symptom severity: A case-crossover study in Belgium. <i>Science of the Total Environment</i> , <b>2021</b> , 781, 146682	10.2	12
267	Gestational acrylamide exposure and biomarkers of fetal growth: Probing the mechanism underlying the association between acrylamide and reduced fetal growth. <i>Environment International</i> , <b>2021</b> , 155, 106668	12.9	5
266	Long-term residential exposure to air pollution is associated with hair cortisol concentration and differential leucocyte count in Flemish adolescent boys. <i>Environmental Research</i> , <b>2021</b> , 201, 111595	7.9	3
265	Residential green space can shape the indoor microbial environment. <i>Environmental Research</i> , <b>2021</b> , 201, 111543	7.9	3
264	Dynamics of skin microvascular blood flow in 4-6-year-old children in association with pre- and postnatal black carbon and particulate air pollution exposure. <i>Environment International</i> , <b>2021</b> , 157, 106799	12.9	0

263	In utero exposure to parabens and early childhood BMI z-scores - Associations between placental ethyl paraben, longitudinal BMI trajectories and cord blood metabolic biomarkers. <i>Environment International</i> , <b>2021</b> , 157, 106845	12.9	4
262	FLEXiGUT: Rationale for exposomics associations with chronic low-grade gut inflammation. <i>Environment International</i> , <b>2021</b> , 158, 106906	12.9	0
261	Reply to Fetal side of the placenta: Anatomical mis-annotation of carbon particle transfer across the human placenta. <i>Nature Communications</i> , <b>2021</b> , 12, 7050	17.4	0
260	DNA methylation of insulin-like growth factor 2 and H19 cluster in cord blood and prenatal air pollution exposure to fine particulate matter. <i>Environmental Health</i> , <b>2020</b> , 19, 129	6	7
259	Environmental exposures and health behavior in association with mental health: a study design. <i>Archives of Public Health</i> , <b>2020</b> , 78, 105	2.6	0
258	Translocation of (ultra)fine particles and nanoparticles across the placenta; a systematic review on the evidence of in vitro, ex vivo, and in vivo studies. <i>Particle and Fibre Toxicology</i> , <b>2020</b> , 17, 56	8.4	24
257	Association of Retinal Microvascular Characteristics With Short-term Memory Performance in Children Aged 4 to 5 Years. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2011537	10.4	5
256	Preconception telomere length as a novel maternal biomarker to assess the risk of spina bifida in the offspring. <i>Birth Defects Research</i> , <b>2020</b> , 112, 645-651	2.9	3
255	Association of Prenatal Exposure to Ambient Air Pollution With Circulating Histone Levels in Maternal Cord Blood. <i>JAMA Network Open</i> , <b>2020</b> , 3, e205156	10.4	7
254	Association Between Maternal Prepregnancy Body Mass Index and Anthropometric Parameters, Blood Pressure, and Retinal Microvasculature in Children Age 4 to 6 Years. <i>JAMA Network Open</i> , <b>2020</b> , 3, e204662	10.4	7
253	Children's microvascular traits and ambient air pollution exposure during pregnancy and early childhood: prospective evidence to elucidate the developmental origin of particle-induced disease. <i>BMC Medicine</i> , <b>2020</b> , 18, 128	11.4	6
252	A multi-omic analysis of birthweight in newborn cord blood reveals new underlying mechanisms related to cholesterol metabolism. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 110, 154292	12.7	12
251	Levels of the hemoglobin adduct N-(2,3-Dihydroxypropyl)-valine in cord and maternal blood: Prenatal transfer of glycidol in the ENVIRONAGE birth cohort. <i>Toxicology Letters</i> , <b>2020</b> , 332, 82-87	4.4	4
250	Pre-admission air pollution exposure prolongs the duration of ventilation in intensive care patients. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1204-1212	14.5	5
249	Association of exposure to air pollution and telomere length in preschool children. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137933	10.2	9
248	Establishing reference values for macro- and microvascular measurements in 4-to-5 year-old children of the ENVIRONAGE prospective birth cohort. <i>Scientific Reports</i> , <b>2020</b> , 10, 5107	4.9	1
247	Association of Parental Socioeconomic Status and Newborn Telomere Length. <i>JAMA Network Open</i> , <b>2020</b> , 3, e204057	10.4	19
246	Prenatal particulate air pollution exposure and expression of the miR-17/92 cluster in cord blood: Findings from the ENVIRONAGE birth cohort. <i>Environment International</i> , <b>2020</b> , 142, 105860	12.9	2

245	Variability of iodine concentrations in the human placenta. <i>Scientific Reports</i> , <b>2020</b> , 10, 161	4.9	7
244	Residential green space, air pollution, socioeconomic deprivation and cardiovascular medication sales in Belgium: A nationwide ecological study. <i>Science of the Total Environment</i> , <b>2020</b> , 712, 136426	10.2	31
243	Breastfeeding predicts blood mitochondrial DNA content in adolescents. <i>Scientific Reports</i> , <b>2020</b> , 10, 387	4.9	0
242	Interpretation of Population Health Metrics: Environmental Lead Exposure as Exemplary Case. <i>Hypertension</i> , <b>2020</b> , 75, 603-614	8.5	3
241	Increased telomere length and mtDNA copy number induced by multi-walled carbon nanotube exposure in the workplace. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122569	12.8	7
240	Intrarenal arteriosclerosis and telomere attrition associate with dysregulation of the cholesterol pathway. <i>Aging</i> , <b>2020</b> , 12, 7830-7847	5.6	
239	Respiratory Health and Urinary Trace Metals among Artisanal Stone-Crushers: A Cross-Sectional Study in Lubumbashi, DR Congo. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
238	Perfluorinated substances in the Flemish population (Belgium): Levels and determinants of variability in exposure. <i>Chemosphere</i> , <b>2020</b> , 242, 125250	8.4	22
237	Residential green space and seasonal distress in a cohort of tree pollen allergy patients. <i>International Journal of Hygiene and Environmental Health</i> , <b>2020</b> , 223, 71-79	6.9	10
236	Personal exposure to NO and benzene in the Cape Town region of South Africa is associated with shorter leukocyte telomere length in women. <i>Environmental Research</i> , <b>2020</b> , 182, 108993	7.9	6
235	Early life tobacco exposure and children's telomere length: The HELIX project. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 135028	10.2	8
234	Replicative senescence and arteriosclerosis after kidney transplantation. <i>Nephrology Dialysis Transplantation</i> , <b>2020</b> , 35, 1984-1995	4.3	3
233	Early-life exposure to multiple persistent organic pollutants and metals and birth weight: Pooled analysis in four Flemish birth cohorts. <i>Environment International</i> , <b>2020</b> , 145, 106149	12.9	9
232	Agnathia otocephaly: A case from the Katanga Copperbelt. <i>Birth Defects Research</i> , <b>2020</b> , 112, 1287-1291	2.9	1
231	Antithrombotic medication and endovascular interventions associated with short-term exposure to particulate air pollution: A nationwide case-crossover study. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115130	9.3	1
230	Weight and head circumference at birth in function of placental paraben load in Belgium: an ENVIRONAGE birth cohort study. <i>Environmental Health</i> , <b>2020</b> , 19, 83	6	6
229	Residential green space and medication sales for childhood asthma: A longitudinal ecological study in Belgium. <i>Environmental Research</i> , <b>2020</b> , 189, 109914	7.9	13
228	Determinants of placental iodine concentrations in a mild-to-moderate iodine-deficient population: an ENVIRONAGE cohort study. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 426	8.5	3

227	Association of greenspace exposure with telomere length in preschool children. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115228	9.3	6
226	Monitoring indoor exposure to combustion-derived particles using plants. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115261	9.3	1
225	Optimization of label-free nano LC-MS/MS analysis of the placental proteome. <i>Placenta</i> , <b>2020</b> , 101, 159-162	9.3	2
224	Prenatal Exposure to Multiple Air Pollutants, Mediating Molecular Mechanisms, and Shifts in Birthweight. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14502-14513	10.3	4
223	Residential green space and child intelligence and behavior across urban, suburban, and rural areas in Belgium: A longitudinal birth cohort study of twins. <i>PLoS Medicine</i> , <b>2020</b> , 17, e1003213	11.6	27
222	Electrocardiographic left ventricular hypertrophy in relation to peripheral and central blood pressure indices in a Nigerian population. <i>Blood Pressure</i> , <b>2020</b> , 29, 39-46	1.7	1
221	Urban environment and mental health: the NAMED project, protocol for a mixed-method study. <i>BMJ Open</i> , <b>2020</b> , 10, e031963	3	4
220	Residential green space and child intelligence and behavior across urban, suburban, and rural areas in Belgium: A longitudinal birth cohort study of twins <b>2020</b> , 17, e1003213		
219	Residential green space and child intelligence and behavior across urban, suburban, and rural areas in Belgium: A longitudinal birth cohort study of twins <b>2020</b> , 17, e1003213		
218	Residential green space and child intelligence and behavior across urban, suburban, and rural areas in Belgium: A longitudinal birth cohort study of twins <b>2020</b> , 17, e1003213		
217	Residential green space and child intelligence and behavior across urban, suburban, and rural areas in Belgium: A longitudinal birth cohort study of twins <b>2020</b> , 17, e1003213		
216	Ambient black carbon particles reach the fetal side of human placenta. <i>Nature Communications</i> , <b>2019</b> , 10, 3866	17.4	187
215	Air pollution and self-perceived stress and mood: A one-year panel study of healthy elderly persons. <i>Environmental Research</i> , <b>2019</b> , 177, 108644	7.9	14
214	Urinary lead in relation to combustion-derived air pollution in urban environments. A longitudinal study of an international panel. <i>Environment International</i> , <b>2019</b> , 125, 75-81	12.9	5
213	Neonatal blood pressure in association with prenatal air pollution exposure, traffic, and land use indicators: An ENVIRONAGE birth cohort study. <i>Environment International</i> , <b>2019</b> , 130, 104853	12.9	15
212	Transport most likely to cause air pollution peak exposures in everyday life: Evidence from over 2000 days of personal monitoring. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 424-432	5.3	27
211	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 57012	8.4	58
210	Geographies of asthma medication purchase for pre-schoolers in Belgium. <i>Respiratory Research</i> , <b>2019</b> , 20, 90	7.3	7



209	A Co-expression Analysis of the Placental Transcriptome in Association With Maternal Pre-pregnancy BMI and Newborn Birth Weight. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 354	4.5	13
208	Simultaneous determination of parabens, bisphenols and alkylphenols in human placenta by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1121, 96-102	3.2	13
207	Exposure to Environmental Pollutants and Their Association with Biomarkers of Aging: A Multipollutant Approach. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5966-5976	10.3	27
206	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , <b>2019</b> , 10, 1893	17.4	79
205	Ambient air pollution and health in Sub-Saharan Africa: Current evidence, perspectives and a call to action. <i>Environmental Research</i> , <b>2019</b> , 173, 174-188	7.9	47
204	Microvascular reactivity in rehabilitating cardiac patients based on measurements of retinal blood vessel diameters. <i>Microvascular Research</i> , <b>2019</b> , 124, 25-29	3.7	8
203	The Cord Blood Insulin and Mitochondrial DNA Content Related Methylome. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 325	4.5	4
202	Prenatal and Childhood Traffic-Related Air Pollution Exposure and Telomere Length in European Children: The HELIX Project. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 87001	8.4	20
201	Personal NO and Volatile Organic Compounds Exposure Levels are Associated with Markers of Cardiovascular Risk in Women in the Cape Town Region of South Africa. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	12
200	Ambient air quality as risk factor for microscopic colitis - A geographic information system (GIS) study. <i>Environmental Research</i> , <b>2019</b> , 178, 108710	7.9	2
199	Placental mitochondrial DNA content is associated with childhood intelligence. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 361	8.5	11
198	Early Biological Aging and Fetal Exposure to High and Low Ambient Temperature: A Birth Cohort Study. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 117001	8.4	12
197	Intelligence gain and social cost savings attributable to environmental lead exposure reduction strategies since the year 2000 in Flanders, Belgium. <i>Environmental Health</i> , <b>2019</b> , 18, 113	6	4
196	Obesity is associated with shorter telomeres in 8 year-old children. <i>Scientific Reports</i> , <b>2019</b> , 9, 18739	4.9	20
195	Prenatal particulate air pollution exposure and cord blood homocysteine in newborns: Results from the ENVIRONAGE birth cohort. <i>Environmental Research</i> , <b>2019</b> , 168, 507-513	7.9	6
194	Socioeconomic position during pregnancy and DNA methylation signatures at three stages across early life: epigenome-wide association studies in the ALSPAC birth cohort. <i>International Journal of Epidemiology</i> , <b>2019</b> , 48, 30-44	7.8	21
193	Timescales of developmental toxicity impacting on research and needs for intervention. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2019</b> , 125 Suppl 3, 70-80	3.1	14
192	Epigenetics and the Exposome <b>2019</b> , 127-146		3



191	Child's buccal cell mitochondrial DNA content modifies the association between heart rate variability and recent air pollution exposure at school. <i>Environment International</i> , <b>2019</b> , 123, 39-49	12.9	12
190	Air pollution and telomere length in adults: A systematic review and meta-analysis of observational studies. <i>Environmental Pollution</i> , <b>2019</b> , 244, 636-647	9.3	38
189	Longitudinal association between psychosocial stress and retinal microvasculature in children and adolescents. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 92, 50-56	5	4
188	Placental promoter methylation of DNA repair genes and prenatal exposure to particulate air pollution: an ENVIRONAGE cohort study. <i>Lancet Planetary Health, The</i> , <b>2018</b> , 2, e174-e183	9.8	37
187	Cord Blood Metabolic Signatures of Birth Weight: A Population-Based Study. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 1235-1247	5.6	30
186	Rationale for Environmental Hygiene towards global protection of fetuses and young children from adverse lifestyle factors. <i>Environmental Health</i> , <b>2018</b> , 17, 42	6	7
185	Carbon load in airway macrophages as a biomarker of exposure to particulate air pollution; a longitudinal study of an international Panel. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 14	8.4	13
184	DNA Methylome Marks of Exposure to Particulate Matter at Three Time Points in Early Life. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5427-5437	10.3	17
183	Placental circadian pathway methylation and in utero exposure to fine particle air pollution. <i>Environment International</i> , <b>2018</b> , 114, 231-241	12.9	35
182	Air pollution-induced placental epigenetic alterations in early life: a candidate miRNA approach. <i>Epigenetics</i> , <b>2018</b> , 13, 135-146	5.7	56
181	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , <b>2018</b> , 47, 22-23u	7.8	62
180	Mitochondrial DNA content in blood and carbon load in airway macrophages. A panel study in elderly subjects. <i>Environment International</i> , <b>2018</b> , 119, 47-53	12.9	9
179	Telomere Length as Cardiovascular Aging Biomarker: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 805-813	15.1	53
178	The aging lung: tissue telomere shortening in health and disease. <i>Respiratory Research</i> , <b>2018</b> , 19, 95	7.3	28
177	A role for telomere length and chromosomal damage in idiopathic pulmonary fibrosis. <i>Respiratory Research</i> , <b>2018</b> , 19, 132	7.3	19
176	Placental hypoxia-regulating network in relation to birth weight and ponderal index: the ENVIRONAGE Birth Cohort Study. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 2	8.5	12
175	DNA hypomethylation in association with internal and external markers of traffic exposure in a panel of healthy adults. <i>Air Quality, Atmosphere and Health</i> , <b>2018</b> , 11, 673-681	5.6	2
174	Retinal microcirculation and leukocyte telomere length in the general population. <i>Scientific Reports</i> , <b>2018</b> , 8, 7095	4.9	5

173	Residential landscape as a predictor of psychosocial stress in the life course from childhood to adolescence. <i>Environment International</i> , <b>2018</b> , 120, 456-463	12.9	46
172	Cord blood leptin and insulin levels in association with mitochondrial DNA content. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 224	8.5	6
171	Air pollution and the fetal origin of disease: A systematic review of the molecular signatures of air pollution exposure in human placenta. <i>Environmental Research</i> , <b>2018</b> , 166, 310-323	7.9	51
170	The impact of acute air pollution fluctuations on bronchiectasis pulmonary exacerbation: a case-crossover analysis. <i>European Respiratory Journal</i> , <b>2018</b> , 52,	13.6	26
169	Temporal variability of global DNA methylation and hydroxymethylation in buccal cells of healthy adults: Association with air pollution. <i>Environment International</i> , <b>2018</b> , 111, 301-308	12.9	23
168	Hotspots of malignant pleural mesothelioma in Western Europe. <i>Translational Lung Cancer Research</i> , <b>2018</b> , 7, 516-519	4.4	5
167	Household Air Pollution Is Associated with Chronic Cough but Not Hemoptysis after Completion of Pulmonary Tuberculosis Treatment in Adults, Rural Eastern Democratic Republic of Congo. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	3
166	Changing places to study short-term effects of air pollution on cardiovascular health: a panel study. <i>Environmental Health</i> , <b>2018</b> , 17, 80	6	12
165	The Impact of Air Pollution on Our Epigenome: How Far Is the Evidence? (A Systematic Review). <i>Current Environmental Health Reports</i> , <b>2018</b> , 5, 544-578	6.5	31
164	Sustainability of artisanal mining of cobalt in DR Congo. <i>Nature Sustainability</i> , <b>2018</b> , 1, 495-504	22.1	152
163	Sex-specific associations between telomere length and candidate miRNA expression in placenta. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 254	8.5	12
162	Children's screen time alters the expression of saliva extracellular miR-222 and miR-146a. <i>Scientific Reports</i> , <b>2018</b> , 8, 8209	4.9	5
161	Ageing at the level of telomeres in association to residential landscape and air pollution at home and work: a review of the current evidence. <i>Toxicology Letters</i> , <b>2018</b> , 298, 42-52	4.4	26
160	Three cycles of human biomonitoring in Flanders - Time trends observed in the Flemish Environment and Health Study. <i>International Journal of Hygiene and Environmental Health</i> , <b>2017</b> , 220, 36-45	6.9	55
159	An association of particulate air pollution and traffic exposure with mortality after lung transplantation in Europe. <i>European Respiratory Journal</i> , <b>2017</b> , 49,	13.6	28
158	Wearable Sensors for Personal Monitoring and Estimation of Inhaled Traffic-Related Air Pollution: Evaluation of Methods. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1859-1867	10.3	61
157	Cohort Profile: The ENVIRONMENTAL influence ON early AGEing (ENVIRONAGE): a birth cohort study. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 1386-1387m	7.8	45
156	Extracellular Vesicles: How the External and Internal Environment Can Shape Cell-To-Cell Communication. <i>Current Environmental Health Reports</i> , <b>2017</b> , 4, 30-37	6.5	31

155	Placental mitochondrial DNA and CYP1A1 gene methylation as molecular signatures for tobacco smoke exposure in pregnant women and the relevance for birth weight. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 5	8.5	39
154	Left Ventricular Structure and Function in Relation to Environmental Exposure to Lead and Cadmium. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	28
153	Phthalate-induced oxidative stress and association with asthma-related airway inflammation in adolescents. <i>International Journal of Hygiene and Environmental Health</i> , <b>2017</b> , 220, 468-477	6.9	51
152	Neonatal exposure to environmental pollutants and placental mitochondrial DNA content: A multi-pollutant approach. <i>Environment International</i> , <b>2017</b> , 106, 60-68	12.9	26
151	Prenatal ambient air pollution exposure, infant growth and placental mitochondrial DNA content in the INMA birth cohort. <i>Environmental Research</i> , <b>2017</b> , 157, 96-102	7.9	31
150	Cord plasma insulin and in utero exposure to ambient air pollution. <i>Environment International</i> , <b>2017</b> , 105, 126-132	12.9	21
149	Blood pressure in young adulthood and residential greenness in the early-life environment of twins. <i>Environmental Health</i> , <b>2017</b> , 16, 53	6	22
148	Cardiovascular risk and endothelial function in people living with HIV/AIDS: design of the multi-site, longitudinal EndoAfrica study in the Western Cape Province of South Africa. <i>BMC Infectious Diseases</i> , <b>2017</b> , 17, 41	4	22
147	Metals, hormones and sexual maturation in Flemish adolescents in three cross-sectional studies (2002-2015). <i>Environment International</i> , <b>2017</b> , 102, 190-199	12.9	14
146	Prenatal Air Pollution and Newborns' Predisposition to Accelerated Biological Aging. <i>JAMA Pediatrics</i> , <b>2017</b> , 171, 1160-1167	8.3	122
145	Telomere tracking from birth to adulthood and residential traffic exposure. <i>BMC Medicine</i> , <b>2017</b> , 15, 205	11.4	41
144	Transcriptome-wide analyses indicate mitochondrial responses to particulate air pollution exposure. <i>Environmental Health</i> , <b>2017</b> , 16, 87	6	16
143	Neonatal Cord Blood Oxylipins and Exposure to Particulate Matter in the Early-Life Environment: An ENVIRAGE Birth Cohort Study. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 691-698	8.4	22
142	Fetal Thyroid Function, Birth Weight, and Exposure to Fine Particle Air Pollution: A Birth Cohort Study. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 699-705	8.4	53
141	Lower Placental Leptin Promoter Methylation in Association with Fine Particulate Matter Air Pollution during Pregnancy and Placental Nitrosative Stress at Birth in the ENVIRONAGE Cohort. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 262-268	8.4	54
140	Sex-Specific Associations between Particulate Matter Exposure and Gene Expression in Independent Discovery and Validation Cohorts of Middle-Aged Men and Women. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 660-669	8.4	16
139	Cord blood eicosanoid signatures and newborn gestational age. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2017</b> , 133, 123-127	3.7	11
138	Mother's Pre-pregnancy BMI and Placental Candidate miRNAs: Findings from the ENVIRONAGE Birth Cohort. <i>Scientific Reports</i> , <b>2017</b> , 7, 5548	4.9	14

137	Recent versus chronic fine particulate air pollution exposure as determinant of the retinal microvasculature in school children. <i>Environmental Research</i> , <b>2017</b> , 159, 103-110	7.9	19
136	Refinement of a Methodology for Untargeted Detection of Serum Albumin Adducts in Human Populations. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 2120-2129	4	7
135	Children's Urinary Environmental Carbon Load. A Novel Marker Reflecting Residential Ambient Air Pollution Exposure?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 196, 873-881	10.2	62
134	Left ventricular function in relation to chronic residential air pollution in a general population. <i>European Journal of Preventive Cardiology</i> , <b>2017</b> , 24, 1416-1428	3.9	22
133	Human biomonitoring from an environmental justice perspective: supporting study participation of women of Turkish and Moroccan descent. <i>Environmental Health</i> , <b>2017</b> , 16, 48	6	3
132	Newborn sex-specific transcriptome signatures and gestational exposure to fine particles: findings from the ENVIRONAGE birth cohort. <i>Environmental Health</i> , <b>2017</b> , 16, 52	6	19
131	Short-term air pollution exposure decreases lung function: a repeated measures study in healthy adults. <i>Environmental Health</i> , <b>2017</b> , 16, 60	6	34
130	Regulating role of fetal thyroid hormones on placental mitochondrial DNA methylation: epidemiological evidence from the ENVIRAGE birth cohort study. <i>Clinical Epigenetics</i> , <b>2017</b> , 9, 66	7.7	13
129	Environmental exposure to human carcinogens in teenagers and the association with DNA damage. <i>Environmental Research</i> , <b>2017</b> , 152, 165-174	7.9	26
128	Disease mapping of zero-excessive mesothelioma data in Flanders. <i>Annals of Epidemiology</i> , <b>2017</b> , 27, 59-66.e3	6.4	13
127	Peripheral blood mitochondrial DNA content in relation to circulating metabolites and inflammatory markers: A population study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181036	3.7	19
126	Climate and environmental triggers of acute myocardial infarction. <i>European Heart Journal</i> , <b>2017</b> , 38, 955-960	9.5	58
125	Effect of the shape of the exposure-response function on estimated hospital costs in a study on non-elective pneumonia hospitalizations related to particulate matter. <i>Environment International</i> , <b>2016</b> , 94, 525-530	12.9	6
124	Recent versus chronic exposure to particulate matter air pollution in association with neurobehavioral performance in a panel study of primary schoolchildren. <i>Environment International</i> , <b>2016</b> , 95, 112-9	12.9	40
123	Urinary t,t-muconic acid as a proxy-biomarker of car exhaust and neurobehavioral performance in 15-year olds. <i>Environmental Research</i> , <b>2016</b> , 151, 521-527	7.9	9
122	Maternal pre-pregnancy body mass index and newborn telomere length. <i>BMC Medicine</i> , <b>2016</b> , 14, 148	11.4	82
121	Respiratory medication sales and urban air pollution in Brussels (2005 to 2011). <i>Environment International</i> , <b>2016</b> , 94, 576-582	12.9	14
120	miRNA expression profiles and retinal blood vessel calibers are associated with short-term particulate matter air pollution exposure. <i>Environmental Research</i> , <b>2016</b> , 147, 24-31	7.9	26

119	Short-term fluctuations in personal black carbon exposure are associated with rapid changes in carotid arterial stiffening. <i>Environment International</i> , <b>2016</b> , 88, 228-234	12.9	30
118	Mitochondrial oxidative DNA damage and exposure to particulate air pollution in mother-newborn pairs. <i>Environmental Health</i> , <b>2016</b> , 15, 10	6	59
117	Incidence of nephrolithiasis in relation to environmental exposure to lead and cadmium in a population study. <i>Environmental Research</i> , <b>2016</b> , 145, 1-8	7.9	17
116	Correlates of Peripheral Blood Mitochondrial DNA Content in a General Population. <i>American Journal of Epidemiology</i> , <b>2016</b> , 183, 138-46	3.8	63
115	Biomolecular Markers within the Core Axis of Aging and Particulate Air Pollution Exposure in the Elderly: A Cross-Sectional Study. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 943-50	8.4	67
114	Prenatal Ambient Air Pollution, Placental Mitochondrial DNA Content, and Birth Weight in the INMA (Spain) and ENVIRONAGE (Belgium) Birth Cohorts. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 659-65	8.4	77
113	Combined Effects of Prenatal Exposures to Environmental Chemicals on Birth Weight. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	77
112	Health Impact Assessment of a Predicted Air Quality Change by Moving Traffic from an Urban Ring Road into a Tunnel. The Case of Antwerp, Belgium. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154052	3.7	20
111	Air Pollution Stress and the Aging Phenotype: The Telomere Connection. <i>Current Environmental Health Reports</i> , <b>2016</b> , 3, 258-69	6.5	56
110	Recent exposure to ultrafine particles in school children alters miR-222 expression in the extracellular fraction of saliva. <i>Environmental Health</i> , <b>2016</b> , 15, 80	6	24
109	Ambient Air Pollution-related Mortality in Dairy Cattle: Does It Corroborate Human Findings?. <i>Epidemiology</i> , <b>2016</b> , 27, 779-86	3.1	11
108	Diastolic Left Ventricular Function in Relation to Circulating Metabolic Biomarkers in a General Population. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5, e002681	6	15
107	Mortality related to cold and heat. What do we learn from dairy cattle?. <i>Environmental Research</i> , <b>2016</b> , 149, 231-238	7.9	18
106	Small for gestational age and exposure to particulate air pollution in the early-life environment of twins. <i>Environmental Research</i> , <b>2016</b> , 148, 39-45	7.9	14
105	Association of left ventricular structure and function with peripheral blood mitochondrial DNA content in a general population. <i>International Journal of Cardiology</i> , <b>2016</b> , 214, 180-8	3.2	8
104	Investigating unmetabolized polycyclic aromatic hydrocarbons in adolescents' urine as biomarkers of environmental exposure. <i>Chemosphere</i> , <b>2016</b> , 155, 48-56	8.4	30
103	Placental Nitrosative Stress and Exposure to Ambient Air Pollution During Gestation: A Population Study. <i>American Journal of Epidemiology</i> , <b>2016</b> , 184, 442-9	3.8	53
102	Fetal growth and maternal exposure to particulate air pollution--More marked effects at lower exposure and modification by gestational duration. <i>Environmental Research</i> , <b>2015</b> , 140, 611-8	7.9	27

101	Neurobehavioral Effects of Air Pollution in Children <b>2015</b> , 89-105		1
100	MicroRNAs as potential signatures of environmental exposure or effect: a systematic review. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 399-411	8.4	205
99	Lower placental telomere length may be attributed to maternal residential traffic exposure; a twin study. <i>Environment International</i> , <b>2015</b> , 79, 1-7	12.9	51
98	Proximity to blue spaces and risk of infection with <i>Pseudomonas aeruginosa</i> in cystic fibrosis: A case-control analysis. <i>Journal of Cystic Fibrosis</i> , <b>2015</b> , 14, 741-7	4.1	13
97	Molecular responses in the telomere-mitochondrial axis of ageing in the elderly: a candidate gene approach. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 145, 51-7	5.6	26
96	Association of total cancer and lung cancer with environmental exposure to cadmium: the meta-analytical evidence. <i>Cancer Causes and Control</i> , <b>2015</b> , 26, 1281-8	2.8	51
95	Long-Term Exposure to Particulate Matter Air Pollution Is a Risk Factor for Stroke: Meta-Analytical Evidence. <i>Stroke</i> , <b>2015</b> , 46, 3058-66	6.7	101
94	Human exposure to endocrine disrupting chemicals and fertility: A case-control study in male subfertility patients. <i>Environment International</i> , <b>2015</b> , 84, 154-60	12.9	98
93	Carbon loading in airway macrophages as a biomarker for individual exposure to particulate matter air pollution - A critical review. <i>Environment International</i> , <b>2015</b> , 74, 32-41	12.9	40
92	Neurobehavioral performance in adolescents is inversely associated with traffic exposure. <i>Environment International</i> , <b>2015</b> , 75, 136-43	12.9	48
91	Neurobehavioral function and low-level metal exposure in adolescents. <i>International Journal of Hygiene and Environmental Health</i> , <b>2015</b> , 218, 139-46	6.9	18
90	Blood pressure changes in association with black carbon exposure in a panel of healthy adults are independent of retinal microcirculation. <i>Environment International</i> , <b>2015</b> , 75, 81-6	12.9	35
89	Blood pressure in relation to environmental lead exposure in the national health and nutrition examination survey 2003 to 2010. <i>Hypertension</i> , <b>2015</b> , 65, 62-9	8.5	39
88	Impact of green/blue spaces on specific morbidity and cause-specific mortality in Belgium: the GRESP-HEALTH project protocol (2015-2019). <i>Archives of Public Health</i> , <b>2015</b> , 73,	2.6	4
87	Telomere length, cardiovascular risk and arteriosclerosis in human kidneys: an observational cohort study. <i>Aging</i> , <b>2015</b> , 7, 766-75	5.6	19
86	In Utero Fine Particle Air Pollution and Placental Expression of Genes in the Brain-Derived Neurotrophic Factor Signaling Pathway: An ENVIRONAGE Birth Cohort Study. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 834-40	8.4	76
85	Blood Pressure and Same-Day Exposure to Air Pollution at School: Associations with Nano-Sized to Coarse PM in Children. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 737-42	8.4	72
84	Carotid intima-media thickness, a marker of subclinical atherosclerosis, and particulate air pollution exposure: the meta-analytical evidence. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127014	3.7	50



83	Placental mitochondrial methylation and exposure to airborne particulate matter in the early life environment: An ENVIRONAGE birth cohort study. <i>Epigenetics</i> , <b>2015</b> , 10, 536-44	5.7	123
82	Cost saving potential in cardiovascular hospital costs due to reduction in air pollution. <i>Science of the Total Environment</i> , <b>2015</b> , 527-528, 413-9	10.2	17
81	Internal exposure to organochlorine pollutants and cadmium and self-reported health status: a prospective study. <i>International Journal of Hygiene and Environmental Health</i> , <b>2015</b> , 218, 232-45	6.9	23
80	Gender and telomere length: systematic review and meta-analysis. <i>Experimental Gerontology</i> , <b>2014</b> , 51, 15-27	4.5	285
79	Effect of smoke-free legislation on perinatal and child health: a systematic review and meta-analysis. <i>Lancet, The</i> , <b>2014</b> , 383, 1549-60	4.0	188
78	Metal exposure in schoolchildren and working children. A urinary biomonitoring study from Lahore, Pakistan. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 669-77	6.9	24
77	Impact of traffic related air pollution indicators on non-cystic fibrosis bronchiectasis mortality: a cohort analysis. <i>Respiratory Research</i> , <b>2014</b> , 15, 108	7.3	20
76	Airway oxidative stress and inflammation markers in exhaled breath from children are linked with exposure to black carbon. <i>Environment International</i> , <b>2014</b> , 73, 440-6	12.9	58
75	Trace metals in blood and urine of newborn/mother pairs, adolescents and adults of the Flemish population (2007-2011). <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 878-90	6.9	47
74	Pathways of human exposure to cobalt in Katanga, a mining area of the D.R. Congo. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 313-21	10.2	70
73	Fundus photography as a convenient tool to study microvascular responses to cardiovascular disease risk factors in epidemiological studies. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51904	1.6	17
72	Impact of stepwise introduction of smoke-free legislation on population rates of acute myocardial infarction deaths in Flanders, Belgium. <i>Heart</i> , <b>2014</b> , 100, 1430-5	5.1	23
71	Left ventricular diastolic function associated with common genetic variation in ATP12A in a general population. <i>BMC Medical Genetics</i> , <b>2014</b> , 15, 121	2.1	4
70	Health effects in the Flemish population in relation to low levels of mercury exposure: from organ to transcriptome level. <i>International Journal of Hygiene and Environmental Health</i> , <b>2014</b> , 217, 239-47	6.9	20
69	Serum levels of club cell secretory protein (Clara) and short- and long-term exposure to particulate air pollution in adolescents. <i>Environment International</i> , <b>2014</b> , 68, 66-70	12.9	32
68	Placental DNA hypomethylation in association with particulate air pollution in early life. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 22	8.4	127
67	Prevention - Passive smoking and pregnancy. <i>European Journal of Cancer, Supplement</i> , <b>2013</b> , 11, 242-7	1.6	1
66	Prenatal exposure to environmental contaminants and behavioural problems at age 7-8years. <i>Environment International</i> , <b>2013</b> , 59, 225-31	12.9	73

65	Influence of ambient air pollution on global DNA methylation in healthy adults: a seasonal follow-up. <i>Environment International</i> , <b>2013</b> , 59, 418-24	12.9	91
64	Host and environmental predictors of exhaled breath temperature in the elderly. <i>BMC Public Health</i> , <b>2013</b> , 13, 1226	4.1	10
63	Impact of a stepwise introduction of smoke-free legislation on the rate of preterm births: analysis of routinely collected birth data. <i>BMJ, The</i> , <b>2013</b> , 346, f441	5.9	86
62	Retinal microvascular responses to short-term changes in particulate air pollution in healthy adults. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 1011-6	8.4	45
61	Impact of air pollution on cystic fibrosis pulmonary exacerbations: a case-crossover analysis. <i>Chest</i> , <b>2013</b> , 143, 946-954	5.3	51
60	Decreased mitochondrial DNA content in association with exposure to polycyclic aromatic hydrocarbons in house dust during wintertime: from a population enquiry to cell culture. <i>PLoS ONE</i> , <b>2013</b> , 8, e63208	3.7	48
59	Acute changes in pulse pressure in relation to constituents of particulate air pollution in elderly persons. <i>Environmental Research</i> , <b>2012</b> , 117, 60-7	7.9	64
58	Blood pressure and particulate air pollution in schoolchildren of Lahore, Pakistan. <i>BMC Public Health</i> , <b>2012</b> , 12, 378	4.1	61
57	Neurobehavioral function and low-level exposure to brominated flame retardants in adolescents: a cross-sectional study. <i>Environmental Health</i> , <b>2012</b> , 11, 86	6	59
56	Concept of the Flemish human biomonitoring programme. <i>International Journal of Hygiene and Environmental Health</i> , <b>2012</b> , 215, 102-8	6.9	85
55	Placental mitochondrial DNA content and particulate air pollution during in utero life. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 1346-52	8.4	149
54	Adverse health effects of child labor: high exposure to chromium and oxidative DNA damage in children manufacturing surgical instruments. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 1469-74	8.4	40
53	Changed gene expression in brains of mice exposed to traffic in a highway tunnel. <i>Inhalation Toxicology</i> , <b>2012</b> , 24, 676-86	2.7	36
52	An epidemiological appraisal of the association between heart rate variability and particulate air pollution: a meta-analysis. <i>Heart</i> , <b>2012</b> , 98, 1127-35	5.1	122
51	Cadmium from zinc smelter emission and variation in cancer incidence: the hierarchy of evidence. <i>European Journal of Cancer Prevention</i> , <b>2012</b> , 21, 497-8	2	3
50	Predicting changes in preferences for life-sustaining treatment among patients with advanced chronic organ failure. <i>Chest</i> , <b>2012</b> , 141, 1251-1259	5.3	65
49	Public health importance of triggers of myocardial infarction: a comparative risk assessment. <i>Lancet, The</i> , <b>2011</b> , 377, 732-40	40	364
48	Triggers of myocardial infarction [AuthorsReply]. <i>Lancet, The</i> , <b>2011</b> , 377, 2175-2176	40	1

47	An epidemiological reappraisal of the familial aggregation of prostate cancer: a meta-analysis. <i>PLoS ONE</i> , <b>2011</b> , 6, e27130	3.7	100
46	How much do resin-based dental materials release? A meta-analytical approach. <i>Dental Materials</i> , <b>2011</b> , 27, 723-47	5.7	267
45	Bone resorption and environmental exposure to cadmium in children: a cross-sectional study. <i>Environmental Health</i> , <b>2011</b> , 10, 104	6	64
44	The association between urinary kidney injury molecule 1 and urinary cadmium in elderly during long-term, low-dose cadmium exposure: a pilot study. <i>Environmental Health</i> , <b>2011</b> , 10, 77	6	23
43	An Epidemiological Appraisal of Smoking-Related Outcomes <b>2011</b> , 93-120		
42	The metabolic syndrome and carotid intima-media thickness in relation to the parathyroid hormone to 25-OH-D(3) ratio in a general population. <i>American Journal of Hypertension</i> , <b>2011</b> , 24, 102-9	2.3	39
41	The impact of traffic air pollution on bronchiolitis obliterans syndrome and mortality after lung transplantation. <i>Thorax</i> , <b>2011</b> , 66, 748-54	7.3	66
40	Does air pollution trigger infant mortality in Western Europe? A case-crossover study. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 1017-22	8.4	41
39	Traffic air pollution and oxidized LDL. <i>PLoS ONE</i> , <b>2011</b> , 6, e16200	3.7	51
38	Telomere length and its associations with oxidized-LDL, carotid artery distensibility and smoking. <i>Frontiers in Bioscience - Elite</i> , <b>2010</b> , 2, 1164-8	1.6	36
37	Air pollution related prothrombotic changes in persons with diabetes. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 191-6	8.4	85
36	Subclinical responses in healthy cyclists briefly exposed to traffic-related air pollution: an intervention study. <i>Environmental Health</i> , <b>2010</b> , 9, 64	6	110
35	Long-term azithromycin therapy for bronchiolitis obliterans syndrome: divide and conquer?. <i>Journal of Heart and Lung Transplantation</i> , <b>2010</b> , 29, 1358-68	5.8	81
34	Cadmium stress: an oxidative challenge. <i>BioMetals</i> , <b>2010</b> , 23, 927-40	3.4	651
33	Cadmium exposure in the population: from health risks to strategies of prevention. <i>BioMetals</i> , <b>2010</b> , 23, 769-82	3.4	298
32	Occupational cadmium exposure and calcium excretion, bone density, and osteoporosis in men. <i>Journal of Bone and Mineral Research</i> , <b>2010</b> , 25, 1441-5	6.3	61
31	Higher circulating levels of IGF-1 are associated with longer leukocyte telomere length in healthy subjects. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 771-6	5.6	48
30	Oxidative properties of ambient PM2.5 and elemental composition: Heterogeneous associations in 19 European cities. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 4595-4602	5.3	46

29	Induction of IL-6 and inhibition of IL-8 secretion in the human airway cell line Calu-3 by urban particulate matter collected with a modified method of PM sampling. <i>Environmental Research</i> , <b>2009</b> , 109, 528-35	7.9	64
28	High human exposure to cobalt and other metals in Katanga, a mining area of the Democratic Republic of Congo. <i>Environmental Research</i> , <b>2009</b> , 109, 745-52	7.9	152
27	C-reactive protein: a new predictor of adverse outcome in pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 1211-8	15.1	174
26	Heritability and intrafamilial aggregation of arterial characteristics. <i>Journal of Hypertension</i> , <b>2008</b> , 26, 721-8	1.9	27
25	Cadmium-related mortality and long-term secular trends in the cadmium body burden of an environmentally exposed population. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 1620-8	8.4	108
24	Bone resorption and environmental exposure to cadmium in women: a population study. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 777-83	8.4	141
23	Update in environmental and occupational medicine 2006. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 175, 758-62	10.2	3
22	Particulate matter in the environment: pulmonary and cardiovascular effects. <i>Current Opinion in Pulmonary Medicine</i> , <b>2007</b> , 13, 98-106	3	81
21	House dust as possible route of environmental exposure to cadmium and lead in the adult general population. <i>Environmental Research</i> , <b>2007</b> , 103, 30-7	7.9	154
20	Blood pressure and blood selenium: a cross-sectional and longitudinal population study. <i>European Heart Journal</i> , <b>2007</b> , 28, 628-33	9.5	84
19	Air pollution: To the heart of the matter. <i>European Heart Journal</i> , <b>2006</b> , 27, 2269-71	9.5	21
18	Carotid intima-media thickness and antihypertensive treatment: a meta-analysis of randomized controlled trials. <i>Stroke</i> , <b>2006</b> , 37, 1933-40	6.7	220
17	Ambulatory arterial stiffness index derived from 24-hour ambulatory blood pressure monitoring. <i>Hypertension</i> , <b>2006</b> , 47, 359-64	8.5	269
16	Low-level environmental exposure to lead unmasked as silent killer. <i>Circulation</i> , <b>2006</b> , 114, 1347-9	16.7	52
15	Response to Correlating Ambulatory Blood Pressure Measurements With Arterial Stiffness: A Conceptual Inconsistency. <i>Hypertension</i> , <b>2006</b> , 48,	8.5	4
14	Environmental exposure to cadmium and risk of cancer: a prospective population-based study. <i>Lancet Oncology</i> , <b>2006</b> , 7, 119-26	21.7	438
13	Reference values in white Europeans for the arterial pulse wave recorded by means of the SphygmoCor device. <i>Hypertension Research</i> , <b>2006</b> , 29, 475-83	4.7	57
12	Prevalence, persistence, and clinical significance of masked hypertension in youth. <i>Hypertension</i> , <b>2005</b> , 45, 493-8	8.5	293

11	Endothelial function and outdoor temperature. <i>European Journal of Epidemiology</i> , <b>2005</b> , 20, 407-10	12.1	42
10	Peripheral arterial disease and metals in urine and blood. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, A510-1; author reply A511	8.4	7
9	Prevalence of hypertension, hypercholesterolemia, smoking and overweight in older Belgian adolescents. <i>European Journal of Public Health</i> , <b>2004</b> , 14, 361-5	2.1	12
8	Telomere length and possible link to X chromosome. <i>Lancet, The</i> , <b>2004</b> , 363, 507-10	40	289
7	Association of peripheral and central arterial wave reflections with the CYP11B2 -344C allele and sodium excretion. <i>Journal of Hypertension</i> , <b>2004</b> , 22, 2311-9	1.9	27
6	Isolated systolic hypertension and the risk of vascular disease. <i>Current Hypertension Reports</i> , <b>2003</b> , 5, 372-9	4.7	17
5	Blood pressure, serum total cholesterol and contraceptive pill use in 17-year-old girls. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2003</b> , 10, 438-42		15
4	Host and environmental determinants of polychlorinated aromatic hydrocarbons in serum of adolescents. <i>Environmental Health Perspectives</i> , <b>2002</b> , 110, 583-9	8.4	37
3	Immunologic biomarkers in relation to exposure markers of PCBs and dioxins in Flemish adolescents (Belgium). <i>Environmental Health Perspectives</i> , <b>2002</b> , 110, 595-600	8.4	82
2	Sexual maturation in relation to polychlorinated aromatic hydrocarbons: Sharpe and Skakkebaek's hypothesis revisited. <i>Environmental Health Perspectives</i> , <b>2002</b> , 110, 771-6	8.4	177
1	Renal function, cytogenetic measurements, and sexual development in adolescents in relation to environmental pollutants: a feasibility study of biomarkers. <i>Lancet, The</i> , <b>2001</b> , 357, 1660-9	40	170