

# GÅrnan Pershagen

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

8,986  
citations

44069

48  
h-index

46799

89  
g-index

125  
all docs

125  
docs citations

125  
times ranked

12407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of long-term exposure to air pollution on natural-cause mortality: an analysis of 22 European cohorts within the multicentre ESCAPE project. <i>Lancet</i> , The, 2014, 383, 785-795.	13.7	1,077
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.	6.2	717
3	Ambient air pollution and low birthweight: a European cohort study (ESCAPE). <i>Lancet Respiratory Medicine</i> , the, 2013, 1, 695-704.	10.7	464
4	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018, 50, 42-53.	21.4	426
5	WHO Environmental Noise Guidelines for the European Region: A Systematic Review on Environmental Noise and Cardiovascular and Metabolic Effects: A Summary. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 379.	2.6	356
6	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.	21.4	218
7	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , 2017, 26, 4067-4085.	2.9	211
8	Lung cancer and cigarette smoking in Europe: An update of risk estimates and an assessment of inter-country heterogeneity. <i>International Journal of Cancer</i> , 2001, 91, 876-887.	5.1	174
9	DNA methylation in childhood asthma: an epigenome-wide meta-analysis. <i>Lancet Respiratory Medicine</i> , the, 2018, 6, 379-388.	10.7	170
10	Meta-analysis identifies seven susceptibility loci involved in the atopic march. <i>Nature Communications</i> , 2015, 6, 8804.	12.8	148
11	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2062-2074.	2.9	147
12	Air Pollution Involving Nitrogen Dioxide Exposure and Wheezing Bronchitis in Children. <i>International Journal of Epidemiology</i> , 1995, 24, 1147-1153.	1.9	141
13	Long-term exposure to low ambient air pollution concentrations and mortality among 28 million people: results from seven large European cohorts within the ELAPSE project. <i>Lancet Planetary Health</i> , The, 2022, 6, e9-e18.	11.4	130
14	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). <i>European Heart Journal</i> , 2017, 38, ehw413.	2.2	128
15	Long-term exposure to elemental constituents of particulate matter and cardiovascular mortality in 19 European cohorts: Results from the ESCAPE and TRANSPHORM projects. <i>Environment International</i> , 2014, 66, 97-106.	10.0	127
16	Long-term exposure to low-level ambient air pollution and incidence of stroke and coronary heart disease: a pooled analysis of six European cohorts within the ELAPSE project. <i>Lancet Planetary Health</i> , The, 2021, 5, e620-e632.	11.4	123
17	Cumulative arsenic exposure and lung cancer in smelter workers: A dose-response study. <i>American Journal of Industrial Medicine</i> , 1989, 15, 31-41.	2.1	113
18	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019, 127, 57012.	6.0	111

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19	Comparing land use regression and dispersion modelling to assess residential exposure to ambient air pollution for epidemiological studies. <i>Environment International</i> , 2014, 73, 382-392.	10.0	109
20	Early-Life Exposure to Traffic-related Air Pollution and Lung Function in Adolescence. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 171-177.	5.6	109
21	Pre- and Postnatal Exposure to Parental Smoking and Allergic Disease Through Adolescence. <i>Pediatrics</i> , 2014, 134, 428-434.	2.1	108
22	Genome-Wide Interaction Analysis of Air Pollution Exposure and Childhood Asthma with Functional Follow-up. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1373-1383.	5.6	107
23	Genome-wide association and HLA fine-mapping studies identify risk loci and genetic pathways underlying allergic rhinitis. <i>Nature Genetics</i> , 2018, 50, 1072-1080.	21.4	106
24	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.	1.9	105
25	Long-Term Exposure to Ambient Air Pollution and Incidence of Postmenopausal Breast Cancer in 15 European Cohorts within the ESCAPE Project. <i>Environmental Health Perspectives</i> , 2017, 125, 107005.	6.0	104
26	Long-Term Exposure to Particulate Air Pollution, Black Carbon, and Their Source Components in Relation to Ischemic Heart Disease and Stroke. <i>Environmental Health Perspectives</i> , 2019, 127, 107012.	6.0	101
27	Exposure to traffic noise and markers of obesity. <i>Occupational and Environmental Medicine</i> , 2015, 72, 594-601.	2.8	98
28	Long term exposure to low level air pollution and mortality in eight European cohorts within the ELAPSE project: pooled analysis. <i>BMJ</i> , The, 2021, 374, n1904.	6.0	93
29	LifeGene—a large prospective population-based study of global relevance. <i>European Journal of Epidemiology</i> , 2011, 26, 67-77.	5.7	91
30	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. <i>Genome Medicine</i> , 2020, 12, 25.	8.2	81
31	Long-term low-level ambient air pollution exposure and risk of lung cancer — A pooled analysis of 7 European cohorts. <i>Environment International</i> , 2021, 146, 106249.	10.0	79
32	Long-term effects of elemental composition of particulate matter on inflammatory blood markers in European cohorts. <i>Environment International</i> , 2015, 82, 76-84.	10.0	77
33	Cancer incidence in female smokers: A 26-year follow-up. , 1997, 73, 625-628.		76
34	Meta-analysis of air pollution exposure association with allergic sensitization in European birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 767-776.e7.	2.9	76
35	Road traffic noise and markers of obesity — A population-based study. <i>Environmental Research</i> , 2015, 138, 144-153.	7.5	75
36	Exposure to Traffic-Related Air Pollution and Serum Inflammatory Cytokines in Children. <i>Environmental Health Perspectives</i> , 2017, 125, 067007.	6.0	71

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37	Dietary factors and risk of lung cancer in never-smokers. , 1998, 78, 430-436.		66
38	Risk of childhood asthma is associated with CpG-site polymorphisms, regional DNA methylation and mRNA levels at the GSDMB/ORMDL3 locus. Human Molecular Genetics, 2015, 24, 875-890.	2.9	66
39	Detection of IgE Reactivity to a Handful of Allergen Molecules in Early Childhood Predicts Respiratory Allergy in Adolescence. EBioMedicine, 2017, 26, 91-99.	6.1	66
40	Long-term exposure to ambient air pollution and incidence of brain tumor: the European Study of Cohorts for Air Pollution Effects (ESCAPE). Neuro-Oncology, 2018, 20, 420-432.	1.2	66
41	Long-Term Exposure to Transportation Noise in Relation to Development of Obesity—a Cohort Study. Environmental Health Perspectives, 2017, 125, 117005.	6.0	63
42	Prenatal x-ray exposure and childhood cancer in swedish twins. International Journal of Cancer, 1990, 46, 362-365.	5.1	62
43	Air pollution and incidence of cancers of the stomach and the upper aerodigestive tract in the European Study of Cohorts for Air Pollution Effects (ESCAPE). International Journal of Cancer, 2018, 143, 1632-1643.	5.1	57
44	Particulate matter air pollution components and incidence of cancers of the stomach and the upper aerodigestive tract in the European Study of Cohorts of Air Pollution Effects (ESCAPE). Environment International, 2018, 120, 163-171.	10.0	56
45	Male sex is strongly associated with IgE-sensitization to airborne but not food allergens: results up to age 24 years from the BAMSE birth cohort. Clinical and Translational Allergy, 2020, 10, 15.	3.2	53
46	Long-Term Exposure to Fine Particle Elemental Components and Natural and Cause-Specific Mortality—a Pooled Analysis of Eight European Cohorts within the ELAPSE Project. Environmental Health Perspectives, 2021, 129, 47009.	6.0	53
47	Tobacco smoke exposure in early life and adolescence in relation to lung function. European Respiratory Journal, 2018, 51, 1702111.	6.7	52
48	Air Pollution Exposure During Pregnancy and Symptoms of Attention Deficit and Hyperactivity Disorder in Children in Europe. Epidemiology, 2018, 29, 618-626.	2.7	51
49	Long-term exposure to low-level air pollution and incidence of chronic obstructive pulmonary disease: The ELAPSE project. Environment International, 2021, 146, 106267.	10.0	50
50	Childhood-to-adolescence evolution of IgE antibodies to pollens and plant foods in the BAMSE cohort. Journal of Allergy and Clinical Immunology, 2014, 133, 580-582.e8.	2.9	49
51	Traffic-related air pollution exposure and incidence of stroke in four cohorts from Stockholm. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 517-523.	3.9	49
52	Spatial variation of PM elemental composition between and within 20 European study areas — Results of the ESCAPE project. Environment International, 2015, 84, 181-192.	10.0	49
53	Maternal Smoking during Pregnancy and Early Childhood and Development of Asthma and Rhinoconjunctivitis — a MeDALL Project. Environmental Health Perspectives, 2018, 126, 047005.	6.0	48
54	Novel childhood asthma genes interact with in utero and early-life tobacco smoke exposure. Journal of Allergy and Clinical Immunology, 2014, 133, 885-888.	2.9	47

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55	A European validation study of smoking and environmental tobacco smoke exposure in nonsmoking lung cancer cases and controls. <i>Cancer Causes and Control</i> , 1998, 9, 173-182.	1.8	46
56	Outdoor air pollution and risk for kidney parenchyma cancer in 14 European cohorts. <i>International Journal of Cancer</i> , 2017, 140, 1528-1537.	5.1	44
57	Exposure to nonmicrobial N-glycolylneuraminic acid protects farmers' children against airway inflammation and colitis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 382-390.e7.	2.9	44
58	Long-term transportation noise exposure and incidence of ischaemic heart disease and stroke: a cohort study. <i>Occupational and Environmental Medicine</i> , 2019, 76, 201-207.	2.8	43
59	Parallel Analyses of Individual and Ecologic Data on Residential Radon, Cofactors, and Lung Cancer in Sweden. <i>American Journal of Epidemiology</i> , 1999, 149, 268-274.	3.4	40
60	Expression of Genes Related to Anti-Inflammatory Pathways Are Modified Among Farmers' Children. <i>PLoS ONE</i> , 2014, 9, e91097.	2.5	40
61	Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. <i>European Respiratory Journal</i> , 2021, 57, 2003099.	6.7	40
62	Associations between particulate matter elements and early-life pneumonia in seven birth cohorts: Results from the ESCAPE and TRANSPHORM projects. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 819-829.	4.3	36
63	Assessment of chronic bronchitis and risk factors in young adults: results from BAMSE. <i>European Respiratory Journal</i> , 2021, 57, 2002120.	6.7	35
64	Long-term exposure to air pollution and liver cancer incidence in six European cohorts. <i>International Journal of Cancer</i> , 2021, 149, 1887-1897.	5.1	35
65	Atopic dermatitis: Interaction between genetic variants of <i>GSTP1</i> , <i>TNF</i> , and <i>TLR2</i> , and <i>TLR4</i> and air pollution in early life. <i>Pediatric Allergy and Immunology</i> , 2018, 29, 596-605.	2.6	33
66	Is There an Association Between Ambient Air Pollution and Bladder Cancer Incidence? Analysis of 15 European Cohorts. <i>European Urology Focus</i> , 2018, 4, 113-120.	3.1	33
67	Early life determinants of lung function change from childhood to adolescence. <i>Respiratory Medicine</i> , 2018, 139, 48-54.	2.9	32
68	Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. <i>Environmental Research</i> , 2021, 193, 110568.	7.5	32
69	Childhood cancer among Swedish twins. <i>Cancer Causes and Control</i> , 1992, 3, 527-532.	1.8	31
70	GIMAP GTPase Family Genes: Potential Modifiers in Autoimmune Diabetes, Asthma, and Allergy. <i>Journal of Immunology</i> , 2015, 194, 5885-5894.	0.8	30
71	Early life exposure to traffic-related air pollution and lung function in adolescence assessed with impulse oscillometry. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 930-932.e5.	2.9	30
72	Can dispersion modeling of air pollution be improved by land-use regression? An example from Stockholm, Sweden. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 575-581.	3.9	30

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73	Oral Microbiota Development in Early Childhood. <i>Scientific Reports</i> , 2019, 9, 19025.	3.3	30
74	Transportation noise and incidence of hypertension. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 1133-1141.	4.3	29
75	<scp>DNA</scp> methylation and allergic sensitizations: A genome-scale longitudinal study during adolescence. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1166-1175.	5.7	28
76	Limited association between markers of stress during pregnancy and fetal growth in "Born into Life", a new prospective birth cohort. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1003-1010.	1.5	27
77	The role of aircraft noise annoyance and noise sensitivity in the association between aircraft noise levels and hypertension risk: Results of a pooled analysis from seven European countries. <i>Environmental Research</i> , 2020, 191, 110179.	7.5	27
78	DNA Methylation Trajectories During Pregnancy. <i>Epigenetics Insights</i> , 2019, 12, 251686571986709.	2.0	26
79	Genetic regulation of <i>IL1RL1</i> methylation and IL1RL1-a protein levels in asthma. <i>European Respiratory Journal</i> , 2018, 51, 1701377.	6.7	24
80	Development of gut microbiota during the first 2 years of life. <i>Scientific Reports</i> , 2022, 12, .	3.3	23
81	Road traffic noise and determinants of saliva cortisol levels among adolescents. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 276-282.	4.3	22
82	Traffic noise exposure in relation to adverse birth outcomes and body mass between birth and adolescence. <i>Environmental Research</i> , 2019, 169, 362-367.	7.5	22
83	Doublesex and mab-3 related transcription factor 1 (DMRT1) is a sex-specific genetic determinant of childhood-onset asthma and is expressed in testis and macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 421-431.	2.9	21
84	Transportation noise linked to cardiovascular disease independent from air pollution. <i>European Heart Journal</i> , 2019, 40, 604-606.	2.2	19
85	Early-life risk factors for reversible and irreversible airflow limitation in young adults: findings from the BAMSE birth cohort. <i>Thorax</i> , 2021, 76, 503-507.	5.6	19
86	Modeling multi-level survival data in multi-center epidemiological cohort studies: Applications from the ELAPSE project. <i>Environment International</i> , 2021, 147, 106371.	10.0	19
87	Longitudinal plasma inflammatory proteome profiling during pregnancy in the Born into Life study. <i>Scientific Reports</i> , 2020, 10, 17819.	3.3	18
88	DNA Methylation Levels in Mononuclear Leukocytes from the Mother and Her Child Are Associated with IgE Sensitization to Allergens in Early Life. <i>International Journal of Molecular Sciences</i> , 2021, 22, 801.	4.1	18
89	DNA methylation and genetic polymorphisms of the Leptin gene interact to influence lung function outcomes and asthma at 18 years of age. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2016, 7, 1-17.	0.4	17
90	Long-term Air Pollution Exposure and Pneumonia-related Mortality in a Large Pooled European Cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1429-1439.	5.6	17

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91	Associations between the 17q21 region and allergic rhinitis in 5 birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 573-576.e5.	2.9	15
92	Occupational exposure to diesel motor exhaust and risk of lung cancer by histological subtype: a population-based case-control study in Swedish men. <i>European Journal of Epidemiology</i> , 2017, 32, 711-719.	5.7	15
93	Can immunization affect the development of allergy?. <i>Pediatric Allergy and Immunology</i> , 2000, 11, 26-28.	2.6	14
94	Risk of lung cancer from exposure to environmental tobacco smoke from cigars, cigarillos and pipes. , 1999, 83, 805-806.		12
95	Hypomethylation of HOXA4 promoter is common in Silver-Russell syndrome and growth restriction and associates with stature in healthy children. <i>Scientific Reports</i> , 2017, 7, 15693.	3.3	12
96	Normal values for calprotectin in stool samples of infants from the population-based longitudinal born into life study. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2018, 78, 120-124.	1.2	12
97	Vaccination and Allergic Sensitization in Early Childhood – The ALADDIN Birth Cohort. <i>EClinicalMedicine</i> , 2018, 4-5, 92-98.	7.1	12
98	Traffic noise and other determinants of blood pressure in adolescence. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 824-830.	4.3	12
99	Saliva cortisol in relation to aircraft noise exposure: pooled-analysis results from seven European countries. <i>Environmental Health</i> , 2019, 18, 102.	4.0	12
100	Long-term exposure to ambient air pollution and bladder cancer incidence in a pooled European cohort: the ELAPSE project. <i>British Journal of Cancer</i> , 2022, 126, 1499-1507.	6.4	12
101	Association of Short-term Air Pollution Exposure With SARS-CoV-2 Infection Among Young Adults in Sweden. <i>JAMA Network Open</i> , 2022, 5, e228109.	5.9	12
102	Long-Term Exposure to Source-Specific Fine Particles and Mortality – A Pooled Analysis of 14 European Cohorts within the ELAPSE Project. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9277-9290.	10.0	11
103	Long-term exposure to particulate air pollution and black carbon in relation to natural and cause-specific mortality: a multicohort study in Sweden. <i>BMJ Open</i> , 2021, 11, e046040.	1.9	10
104	Predictors of electronic cigarette use and its association with respiratory health and obesity in young adulthood in Sweden; findings from the population-based birth cohort BAMSE. <i>Environmental Research</i> , 2022, 208, 112760.	7.5	10
105	Using Distributed Lag Non-Linear Models to Estimate Exposure Lag-Response Associations between Long-Term Air Pollution Exposure and Incidence of Cardiovascular Disease. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2630.	2.6	10
106	Nocturnal asthma is affected by genetic interactions between <i>RORA</i> and <i>NPSR1</i> . <i>Pediatric Pulmonology</i> , 2019, 54, 847-857.	2.0	9
107	Noise exposure and childhood asthma up to adolescence. <i>Environmental Research</i> , 2020, 185, 109404.	7.5	9
108	The role of aircraft noise annoyance and noise sensitivity in the association between aircraft noise levels and medication use: results of a pooled-analysis from seven European countries. <i>BMC Public Health</i> , 2021, 21, 300.	2.9	9



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109	Air pollution exposure impairs lung function in infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2022, 111, 1788-1794.	1.5	9
110	Effects of inhaled corticosteroids on DNA methylation in peripheral blood cells in children with asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 688-691.	5.7	8
111	Time trends in occupational risks of lung cancer among Swedish men from 1961–1979. <i>American Journal of Industrial Medicine</i> , 1989, 15, 441-448.	2.1	6
112	DNA methylation differences at birth after conception through ART. <i>Human Reproduction</i> , 2020, 36, 248-259.	0.9	6
113	Antibodies against Phosphorylcholine and Malondialdehyde during the First Two Years of Life. <i>Journal of Immunology</i> , 2020, 205, 2109-2116.	0.8	6
114	Smoking and snuff use in pregnancy and the risk of asthma and wheeze in pre-“schoolchildren” A population-based register study. <i>Clinical and Experimental Allergy</i> , 2020, 50, 597-608.	2.9	6
115	Validation of a questionnaire to assess dietary habits among 5–13-year old school children of farmers and anthroposophic families. <i>Journal of Nutritional and Environmental Medicine</i> , 2008, 17, 157-168.	0.1	4
116	Allergen-specific IgE over time in women before, during and after pregnancy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 625-628.	5.7	4
117	Resolved allergen-specific IgE sensitization among females and early poly-sensitization among males impact IgE sensitization up to age 24 years. <i>Clinical and Experimental Allergy</i> , 2021, 51, 849-852.	2.9	4
118	Smoking habits among adolescents with asthma – data from a population-based birth cohort. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1003-1005.	5.7	2
119	Association of Maternal DNA Methylation and Offspring Birthweight. <i>Reproductive Sciences</i> , 2021, 28, 218-227.	2.5	2
120	Long-term exposure to ambient air pollution and bladder cancer incidence in a pooled European cohort: the ELAPSE project. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	2
121	Occupational noise exposure and risk of incident stroke: a pooled study of five Scandinavian cohorts. <i>Occupational and Environmental Medicine</i> , 2022, 79, 594-601.	2.8	2
122	Paternal DNA Methylation May Be Associated With Gestational Age at Birth. <i>Epigenetics Insights</i> , 2020, 13, 251686572093070.	2.0	1
123	Age at occupational exposure to combustion products and lung cancer risk among men in Stockholm, Sweden. <i>International Archives of Occupational and Environmental Health</i> , 2016, 89, 271-275.	2.3	0