

Gerard H Koppelman

List of Publications by Citations

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355
papers

16,693
citations

69
h-index

117
g-index

434
ext. papers

20,450
ext. citations

7.9
avg, IF

5.99
L-index

#	Paper	IF	Citations
355	Sequence variants affecting eosinophil numbers associate with asthma and myocardial infarction. <i>Nature Genetics</i> , 2009 , 41, 342-7	36.3	627
354	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016 , 98, 680-96	11	489
353	Allergic Rhinitis and its Impact on Asthma (ARIA): achievements in 10 years and future needs. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 1049-62	11.5	383
352	A cellular census of human lungs identifies novel cell states in health and in asthma. <i>Nature Medicine</i> , 2019 , 25, 1153-1163	50.5	334
351	Mode and place of delivery, gastrointestinal microbiota, and their influence on asthma and atopy. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 948-55.e1-3	11.5	331
350	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2015 , 47, 1449-1456	36.3	329
349	Patterns of Growth and Decline in Lung Function in Persistent Childhood Asthma. <i>New England Journal of Medicine</i> , 2016 , 374, 1842-1852	59.2	312
348	Gene-gene interaction in asthma: IL4RA and IL13 in a Dutch population with asthma. <i>American Journal of Human Genetics</i> , 2002 , 70, 230-6	11	275
347	Shared genetic origin of asthma, hay fever and eczema elucidates allergic disease biology. <i>Nature Genetics</i> , 2017 , 49, 1752-1757	36.3	256
346	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018 , 50, 42-53	36.3	246
345	Comparison of childhood wheezing phenotypes in 2 birth cohorts: ALSPAC and PIAMA. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1505-12.e14	11.5	246
344	Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2011 , 44, 187-92	36.3	244
343	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , 2013 , 45, 76-82	36.3	232
342	Lung eQTLs to help reveal the molecular underpinnings of asthma. <i>PLoS Genetics</i> , 2012 , 8, e1003029	6	218
341	Association of a promoter polymorphism of the CD14 gene and atopy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 965-9	10.2	218
340	Fine mapping and positional candidate studies identify HLA-G as an asthma susceptibility gene on chromosome 6p21. <i>American Journal of Human Genetics</i> , 2005 , 76, 349-57	11	213
339	Identification and association of polymorphisms in the interleukin-13 gene with asthma and atopy in a Dutch population. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001 , 25, 377-84	5.7	204

338	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. <i>Human Molecular Genetics</i> , 2016 , 25, 389-403	5.6	202
337	Comorbidity of eczema, rhinitis, and asthma in IgE-sensitised and non-IgE-sensitised children in MeDALL: a population-based cohort study. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 131-40	35.1	194
336	Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. <i>Nature Genetics</i> , 2013 , 45, 902-906	36.3	191
335	Variants in ADCY5 and near CCNL1 are associated with fetal growth and birth weight. <i>Nature Genetics</i> , 2010 , 42, 430-5	36.3	184
334	Air pollution and respiratory infections during early childhood: an analysis of 10 European birth cohorts within the ESCAPE Project. <i>Environmental Health Perspectives</i> , 2014 , 122, 107-13	8.4	175
333	Polymorphisms of the ADAM33 gene are associated with accelerated lung function decline in asthma. <i>Clinical and Experimental Allergy</i> , 2004 , 34, 757-60	4.1	169
332	Association of a disintegrin and metalloprotease 33 (ADAM33) gene with asthma in ethnically diverse populations. <i>Journal of Allergy and Clinical Immunology</i> , 2003 , 112, 717-22	11.5	169
331	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	5.6	151
330	Genome-wide search for atopy susceptibility genes in Dutch families with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2002 , 109, 498-506	11.5	151
329	Major genes regulating total serum immunoglobulin E levels in families with asthma. <i>American Journal of Human Genetics</i> , 2000 , 67, 1163-73	11	142
328	Exposure to air pollution and development of asthma and rhinoconjunctivitis throughout childhood and adolescence: a population-based birth cohort study. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 933-42	35.1	140
327	Genome-wide association and longitudinal analyses reveal genetic loci linking pubertal height growth, pubertal timing and childhood adiposity. <i>Human Molecular Genetics</i> , 2013 , 22, 2735-47	5.6	138
326	Lung function decline in asthma: association with inhaled corticosteroids, smoking and sex. <i>Thorax</i> , 2006 , 61, 105-10	7.3	135
325	Rectal Organoids Enable Personalized Treatment of Cystic Fibrosis. <i>Cell Reports</i> , 2019 , 26, 1701-1708.e310.6	10.6	132
324	Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO2 Air Pollution Exposure. <i>Environmental Health Perspectives</i> , 2017 , 125, 104-110	8.4	131
323	Association of IL33-IL-1 receptor-like 1 (IL1RL1) pathway polymorphisms with wheezing phenotypes and asthma in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 170-7	11.5	130
322	Predicting the long-term prognosis of children with symptoms suggestive of asthma at preschool age. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 903-10.e1-7	11.5	129
321	Decoding asthma: translating genetic variation in IL33 and IL1RL1 into disease pathophysiology. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 856-65	11.5	128

320	MACVIA-ARIA Sentinel Network for allergic rhinitis (MASK-rhinitis): the new generation guideline implementation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1372-92	9.3	123
319	DNA methylation in childhood asthma: an epigenome-wide meta-analysis. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 379-388	35.1	119
318	MeDALL (Mechanisms of the Development of ALLergy): an integrated approach from phenotypes to systems medicine. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 596-604	9.3	115
317	A sequence variant on 17q21 is associated with age at onset and severity of asthma. <i>European Journal of Human Genetics</i> , 2010 , 18, 902-8	5.3	114
316	Filaggrin mutations in the onset of eczema, sensitization, asthma, hay fever and the interaction with cat exposure. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2009 , 64, 1758-65	9.3	114
315	Genome screen for asthma and bronchial hyperresponsiveness: interactions with passive smoke exposure. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 1169-75	11.5	110
314	Identification of PCDH1 as a novel susceptibility gene for bronchial hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 929-35	10.2	106
313	Meta-analysis identifies seven susceptibility loci involved in the atopic march. <i>Nature Communications</i> , 2015 , 6, 8804	17.4	105
312	Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 388-399	11.5	103
311	Cohort profile: the prevention and incidence of asthma and mite allergy (PIAMA) birth cohort. <i>International Journal of Epidemiology</i> , 2014 , 43, 527-35	7.8	103
310	Traffic-related air pollution, preterm birth and term birth weight in the PIAMA birth cohort study. <i>Environmental Research</i> , 2011 , 111, 125-35	7.9	100
309	The Human Lung Cell Atlas: A High-Resolution Reference Map of the Human Lung in Health and Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 31-41	5.7	98
308	ARIA 2016: Care pathways implementing emerging technologies for predictive medicine in rhinitis and asthma across the life cycle. <i>Clinical and Translational Allergy</i> , 2016 , 6, 47	5.2	95
307	MACVIA clinical decision algorithm in adolescents and adults with allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 367-374.e2	11.5	95
306	Toll-like receptor 2 and 4 genes influence susceptibility to adverse effects of traffic-related air pollution on childhood asthma. <i>Thorax</i> , 2010 , 65, 690-7	7.3	94
305	Common variants at 12q15 and 12q24 are associated with infant head circumference. <i>Nature Genetics</i> , 2012 , 44, 532-538	36.3	94
304	Genome-wide association analysis in asthma subjects identifies SPATS2L as a novel bronchodilator response gene. <i>PLoS Genetics</i> , 2012 , 8, e1002824	6	92
303	Particulate matter composition and respiratory health: the PIAMA Birth Cohort study. <i>Epidemiology</i> , 2015 , 26, 300-9	3.1	90

302	Fine mapping of an IgE-controlling gene on chromosome 2q: Analysis of CTLA4 and CD28. <i>Journal of Allergy and Clinical Immunology</i> , 2002 , 110, 743-51	11.5	90
301	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 2062-2074	11.5	87
300	DNA methylation in nasal epithelium, atopy, and atopic asthma in children: a genome-wide study. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 336-346	35.1	87
299	Predicting who will have asthma at school age among preschool children. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 325-31	11.5	86
298	Genetic Architectures of Childhood- and Adult-Onset Asthma Are Partly Distinct. <i>American Journal of Human Genetics</i> , 2019 , 104, 665-684	11	83
297	Residential greenness is differentially associated with childhood allergic rhinitis and aeroallergen sensitization in seven birth cohorts. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 1461-71	9.3	83
296	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019 , 10, 1893	17.4	79
295	A rare IL33 loss-of-function mutation reduces blood eosinophil counts and protects from asthma. <i>PLoS Genetics</i> , 2017 , 13, e1006659	6	79
294	Genome-wide association study of lung function decline in adults with and without asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 1218-28	11.5	78
293	Identification of atopic dermatitis subgroups in children from 2 longitudinal birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 964-971	11.5	78
292	A novel common variant in DCST2 is associated with length in early life and height in adulthood. <i>Human Molecular Genetics</i> , 2015 , 24, 1155-68	5.6	77
291	Traffic-related air pollution and noise and children's blood pressure: results from the PIAMA birth cohort study. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 4-12	3.9	75
290	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	10.2	71
289	Severe chronic allergic (and related) diseases: a uniform approach--a MeDALL--GA2LEN--ARIA position paper. <i>International Archives of Allergy and Immunology</i> , 2012 , 158, 216-31	3.7	71
288	Interleukin 13 and interleukin 4 receptor-1 polymorphisms in rhinitis and asthma. <i>International Archives of Allergy and Immunology</i> , 2010 , 153, 259-67	3.7	71
287	Communication of biobanks research results: what do (potential) participants want?. <i>American Journal of Medical Genetics, Part A</i> , 2010 , 152A, 2482-92	2.5	70
286	Maternal use of folic acid supplements during pregnancy, and childhood respiratory health and atopy. <i>European Respiratory Journal</i> , 2012 , 39, 1468-74	13.6	68
285	Asthma and chronic obstructive pulmonary disease: common genes, common environments?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 1588-94	10.2	67

284	Are allergic multimorbidities and IgE polysensitization associated with the persistence or re-occurrence of foetal type 2 signalling? The MeDALL hypothesis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1062-78	9.3	66
283	Prediction of asthma in symptomatic preschool children using exhaled nitric oxide, Rint and specific IgE. <i>Thorax</i> , 2010 , 65, 801-7	7.3	66
282	PLAUR polymorphisms are associated with asthma, PLAUR levels, and lung function decline. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 123, 1391-400.e17	11.5	66
281	Association of IL1RL1, IL18R1, and IL18RAP gene cluster polymorphisms with asthma and atopy. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 122, 651-4.e8	11.5	66
280	Arginase 1 and arginase 2 variations associate with asthma, asthma severity and beta2 agonist and steroid response. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 179-86	1.9	65
279	TLR-related pathway analysis: novel gene-gene interactions in the development of asthma and atopy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010 , 65, 199-207	9.3	64
278	Paving the way of systems biology and precision medicine in allergic diseases: the MeDALL success story: Mechanisms of the Development of ALLergy; EU FP7-CP-IP; Project No: 261357; 2010-2015. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 1513-1525	9.3	63
277	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018 , 47, 22-23u	7.8	62
276	Phenotyping asthma, rhinitis and eczema in MeDALL population-based birth cohorts: an allergic comorbidity cluster. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 973-84	9.3	61
275	The importance of genetic influences in asthma. <i>European Respiratory Journal</i> , 1999 , 14, 1210-27	13.6	61
274	Interleukin 13, CD14, pet and tobacco smoke influence atopy in three Dutch cohorts: the allergenic study. <i>European Respiratory Journal</i> , 2008 , 32, 593-602	13.6	60
273	Genomewide screen for pulmonary function in 200 families ascertained for asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 446-52	10.2	60
272	Meta-analysis of air pollution exposure association with allergic sensitization in European birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 767-76.e7	11.5	59
271	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019 , 127, 57012	8.4	58
270	Variants of the FADS1 FADS2 gene cluster, blood levels of polyunsaturated fatty acids and eczema in children within the first 2 years of life. <i>PLoS ONE</i> , 2010 , 5, e13261	3.7	58
269	Interleukin-1 receptor-like 1 polymorphisms are associated with serum IL1RL1-a, eosinophils, and asthma in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 750-6.e1-5	11.5	57
268	GSTP1 and TNF Gene variants and associations between air pollution and incident childhood asthma: the traffic, asthma and genetics (TAG) study. <i>Environmental Health Perspectives</i> , 2014 , 122, 418-24	8.4	56
267	Serum micronutrient concentrations and childhood asthma: the PIAMA birth cohort study. <i>Pediatric Allergy and Immunology</i> , 2011 , 22, 784-93	4.2	56

266	Major recessive gene(s) with considerable residual polygenic effect regulating adult height: confirmation of genomewide scan results for chromosomes 6, 9, and 12. <i>American Journal of Human Genetics</i> , 2002 , 71, 646-50	11	56
265	Understanding the complexity of IgE-related phenotypes from childhood to young adulthood: a Mechanisms of the Development of Allergy (MeDALL) seminar. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 943-54.e4	11.5	55
264	Genome-wide association study of body mass index in 23 000 individuals with and without asthma. <i>Clinical and Experimental Allergy</i> , 2013 , 43, 463-74	4.1	54
263	Gene by environment interaction in asthma. <i>Current Allergy and Asthma Reports</i> , 2006 , 6, 103-11	5.6	52
262	The development of socio-economic health differences in childhood: results of the Dutch longitudinal PIAMA birth cohort. <i>BMC Public Health</i> , 2011 , 11, 225	4.1	51
261	Meta-analysis of genome-wide linkage studies of asthma and related traits. <i>Respiratory Research</i> , 2008 , 9, 38	7.3	51
260	Association of season of birth with DNA methylation and allergic disease. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 1314-24	9.3	51
259	Transient early wheeze and lung function in early childhood associated with chronic obstructive pulmonary disease genes. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 68-76.e1-4	11.5	50
258	Genome-wide association study and meta-analysis in multiple populations identifies new loci for peanut allergy and establishes C11orf30/EMSY as a genetic risk factor for food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 991-1001	11.5	47
257	Smoke exposure interacts with ADAM33 polymorphisms in the development of lung function and hyperresponsiveness. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2009 , 64, 898-904	9.3	47
256	Elemental composition of particulate matter and the association with lung function. <i>Epidemiology</i> , 2014 , 25, 648-57	3.1	46
255	Beta2 adrenoceptor promoter polymorphisms: extended haplotypes and functional effects in peripheral blood mononuclear cells. <i>Thorax</i> , 2002 , 57, 61-6	7.3	46
254	Nuclear Receptor Nur77 Attenuates Airway Inflammation in Mice by Suppressing NF- κ B Activity in Lung Epithelial Cells. <i>Journal of Immunology</i> , 2015 , 195, 1388-98	5.3	45
253	Polymorphisms in SPINK5 are not associated with asthma in a Dutch population. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 486-92	11.5	45
252	Revisiting the Dutch hypothesis. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 521-9	11.5	44
251	Predicting asthma in preschool children with asthma-like symptoms: validating and updating the PIAMA risk score. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 1303-10	11.5	44
250	Meta-analysis of 20 genome-wide linkage studies evidenced new regions linked to asthma and atopy. <i>European Journal of Human Genetics</i> , 2010 , 18, 700-6	5.3	44
249	Gene-gene interaction in regulatory T-cell function in atopy and asthma development in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 338-46, 346.e1-10	11.5	44

248	Perinatal risk factors for wheezing phenotypes in the first 8 years of life. <i>Clinical and Experimental Allergy</i> , 2013 , 43, 1395-405	4.1	42
247	Association of interacting genes in the toll-like receptor signaling pathway and the antibody response to pertussis vaccination. <i>PLoS ONE</i> , 2008 , 3, e3665	3.7	41
246	Arg16 ADRB2 genotype increases the risk of asthma exacerbation in children with a reported use of long-acting β -agonists: results of the PACMAN cohort. <i>Pharmacogenomics</i> , 2013 , 14, 1965-71	2.6	40
245	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. <i>Developmental Cell</i> , 2019 , 49, 10-29	10.2	39
244	Prediction of the severity of allergic reactions to foods. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 1532-1540	9.3	39
243	The associations of air pollution, traffic noise and green space with overweight throughout childhood: The PIAMA birth cohort study. <i>Environmental Research</i> , 2019 , 169, 348-356	7.9	39
242	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	14.4	37
241	Shared genetic variants suggest common pathways in allergy and autoimmune diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 771-781	11.5	36
240	Combining genomewide association study and lung eQTL analysis provides evidence for novel genes associated with asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 1712-1720	9.3	36
239	Novel childhood asthma genes interact with in utero and early-life tobacco smoke exposure. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 885-8	11.5	36
238	Building Bridges for Innovation in Ageing: Synergies between Action Groups of the EIP on AHA. <i>Journal of Nutrition, Health and Aging</i> , 2017 , 21, 92-104	5.2	36
237	Uncontrolled asthma at age 8: the importance of parental perception towards medication. <i>Pediatric Allergy and Immunology</i> , 2011 , 22, 462-8	4.2	36
236	Associations between particulate matter composition and childhood blood pressure--The PIAMA study. <i>Environment International</i> , 2015 , 84, 1-6	12.9	35
235	Associations of sugar-containing beverages with asthma prevalence in 11-year-old children: the PIAMA birth cohort. <i>European Journal of Clinical Nutrition</i> , 2015 , 69, 303-8	5.2	35
234	Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. <i>European Respiratory Journal</i> , 2014 , 44, 860-72	13.6	35
233	Nasal DNA methylation profiling of asthma and rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 1655-1663	11.5	34
232	Scaling up strategies of the chronic respiratory disease programme of the European Innovation Partnership on Active and Healthy Ageing (Action Plan B3: Area 5). <i>Clinical and Translational Allergy</i> , 2016 , 6, 29	5.2	34
231	Genetics of onset of asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2013 , 13, 193-202	3.3	34

230	Recent advances in the epigenetics and genomics of asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2011 , 11, 414-9	3.3	34
229	Developmental determinants in non-communicable chronic diseases and ageing. <i>Thorax</i> , 2015 , 70, 595-77.3		33
228	The genetics of asthma and the promise of genomics-guided drug target discovery. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1045-1056	35.1	33
227	Interaction of a 17q12 variant with both fetal and infant smoke exposure in the development of childhood asthma-like symptoms. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 767-74	9.3	32
226	The emerging landscape of dynamic DNA methylation in early childhood. <i>BMC Genomics</i> , 2017 , 18, 25	4.5	32
225	E-cadherin gene polymorphisms in asthma patients using inhaled corticosteroids. <i>European Respiratory Journal</i> , 2011 , 38, 1044-52	13.6	32
224	Identifying novel genes contributing to asthma pathogenesis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2007 , 7, 69-74	3.3	32
223	Time in bed, sleep quality and associations with cardiometabolic markers in children: the Prevention and Incidence of Asthma and Mite Allergy birth cohort study. <i>Journal of Sleep Research</i> , 2014 , 23, 3-12	5.8	31
222	IL1RL1 gene variants and nasopharyngeal IL1RL1-a levels are associated with severe RSV bronchiolitis: a multicenter cohort study. <i>PLoS ONE</i> , 2012 , 7, e34364	3.7	31
221	Identification of polymorphisms in the human glucocorticoid receptor gene (NR3C1) in a multi-racial asthma case and control screening panel. <i>DNA Sequence</i> , 2004 , 15, 167-73		31
220	Pharmacogenetics of anti-inflammatory treatment in children with asthma: rationale and design of the PACMAN cohort. <i>Pharmacogenomics</i> , 2009 , 10, 1351-61	2.6	30
219	Polymorphisms in the TLR6 gene associated with the inverse association between childhood acute lymphoblastic leukemia and atopic disease. <i>Leukemia</i> , 2012 , 26, 1203-10	10.7	29
218	Childhood wheezing phenotypes and FeNO in atopic children at age 8. <i>Clinical and Experimental Allergy</i> , 2012 , 42, 1329-36	4.1	29
217	Host-microbial interactions in childhood atopy: toll-like receptor 4 (TLR4), CD14, and fecal <i>Escherichia coli</i> . <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 231-6.e1-5	11.5	29
216	X-chromosome Forkhead Box P3 polymorphisms associate with atopy in girls in three Dutch birth cohorts. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010 , 65, 865-74	9.3	29
215	Genome-wide protein QTL mapping identifies human plasma kallikrein as a post-translational regulator of serum uPAR levels. <i>FASEB Journal</i> , 2014 , 28, 923-34	0.9	28
214	Intestinal lactobacilli and the DC-SIGN gene for their recognition by dendritic cells play a role in the aetiology of allergic manifestations. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3298-3305	2.9	28
213	Characterization of protocadherin-1 expression in primary bronchial epithelial cells: association with epithelial cell differentiation. <i>FASEB Journal</i> , 2012 , 26, 439-48	0.9	28

212	Contact dermatitis in the construction industry: the role of filaggrin loss-of-function mutations. <i>British Journal of Dermatology</i> , 2016 , 174, 348-55	4	28
211	Eleven loci with new reproducible genetic associations with allergic disease risk. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 691-699	11.5	28
210	A novel whole blood gene expression signature for asthma, dermatitis, and rhinitis multimorbidity in children and adolescents. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 3248-3260	9.3	27
209	Early introduction of complementary foods and childhood overweight in breastfed and formula-fed infants in the Netherlands: the PIAMA birth cohort study. <i>European Journal of Nutrition</i> , 2018 , 57, 1985-1993	5.3	27
208	TRPA1 gene polymorphisms and childhood asthma. <i>Pediatric Allergy and Immunology</i> , 2017 , 28, 191-198	4.2	27
207	Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 46-55	11.5	27
206	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
205	Computational analysis of multimorbidity between asthma, eczema and rhinitis. <i>PLoS ONE</i> , 2017 , 12, e0179125	3.7	26
204	Atopic dermatitis: Interaction between genetic variants of GSTP1, TNF, TLR2, and TLR4 and air pollution in early life. <i>Pediatric Allergy and Immunology</i> , 2018 , 29, 596-605	4.2	26
203	Air pollution exposure and lung function until age 16 years: the PIAMA birth cohort study. <i>European Respiratory Journal</i> , 2018 , 52,	13.6	26
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91	Fatty acid composition in breastfeeding and school performance in children aged 12 years. <i>European Journal of Nutrition</i> , 2016 , 55, 2199-207	5.2	6
90	Patterns of asthma medication use: early asthma therapy initiation and asthma outcomes at age 8. <i>Pharmacoepidemiology and Drug Safety</i> , 2010 , 19, 991-9	2.6	6
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40	Determinants of expression of SARS-CoV-2 entry-related genes in upper and lower airways. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	3
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37	Residential PM exposure and the nasal methylome in children. <i>Environment International</i> , 2021 , 153, 106505	12.9	3
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35	Data-driven Asthma Phenotypes in Childhood. Does the Environment Hold the Clue?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 545-546	10.2	2
34	Does breast milk adiponectin affect BMI and cardio-metabolic markers in childhood?. <i>British Journal of Nutrition</i> , 2019 , 121, 905-913	3.6	2
33	Asthma in 9-year-old children of subfertile couples is not associated with in vitro fertilization procedures. <i>European Journal of Pediatrics</i> , 2019 , 178, 1493-1499	4.1	2

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23	Towards diversity in asthma pharmacogenetics. <i>The Lancet Child and Adolescent Health</i> , 2021 , 5, 838-839	14.5	1
22	Low health-related quality of life is associated with declining home introduction of suspected food allergens. <i>Clinical and Experimental Allergy</i> , 2021 , 52, 201	4.1	1
21	Identifying a nasal gene expression signature associated with hyperinflation and treatment response in severe COPD. <i>Scientific Reports</i> , 2020 , 10, 17415	4.9	1
20	An update on the epigenetics of asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2021 , 21, 175-181	3.3	1
19	Grandmaternal smoking, asthma and lung function in the offspring: the Lifelines cohort study. <i>Thorax</i> , 2021 , 76, 441-447	7.3	1
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