Gerard H Koppelman

List of Publications by Year
in descending order

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373 papers	23,290 citations	7568 77 h-index	12272 133 g-index
434 all docs	434 docs citations	434 times ranked	27575 citing authors

#	Article	IF	Citations
1	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. American Journal of Human Genetics, 2016, 98, 680-696.	6.2	717
2	Sequence variants affecting eosinophil numbers associate with asthma and myocardial infarction. Nature Genetics, 2009, 41, 342-347.	21.4	709
3	A cellular census of human lungs identifies novel cell states in health and in asthma. Nature Medicine, 2019, 25, 1153-1163.	30.7	631
4	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. Nature Genetics, 2015, 47, 1449-1456.	21.4	529
5	Allergic Rhinitis and its Impact on Asthma (ARIA): Achievements in 10 years and future needs. Journal of Allergy and Clinical Immunology, 2012, 130, 1049-1062.	2.9	486
6	Patterns of Growth and Decline in Lung Function in Persistent Childhood Asthma. New England Journal of Medicine, 2016, 374, 1842-1852.	27.0	456
7	Shared genetic origin of asthma, hay fever and eczema elucidates allergic disease biology. Nature Genetics, 2017, 49, 1752-1757.	21.4	432
8	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. Nature Genetics, 2018, 50, 42-53.	21.4	426
9	Mode and place of delivery, gastrointestinal microbiota, and their influence on asthma and atopy. Journal of Allergy and Clinical Immunology, 2011, 128, 948-955.e3.	2.9	406
10	Gene-Gene Interaction in Asthma: IL4RA and IL13 in a Dutch Population with Asthma. American Journal of Human Genetics, 2002, 70, 230-236.	6.2	313
11	Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. Nature Genetics, 2012, 44, 187-192.	21.4	311
12	Comparison of childhood wheezing phenotypes in 2 birth cohorts: ALSPAC and PIAMA. Journal of Allergy and Clinical Immunology, 2011, 127, 1505-1512.e14.	2.9	306
13	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. Nature Genetics, 2013, 45, 76-82.	21.4	293
14	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. Human Molecular Genetics, 2016, 25, 389-403.	2.9	275
15	Biologic Therapies for Severe Asthma. New England Journal of Medicine, 2022, 386, 157-171.	27.0	268
16	Lung eQTLs to Help Reveal the Molecular Underpinnings of Asthma. PLoS Genetics, 2012, 8, e1003029.	3.5	261
17	Comorbidity of eczema, rhinitis, and asthma in IgE-sensitised and non-IgE-sensitised children in MeDALL: a population-based cohort study. Lancet Respiratory Medicine,the, 2014, 2, 131-140.	10.7	250
18	Fine Mapping and Positional Candidate Studies Identify HLA-G as an Asthma Susceptibility Gene on Chromosome 6p21. American Journal of Human Genetics, 2005, 76, 349-357.	6.2	238

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19	Association of a Promoter Polymorphism of the CD14 Gene and Atopy. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 965-969.	5.6	235
20	Identification and Association of Polymorphisms in the Interleukin-13 Gene with Asthma and Atopy in a Dutch Population. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 377-384.	2.9	229
21	Air Pollution and Respiratory Infections during Early Childhood: An Analysis of 10 European Birth Cohorts within the ESCAPE Project. Environmental Health Perspectives, 2014, 122, 107-113.	6.0	224
22	Variants in ADCY5 and near CCNL1 are associated with fetal growth and birth weight. Nature Genetics, 2010, 42, 430-435.	21.4	223
23	Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. Nature Genetics, 2013, 45, 902-906.	21.4	221
24	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	21.4	218
25	Rectal Organoids Enable Personalized Treatment of Cystic Fibrosis. Cell Reports, 2019, 26, 1701-1708.e3.	6.4	214
26	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. Human Molecular Genetics, 2017, 26, 4067-4085.	2.9	211
27	Association of a disintegrin and metalloprotease 33 (ADAM33) gene with asthma in ethnically diverse populations. Journal of Allergy and Clinical Immunology, 2003, 112, 717-722.	2.9	190
28	Polymorphisms of the ADAM33 gene are associated with accelerated lung function decline in asthma. Clinical and Experimental Allergy, 2004, 34, 757-760.	2.9	189
29	Genome-wide association and longitudinal analyses reveal genetic loci linking pubertal height growth, pubertal timing and childhood adiposity. Human Molecular Genetics, 2013, 22, 2735-2747.	2.9	188
30	Exposure to air pollution and development of asthma and rhinoconjunctivitis throughout childhood and adolescence: a population-based birth cohort study. Lancet Respiratory Medicine,the, 2015, 3, 933-942.	10.7	187
31	Genetic Architectures of Childhood- and Adult-Onset Asthma Are Partly Distinct. American Journal of Human Genetics, 2019, 104, 665-684.	6.2	183
32	The Human Lung Cell Atlas: A High-Resolution Reference Map of the Human Lung in Health and Disease. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 31-41.	2.9	178
33	Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO ₂ Air Pollution Exposure. Environmental Health Perspectives, 2017, 125, 104-110.	6.0	176
34	Genome-wide search for atopy susceptibility genes in Dutch families with asthma. Journal of Allergy and Clinical Immunology, 2002, 109, 498-506.	2.9	173
35	Decoding asthma: Translating genetic variation in IL33 and IL1RL1 into disease pathophysiology. Journal of Allergy and Clinical Immunology, 2013, 131, 856-865.e9.	2.9	171
36	DNA methylation in childhood asthma: an epigenome-wide meta-analysis. Lancet Respiratory Medicine,the, 2018, 6, 379-388.	10.7	170

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37	Lung function decline in asthma: association with inhaled corticosteroids, smoking and sex. Thorax, 2006, 61, 105-110.	5.6	169
38	Predicting the long-term prognosis of children with symptoms suggestive of asthma at preschool age. Journal of Allergy and Clinical Immunology, 2009, 124, 903-910.e7.	2.9	162
39	Association of IL33â€“IL-1 receptorâ€“like 1 (IL1RL1) pathway polymorphisms with wheezing phenotypes and asthma in childhood. Journal of Allergy and Clinical Immunology, 2014, 134, 170-177.	2.9	162
40	MACVIA-ARIA Sentinel NetworK for allergic rhinitis (MASK-rhinitis): the new generation guideline implementation. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1372-1392.	5.7	160
41	Major Genes Regulating Total Serum Immunoglobulin E Levels in Families with Asthma. American Journal of Human Genetics, 2000, 67, 1163-1173.	6.2	156
42	Meta-analysis identifies seven susceptibility loci involved in the atopic march. Nature Communications, 2015, 6, 8804.	12.8	148
43	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 2062-2074.	2.9	147
44	DNA methylation in nasal epithelium, atopy, and atopic asthma in children: a genome-wide study. Lancet Respiratory Medicine,the, 2019, 7, 336-346.	10.7	147
45	MeDALL (Mechanisms of the Development of ALLergy): an integrated approach from phenotypes to systems medicine. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 596-604.	5.7	146
46	Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes. Journal of Allergy and Clinical Immunology, 2017, 139, 388-399.	2.9	145
47	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. Nature Communications, 2019, 10, 1893.	12.8	140
48	Identification of atopic dermatitis subgroups in children from 2 longitudinal birth cohorts. Journal of Allergy and Clinical Immunology, 2018, 141, 964-971.	2.9	136
49	Common variants at 12q15 and 12q24 are associated with infant head circumference. Nature Genetics, 2012, 44, 532-538.	21.4	130
50	Cohort profile: The Prevention and Incidence of Asthma and Mite Allergy (PIAMA) birth cohort. International Journal of Epidemiology, 2014, 43, 527-535.	1.9	129
51	MACVIA clinical decision algorithm in adolescents and adults with allergic rhinitis. Journal of Allergy and Clinical Immunology, 2016, 138, 367-374.e2.	2.9	128
52	Filaggrin mutations in the onset of eczema, sensitization, asthma, hay fever and the interaction with cat exposure. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1758-1765.	5.7	127
53	A sequence variant on 17q21 is associated with age at onset and severity of asthma. European Journal of Human Genetics, 2010, 18, 902-908.	2.8	126
54	A rare IL33 loss-of-function mutation reduces blood eosinophil counts and protects from asthma. PLoS Genetics, 2017, 13, e1006659.	3.5	126

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55	ARIA 2016: Care pathways implementing emerging technologies for predictive medicine in rhinitis and asthma across the life cycle. Clinical and Translational Allergy, 2016, 6, 47.	3.2	121
56	Identification of PCDH1 as a Novel Susceptibility Gene for Bronchial Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 929-935.	5.6	120
57	Genome screen for asthma and bronchial hyperresponsiveness: Interactions with passive smoke exposure. Journal of Allergy and Clinical Immunology, 2005, 115, 1169-1175.	2.9	118
58	Toll-like receptor 2 and 4 genes influence susceptibility to adverse effects of traffic-related air pollution on childhood asthma. Thorax, 2010, 65, 690-697.	5.6	116
59	Traffic-related air pollution, preterm birth and term birth weight in the PIAMA birth cohort study. Environmental Research, 2011, 111, 125-135.	7.5	115
60	Particulate Matter Composition and Respiratory Health. Epidemiology, 2015, 26, 300-309.	2.7	113
61	Predicting who will have asthma at school age among preschool children. Journal of Allergy and Clinical Immunology, 2012, 130, 325-331.	2.9	112
62	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. Environmental Health Perspectives, 2019, 127, 57012.	6.0	111
63	A novel common variant in DCST2 is associated with length in early life and height in adulthood. Human Molecular Genetics, 2015, 24, 1155-1168.	2.9	109
64	Genome-Wide Association Analysis in Asthma Subjects Identifies SPATS2L as a Novel Bronchodilator Response Gene. PLoS Genetics, 2012, 8, e1002824.	3.5	107
65	Genome-Wide Interaction Analysis of Air Pollution Exposure and Childhood Asthma with Functional Follow-up. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1373-1383.	5.6	107
66	Residential greenness is differentially associated with childhood allergic rhinitis and aeroallergen sensitization in seven birth cohorts. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 1461-1471.	5.7	106
67	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. International Journal of Epidemiology, 2018, 47, 22-23u.	1.9	105
68	Fine mapping of an IgE-controlling gene on chromosome 2q: Analysis of CTLA4 and CD28. Journal of Allergy and Clinical Immunology, 2002, 110, 743-751.	2.9	98
69	The genetics of asthma and the promise of genomics-guided drug target discovery. Lancet Respiratory Medicine,the, 2020, 8, 1045-1056.	10.7	98
70	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	3.5	95
71	Genome-wide association study of lung function decline in adults with and without asthma. Journal of Allergy and Clinical Immunology, 2012, 129, 1218-1228.	2.9	94
72	Traffic-related air pollution and noise and childrenâ€™s blood pressure: Results from the PIAMA birth cohort study. European Journal of Preventive Cardiology, 2015, 22, 4-12.	1.8	91

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73	Asthma and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1588-1594.	5.6	90
74	Are allergic multimorbidities and IgE polysensitization associated with the persistence or reâ€•occurrence of foetal type 2 signalling? The <scp>M</scp>e<scp>DALL</scp> hypothesis. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1062-1078.	5.7	88
75	Communication of biobanks' research results: What do (potential) participants want?. American Journal of Medical Genetics, Part A, 2010, 152A, 2482-2492.	1.2	86
76	Prediction of asthma in symptomatic preschool children using exhaled nitric oxide, Rint and specific IgE. Thorax, 2010, 65, 801-807.	5.6	83
77	Severe Chronic Allergic (and Related) Diseases: A Uniform Approach â€“ A MeDALL â€“ GA²LEN â€“ ARIA Position Paper. International Archives of Allergy and Immunology, 2012, 158, 216-231.	2.1	83
78	The importance of genetic influences in asthma. European Respiratory Journal, 1999, 14, 1210-1227.	6.7	82
79	Interleukin 13 and Interleukin 4 Receptor-Î± Polymorphisms in Rhinitis and Asthma. International Archives of Allergy and Immunology, 2010, 153, 259-267.	2.1	81
80	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. Genome Medicine, 2020, 12, 25.	8.2	81
81	Phenotyping asthma, rhinitis and eczema in <scp>M</scp>e<scp>DALL</scp> populationâ€based birth cohorts: an allergic comorbidity cluster. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 973-984.	5.7	79
82	Maternal use of folic acid supplements during pregnancy, and childhood respiratory health and atopy. European Respiratory Journal, 2012, 39, 1468-1474.	6.7	78
83	Paving the way of systems biology and precision medicine in allergic diseases: the Me <scp>DALL</scp> success story. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 1513-1525.	5.7	77
84	Meta-analysis of air pollution exposure association withÂallergic sensitization in European birth cohorts. Journal of Allergy and Clinical Immunology, 2014, 133, 767-776.e7.	2.9	76
85	Association of IL1RL1, IL18R1, and IL18RAP gene cluster polymorphisms with asthma and atopy. Journal of Allergy and Clinical Immunology, 2008, 122, 651-654.e8.	2.9	75
86	PLAUR polymorphisms are associated with asthma, PLAUR levels, and lung function decline. Journal of Allergy and Clinical Immunology, 2009, 123, 1391-1400.e17.	2.9	75
87	Arginase 1 and arginase 2 variations associate with asthma, asthma severity and Î²2 agonist and steroid response. Pharmacogenetics and Genomics, 2010, 20, 179-186.	1.5	75
88	TLRâ€related pathway analysis: novel geneâ€“gene interactions in the development of asthma and atopy. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 199-207.	5.7	75
89	Understanding the complexity of IgE-related phenotypes from childhood to young adulthood: A Mechanisms of the Development of Allergy (MeDALL) Seminar. Journal of Allergy and Clinical Immunology, 2012, 129, 943-954.e4.	2.9	68
90	Genomeâ€wide association study of body mass index in 23Â000 individuals with and without asthma. Clinical and Experimental Allergy, 2013, 43, 463-474.	2.9	68

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91	GSTP1 and TNF Gene Variants and Associations between Air Pollution and Incident Childhood Asthma: The Traffic, Asthma and Genetics (TAG) Study. Environmental Health Perspectives, 2014, 122, 418-424.	6.0	67
92	Interleukin 13, CD14, pet and tobacco smoke influence atopy in three Dutch cohorts: the allergenic study. European Respiratory Journal, 2008, 32, 593-602.	6.7	66
93	Variants of the FADS1 FADS2 Gene Cluster, Blood Levels of Polyunsaturated Fatty Acids and Eczema in Children within the First 2 Years of Life. PLoS ONE, 2010, 5, e13261.	2.5	65
94	Genomewide Screen for Pulmonary Function in 200 Families Ascertained for Asthma. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 446-452.	5.6	64
95	Meta-analysis of genome-wide linkage studies of asthma and related traits. Respiratory Research, 2008, 9, 38.	3.6	64
96	Serum micronutrient concentrations and childhood asthma: the PIAMA birth cohort study. Pediatric Allergy and Immunology, 2011, 22, 784-793.	2.6	64
97	Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. Epigenomics, 2019, 11, 1487-1500.	2.1	64
98	The associations of air pollution, traffic noise and green space with overweight throughout childhood: The PIAMA birth cohort study. Environmental Research, 2019, 169, 348-356.	7.5	64
99	The central role of IL-33/IL-1RL1 pathway in asthma: From pathogenesis to intervention. , 2021, 225, 107847.		64
100	Major Recessive Gene(s) with Considerable Residual Polygenic Effect Regulating Adult Height: Confirmation of Genomewide Scan Results for Chromosomes 6, 9, and 12. American Journal of Human Genetics, 2002, 71, 646-650.	6.2	63
101	Interleukin-1 receptorâ€“like 1 polymorphisms are associated with serum IL1RL1-a, eosinophils, and asthma in childhood. Journal of Allergy and Clinical Immunology, 2011, 127, 750-756.e5.	2.9	63
102	Shared genetic variants suggest common pathways in allergy and autoimmune diseases. Journal of Allergy and Clinical Immunology, 2017, 140, 771-781.	2.9	63
103	Prediction of the severity of allergic reactions to foods. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1532-1540.	5.7	63
104	Revisiting the Dutch hypothesis. Journal of Allergy and Clinical Immunology, 2015, 136, 521-529.	2.9	62
105	Association of season of birth with <scp>DNA</scp> methylation and allergic disease. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 1314-1324.	5.7	61
106	Gene by environment interaction in asthma. Current Allergy and Asthma Reports, 2006, 6, 103-111.	5.3	59
107	The development of socio-economic health differences in childhood: results of the Dutch longitudinal PIAMA birth cohort. BMC Public Health, 2011, 11, 225.	2.9	59
108	Elemental Composition of Particulate Matter and the Association with Lung Function. Epidemiology, 2014, 25, 648-657.	2.7	59

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109	Transient early wheeze and lung function in early childhood associated with chronic obstructive pulmonary disease genes. Journal of Allergy and Clinical Immunology, 2014, 133, 68-76.e4.	2.9	59
110	Air pollution exposure and lung function until age 16 years: the PIAMA birth cohort study. European Respiratory Journal, 2018, 52, 1800218.	6.7	59
111	Nuclear Receptor Nur77 Attenuates Airway Inflammation in Mice by Suppressing NF-Î°B Activity in Lung Epithelial Cells. Journal of Immunology, 2015, 195, 1388-1398.	0.8	58
112	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. Journal of Allergy and Clinical Immunology, 2018, 141, 991-1001.	2.9	57
113	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. Developmental Cell, 2019, 49, 10-29.	7.0	57
114	Nasal DNA methylation profiling of asthma and rhinitis. Journal of Allergy and Clinical Immunology, 2020, 145, 1655-1663.	2.9	56
115	A novel whole blood gene expression signature for asthma, dermatitis, and rhinitis multimorbidity in children and adolescents. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 3248-3260.	5.7	55
116	Meta-analysis of 20 genome-wide linkage studies evidenced new regions linked to asthma and atopy. European Journal of Human Genetics, 2010, 18, 700-706.	2.8	54
117	Perinatal risk factors for wheezing phenotypes in the first 8Âyears of life. Clinical and Experimental Allergy, 2013, 43, 1395-1405.	2.9	54
118	Predicting asthma in preschool children with asthma-like symptoms: Validating and updating the PIAMA risk score. Journal of Allergy and Clinical Immunology, 2013, 132, 1303-1310.e6.	2.9	53
119	beta2 adrenoceptor promoter polymorphisms: extended haplotypes and functional effects in peripheral blood mononuclear cells. Thorax, 2002, 57, 61-66.	5.6	49
120	Smoke exposure interacts with ADAM33 polymorphisms in the development of lung function and hyperresponsiveness. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 898-904.	5.7	49
121	Gene-gene interaction in regulatory Tâ€“cell function in atopy and asthma development in childhood. Journal of Allergy and Clinical Immunology, 2010, 126, 338-346.e10.	2.9	49
122	Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. European Respiratory Journal, 2014, 44, 860-872.	6.7	49
123	The emerging landscape of dynamic DNA methylation in early childhood. BMC Genomics, 2017, 18, 25.	2.8	49
124	Eleven loci with new reproducible genetic associations with allergic disease risk. Journal of Allergy and Clinical Immunology, 2019, 143, 691-699.	2.9	49
125	Polymorphisms in SPINK5 are not associated with asthma in a Dutch population. Journal of Allergy and Clinical Immunology, 2005, 115, 486-492.	2.9	48
126	Arg16 ADRB2 genotype increases the risk of asthma exacerbation in children with a reported use of long-acting Î²₂-agonists: results of the pacman cohort. Pharmacogenomics, 2013, 14, 1965-1971.	1.3	48

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127	Associations between particulate matter composition and childhood blood pressure â€" The PIAMA study. Environment International, 2015, 84, 1-6.	10.0	48
128	Associations of sugar-containing beverages with asthma prevalence in 11-year-old children: the PIAMA birth cohort. European Journal of Clinical Nutrition, 2015, 69, 303-308.	2.9	48
129	Maternal Smoking during Pregnancy and Early Childhood and Development of Asthma and Rhinoconjunctivitis â€“ a MeDALL Project. Environmental Health Perspectives, 2018, 126, 047005.	6.0	48
130	Air pollution and the development of asthma from birth until young adulthood. European Respiratory Journal, 2020, 56, 2000147.	6.7	48
131	Association of Interacting Genes in the Toll-Like Receptor Signaling Pathway and the Antibody Response to Pertussis Vaccination. PLoS ONE, 2008, 3, e3665.	2.5	47
132	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
133	Scaling up strategies of the chronic respiratory disease programme of the European Innovation Partnership on Active and Healthy Ageing (Action Plan B3: Area 5). Clinical and Translational Allergy, 2016, 6, 29.	3.2	47
134	Combining genomewide association study and lung <scp>eQTL</scp> analysis provides evidence for novel genes associated with asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 1712-1720.	5.7	47
135	Building bridges for innovation in ageing: Synergies between action groups of the EIP on AHA. Journal of Nutrition, Health and Aging, 2017, 21, 92-104.	3.3	47
136	Developmental determinants in non-communicable chronic diseases and ageing. Thorax, 2015, 70, 595-597.	5.6	45
137	Uncontrolled asthma at age 8: The importance of parental perception towards medication. Pediatric Allergy and Immunology, 2011, 22, 462-468.	2.6	43
138	Time in bed, sleep quality and associations with cardiometabolic markers in children: the Prevention and Incidence of Asthma and Mite Allergy birth cohort study. Journal of Sleep Research, 2014, 23, 3-12.	3.2	41
139	<scp>TRPA</scp>1 gene polymorphisms and childhood asthma. Pediatric Allergy and Immunology, 2017, 28, 191-198.	2.6	41
140	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. Genome Medicine, 2020, 12, 105.	8.2	41
141	Genetics of onset of asthma. Current Opinion in Allergy and Clinical Immunology, 2013, 13, 193-202.	2.3	40
142	Early introduction of complementary foods and childhood overweight in breastfed and formula-fed infants in the Netherlands: the PIAMA birth cohort study. European Journal of Nutrition, 2018, 57, 1985-1993.	3.9	40
143	Epigenome-wide association study of DNA methylation and adult asthma in the Agricultural Lung Health Study. European Respiratory Journal, 2020, 56, 2000217.	6.7	40
144	Xâ€chromosome Forkhead Box P3 polymorphisms associate with atopy in girls in three Dutch birth cohorts. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 865-874.	5.7	39

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145	Interaction of a 17q12 variant with both fetal and infant smoke exposure in the development of childhood asthmaâ€like symptoms. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 767-774.	5.7	39
146	Difference in the Breast Milk Proteome between Allergic and Non-Allergic Mothers. PLoS ONE, 2015, 10, e0122234.	2.5	39
147	The role of epigenetics in the development of childhood asthma. Expert Review of Clinical Immunology, 2019, 15, 1287-1302.	3.0	39
148	Identifying novel genes contributing to asthma pathogenesis. Current Opinion in Allergy and Clinical Immunology, 2007, 7, 69-74.	2.3	37
149	Recent advances in the epigenetics and genomics of asthma. Current Opinion in Allergy and Clinical Immunology, 2011, 11, 414-419.	2.3	35
150	E-cadherin gene polymorphisms in asthma patients using inhaled corticosteroids. European Respiratory Journal, 2011, 38, 1044-1052.	6.7	35
151	Polymorphisms in the TLR6 gene associated with the inverse association between childhood acute lymphoblastic leukemia and atopic disease. Leukemia, 2012, 26, 1203-1210.	7.2	35
152	Childhood wheezing phenotypes and <scp><scp>FeNO</scp></scp> in atopic children at ageÂ8. Clinical and Experimental Allergy, 2012, 42, 1329-1336.	2.9	35
153	IL1RL1 Gene Variants and Nasopharyngeal IL1RL-a Levels Are Associated with Severe RSV Bronchiolitis: A Multicenter Cohort Study. PLoS ONE, 2012, 7, e34364.	2.5	35
154	Identification of Polymorphisms in the Human Glucocorticoid Receptor Gene (NR3C1) in a Multi-racial Asthma Case and Control Screening Panel. DNA Sequence, 2004, 15, 167-173.	0.7	34
155	Characterization of protocadherinâ€1 expression in primary bronchial epithelial cells: association with epithelial cell differentiation. FASEB Journal, 2012, 26, 439-448.	0.5	34
156	Pharmacogenetics of inhaled longâ€acting beta2â€agonists in asthma: A systematic review. Pediatric Allergy and Immunology, 2018, 29, 705-714.	2.6	34
157	The pharmacokinetics of antibiotics in cystic fibrosis. Expert Opinion on Drug Metabolism and Toxicology, 2021, 17, 53-68.	3.3	34
158	Pharmacogenetics of anti-inflammatory treatment in children with asthma: rationale and design of the PACMAN cohort. Pharmacogenomics, 2009, 10, 1351-1361.	1.3	33
159	Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. Journal of Allergy and Clinical Immunology, 2014, 134, 46-55.	2.9	33
160	Computational analysis of multimorbidity between asthma, eczema and rhinitis. PLoS ONE, 2017, 12, e0179125.	2.5	33
161	Atopic dermatitis: Interaction between genetic variants of <scp>GSTP</scp>1,<scp>TNF</scp>,<scp>TLR</scp>2, and <scp>TLR</scp>4 and air pollution in early life. Pediatric Allergy and Immunology, 2018, 29, 596-605.	2.6	33
162	Intestinal lactobacilli and the DC-SIGN gene for their recognition by dendritic cells play a role in the aetiology of allergic manifestations. Microbiology (United Kingdom), 2010, 156, 3298-3305.	1.8	32

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163	Host-microbial interactions in childhood atopy: Toll-like receptor 4 (TLR4), CD14, and fecal Escherichia coli. Journal of Allergy and Clinical Immunology, 2010, 125, 231-236.e5.	2.9	32
164	Nasal epithelium as a proxy for bronchial epithelium for smoking-induced gene expression and expression Quantitative Trait Loci. Journal of Allergy and Clinical Immunology, 2018, 142, 314-317.e15.	2.9	32
165	Early-life antibiotic use and risk of asthma and eczema: results of a discordant twin study. European Respiratory Journal, 2020, 55, 1902021.	6.7	32
166	Pharmacogenomics and outcome of asthma: No clinical application for long-term steroid effects by CRHR1 polymorphisms. Journal of Allergy and Clinical Immunology, 2008, 121, 1510-1513.	2.9	31
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