Melanie Claire Matheson

List of Publications by Year
in descending order

122 papers	10,888 citations	41344 49 h-index	32842 100 g-index
123 all docs	123 docs citations	123 times ranked	14318 citing authors

#	Article	IF	Citations
1	Prevalence of obstructive sleep apnea in the general population: A systematic review. Sleep Medicine Reviews, 2017, 34, 70-81.	8.5	1,478
2	Prevalence of challenge-proven IgE-mediated food allergy using population-based sampling and predetermined challenge criteria in infants. Journal of Allergy and Clinical Immunology, 2011, 127, 668-676.e2.	2.9	851
3	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
4	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. Nature Genetics, 2018, 50, 42-53.	21.4	426
5	Childhood predictors of lung function trajectories and future COPD risk: a prospective cohort study from the first to the sixth decade of life. Lancet Respiratory Medicine,the, 2018, 6, 535-544.	10.7	381
6	Can early introduction of egg prevent egg allergy in infants? AÂpopulation-based study. Journal of Allergy and Clinical Immunology, 2010, 126, 807-813.	2.9	357
7	Identification of IL6R and chromosome 11q13.5 as risk loci for asthma. Lancet, The, 2011, 378, 1006-1014.	13.7	345
8	Atopic dermatitis and the atopic march revisited. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 17-27.	5.7	315
9	Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. Nature Genetics, 2012, 44, 187-192.	21.4	311
10	Which infants with eczema are at risk of food allergy? Results from a populationâ€based cohort. Clinical and Experimental Allergy, 2015, 45, 255-264.	2.9	249
11	The prevalence of food allergy and other allergic diseases in early childhood in a population-based study: HealthNuts age 4-year follow-up. Journal of Allergy and Clinical Immunology, 2017, 140, 145-153.e8.	2.9	235
12	Vitamin D insufficiency is associated with challenge-proven food allergy in infants. Journal of Allergy and Clinical Immunology, 2013, 131, 1109-1116.e6.	2.9	223
13	Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. Nature Genetics, 2013, 45, 902-906.	21.4	221
14	Biological dust exposure in the workplace is a risk factor for chronic obstructive pulmonary disease. Thorax, 2005, 60, 645-651.	5.6	214
15	Childhood allergic rhinitis predicts asthma incidence and persistence to middle age: AÂlongitudinal study. Journal of Allergy and Clinical Immunology, 2007, 120, 863-869.	2.9	195
16	Genome-wide association analysis identifies 11 risk variants associated with the asthma with hay fever phenotype. Journal of Allergy and Clinical Immunology, 2014, 133, 1564-1571.	2.9	195
17	Meta-analysis identifies seven susceptibility loci involved in the atopic march. Nature Communications, 2015, 6, 8804.	12.8	148
18	Traffic-related air pollution exposure is associated with allergic sensitization, asthma, and poor lung function in middle age. Journal of Allergy and Clinical Immunology, 2017, 139, 122-129.e1.	2.9	117

#	Article	IF	Citations
19	Breast-feeding and atopic disease: A cohort study from childhood to middle age. Journal of Allergy and Clinical Immunology, 2007, 120, 1051-1057.	2.9	114
20	Childhood Lung Function Predicts Adult Chronic Obstructive Pulmonary Disease and Asthmaâ€"Chronic Obstructive Pulmonary Disease Overlap Syndrome. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 39-46.	5.6	111
21	Genome-Wide Association Studies of Asthma in Population-Based Cohorts Confirm Known and Suggested Loci and Identify an Additional Association near HLA. PLoS ONE, 2012, 7, e44008.	2.5	111
22	The Interplay between the Effects of Lifetime Asthma, Smoking, and Atopy on Fixed Airflow Obstruction in Middle Age. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 42-48.	5.6	108
23	Understanding the feasibility and implications of implementing early peanut introduction for prevention of peanut allergy. Journal of Allergy and Clinical Immunology, 2016, 138, 1131-1141.e2.	2.9	106
24	House dust mite sensitization in toddlers predicts current wheeze at age 12 years. Journal of Allergy and Clinical Immunology, 2011, 128, 782-788.e9.	2.9	105
25	Understanding the evidence for and against the role of breastfeeding in allergy prevention. Clinical and Experimental Allergy, 2012, 42, 827-851.	2.9	105
26	The Impact of Family History of Allergy on Risk of Food Allergy: A Population-Based Study of Infants. International Journal of Environmental Research and Public Health, 2013, 10, 5364-5377.	2.6	101
27	Childhood eczema and asthma incidence and persistence: A cohort study from childhood to middle age. Journal of Allergy and Clinical Immunology, 2008, 122, 280-285.	2.9	97
28	Factors influencing asthma remission: a longitudinal study from childhood to middle age. Thorax, 2011, 66, 508-513.	5.6	91
29	Childhood eczema and rhinitis predict atopic but not nonatopic adult asthma: AÂprospective cohort study over 4 decades. Journal of Allergy and Clinical Immunology, 2011, 127, 1473-1479.e1.	2.9	90
30	Paracetamol exposure in pregnancy and early childhood and development of childhood asthma: a systematic review and meta-analysis. Archives of Disease in Childhood, 2015, 100, 81-89.	1.9	88
31	Filaggrin loss-of-function mutations do not predict food allergy over and above the risk of food sensitization among infants. Journal of Allergy and Clinical Immunology, 2012, 130, 1211-1213.e3.	2.9	83
32	Age-of-asthma onset as a determinant of different asthma phenotypes in adults: a systematic review and meta-analysis of the literature. Expert Review of Respiratory Medicine, 2015, 9, 109-123.	2.5	83
33	Cohort Profile: The HealthNuts Study: Population prevalence and environmental/genetic predictors of food allergy. International Journal of Epidemiology, 2015, 44, 1161-1171.	1.9	80
34	Traffic-related air pollution exposure over a 5-year period is associated with increased risk of asthma and poor lung function in middle age. European Respiratory Journal, 2017, 50, 1602357.	6.7	80
35	Occupational contact urticaria: Australian data. British Journal of Dermatology, 2008, 159, 125-131.	1.5	79
36	Childhood Wheeze Phenotypes Show Less Than Expected Growth in FEV₁ across Adolescence. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1351-1358.	5.6	75

#	Article	IF	Citations
37	Gene-based analysis of regulatory variants identifies 4 putative novel asthma risk genes related to nucleotide synthesis and signaling. Journal of Allergy and Clinical Immunology, 2017, 139, 1148-1157.	2.9	72
38	Changes in indoor allergen and fungal levels predict changes in asthma activity among young adults. Clinical and Experimental Allergy, 2005, 35, 907-913.	2.9	70
39	Traffic related air pollution and development and persistence of asthma and low lung function. Environment International, 2018, 113, 170-176.	10.0	64
40	Prevalence of respiratory symptoms related to chronic obstructive pulmonary disease and asthma among middle aged and older adults. Respirology, 2002, 7, 325-331.	2.3	63
41	Differential factors associated with challengeâ€proven food allergy phenotypes in a population cohort of infants: a latent class analysis. Clinical and Experimental Allergy, 2015, 45, 953-963.	2.9	59
42	Hairdressers presenting to an occupational dermatology clinic in Melbourne, Australia. Contact Dermatitis, 2013, 68, 300-306.	1.4	58
43	Does eczema in infancy cause hay fever, asthma, or both in childhood? Insights from a novel regression model of sibling data. Journal of Allergy and Clinical Immunology, 2012, 130, 1117-1122.e1.	2.9	56
44	Early-life risk factors and incidence of rhinitis: Results from the European Community Respiratory Health Studyâ€”an international population-based cohort study. Journal of Allergy and Clinical Immunology, 2011, 128, 816-823.e5.	2.9	55
45	Adherence to asthma management guidelines by middle-aged adults with current asthma. Thorax, 2009, 64, 1025-1031.	5.6	54
46	Does Eczema Lead to Asthma?. Journal of Asthma, 2009, 46, 429-436.	1.7	53
47	Early-Life Risk Factors for Childhood Wheeze Phenotypes in a High-Risk Birth Cohort. Journal of Pediatrics, 2014, 164, 289-294.e2.	1.8	53
48	Polymorphisms affecting vitamin Dâ€“binding protein modify the relationship between serum vitamin D (25[OH]D3) and food allergy. Journal of Allergy and Clinical Immunology, 2016, 137, 500-506.e4.	2.9	52
49	Clinical and functional differences between early-onset and late-onset adult asthma: a population-based Tasmanian Longitudinal Health Study. Thorax, 2016, 71, 981-987.	5.6	51
50	Sleep apnoea in Australian men: disease burden, co-morbidities, and correlates from the Australian longitudinal study on male health. BMC Public Health, 2016, 16, 1029.	2.9	47
51	Exposure to â€˜farmingâ€™ and objective markers of atopy: a systematic review and metaâ€analysis. Clinical and Experimental Allergy, 2015, 45, 744-757.	2.9	46
52	PEBBLES study protocol: a randomised controlled trial to prevent atopic dermatitis, food allergy and sensitisation in infants with a family history of allergic disease using a skin barrier improvement strategy. BMJ Open, 2019, 9, e024594.	1.9	45
53	Î²2-adrenergic receptor polymorphisms are associated with asthma and COPD in adults. Journal of Human Genetics, 2006, 51, 943-951.	2.3	42
54	Association of IL8, CXCR2 and TNF-Î± polymorphisms and airway disease. Journal of Human Genetics, 2006, 51, 196-203.	2.3	41

#	Article	IF	Citations
55	The Impact of Timing of Introduction of Solids on Infant Body Mass Index. Journal of Pediatrics, 2016, 179, 104-110.e1.	1.8	39
56	Persistent pollen exposure during infancy is associated with increased risk of subsequent childhood asthma and hayfever. Clinical and Experimental Allergy, 2013, 43, 337-343.	2.9	38
57	CD14polymorphisms, microbial exposure and allergic diseases: a systematic review of gene-environment interactions. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 1440-1453.	5.7	38
58	Reduction of peptic ulcer disease and Helicobacter pylori infection but increase of reflux esophagitis in Western Sydney between 1990 and 1998. Digestive Diseases and Sciences, 2001, 46, 2716-2723.	2.3	37
59	Pets at birth do not increase allergic disease in atâ€risk children. Clinical and Experimental Allergy, 2012, 42, 1377-1385.	2.9	37
60	Exposure to Cats: Update on Risks for Sensitization and Allergic Diseases. Current Allergy and Asthma Reports, 2012, 12, 413-423.	5.3	37
61	Sensitization to milk, egg and peanut from birth to 18 years: A longitudinal study of a cohort at risk of allergic disease. Pediatric Allergy and Immunology, 2016, 27, 83-91.	2.6	34
62	Mother's smoking and complex lung function of offspring in middle age: A cohort study from childhood. Respirology, 2016, 21, 911-919.	2.3	34
63	Food Allergy Is an Important Risk Factor for Childhood Asthma, Irrespective of Whether It Resolves. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 1336-1341.e3.	3.8	34
64	Food Challenge and Community-Reported Reaction Profiles in Food-Allergic Children Aged 1 and 4 Years: A Population-Based Study. Journal of Allergy and Clinical Immunology: in Practice, 2017, 5, 398-409.e3.	3.8	32
65	Occupational exposure to pesticides are associated with fixed airflow obstruction in middle-age. Thorax, 2017, 72, 990-997.	5.6	32
66	Early childhood infections and immunisation and the development of allergic disease in particular asthma in a high-risk cohort: A prospective study of allergy-prone children from birth to six years. Pediatric Allergy and Immunology, 2010, 21, 1076-1085.	2.6	31
67	Preterm birth and low birth weight continue to increase the risk of asthma from age 7 to 43. Journal of Asthma, 2017, 54, 616-623.	1.7	31
68	Disease severity and quality of life in a follow-up study of patients with occupational contact dermatitis. Contact Dermatitis, 2011, 65, 138-145.	1.4	29
69	The Doseâ€"Response Association between Nitrogen Dioxide Exposure and Serum Interleukin-6 Concentrations. International Journal of Molecular Sciences, 2017, 18, 1015.	4.1	29
70	Childhood immunization and atopic disease into middle-age - a prospective cohort study. Pediatric Allergy and Immunology, 2010, 21, 301-306.	2.6	28
71	Childhood Infections and the Risk of Asthma. Chest, 2012, 142, 647-654.	0.8	28
72	A new regulatory variant in the interleukin-6 receptor gene associates with asthma risk. Genes and Immunity, 2013, 14, 441-446.	4.1	27

#	Article	IF	Citations
73	The interaction between farming/rural environment and TLR2, TLR4, TLR6 and CD14 genetic polymorphisms in relation to early- and late-onset asthma. Scientific Reports, 2017, 7, 43681.	3.3	27
74	Relevance of the hygiene hypothesis to early vs. late onset allergic rhinitis. Clinical and Experimental Allergy, 2009, 39, 370-378.	2.9	26
75	Occupational skin disease in <scp>V</scp>ictoria, <scp>A</scp>ustralia. Australasian Journal of Dermatology, 2016, 57, 108-114.	0.7	26
76	Cohort Profile: The Tasmanian Longitudinal Health STUDY (TAHS). International Journal of Epidemiology, 2017, 46, dyw028.	1.9	26
77	Occupational exposure and risk of chronic obstructive pulmonary disease: a systematic review and meta-analysis. Expert Review of Respiratory Medicine, 2016, 10, 861-872.	2.5	26
78	Formula and breast feeding in infant food allergy: A populationâ€based study. Journal of Paediatrics and Child Health, 2016, 52, 377-384.	0.8	26
79	Positionally cloned genes and age-specific effects in asthma and atopy: an international population-based cohort study (ECRHS). Thorax, 2010, 65, 124-131.	5.6	25
80	Ambient wood smoke, traffic pollution and adult asthma prevalence and severity. Respirology, 2013, 18, 1101-1107.	2.3	25
81	The additive value of patch testing with patients' own products at an occupational dermatology clinic. Contact Dermatitis, 2009, 61, 231-235.	1.4	24
82	A Review of the Impact of Occupational Contact Dermatitis on Quality of Life. Journal of Allergy, 2011, 2011, 1-12.	0.7	24
83	Early smoke exposure is associated with asthma and lung function deficits in adolescents. Journal of Asthma, 2017, 54, 662-669.	1.7	24
84	Do Glutathione S-Transferase Genes Modify the Link between Indoor Air Pollution and Asthma, Allergies, and Lung Function? A Systematic Review. Current Allergy and Asthma Reports, 2018, 18, 20.	5.3	24
85	How have we been managing chronic obstructive pulmonary disease in Australia?. Internal Medicine Journal, 2006, 36, 92-99.	0.8	23
86	Association between latitude and allergic diseases: a longitudinal study from childhood to middle-age. Annals of Allergy, Asthma and Immunology, 2013, 110, 80-85.e1.	1.0	23
87	Environmental and genetic determinants of vitamin D insufficiency in 12-month-old infants. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 445-454.	2.5	23
88	Interactions of GST Polymorphisms in Air Pollution Exposure and Respiratory Diseases and Allergies. Current Allergy and Asthma Reports, 2016, 16, 85.	5.3	23
89	Cohort Profile: Melbourne Atopy Cohort study (MACS). International Journal of Epidemiology, 2017, 46, dyw011.	1.9	22
90	Prediction models for the development of COPD: a systematic review. International Journal of COPD, 2018, Volume 13, 1927-1935.	2.3	22

#	Article	IF	Citations
91	Wheeze not current asthma affects quality of life in young adults with asthma. Thorax, 2002, 57, 165-167.	5.6	21
92	The association of asthma with BMI and menarche in the 1958 British Birth Cohort. Journal of Asthma, 2013, 50, 751-758.	1.7	21
93	Occupational exposure to solvents and lung function decline: A population based study. Thorax, 2019, 74, 650-658.	5.6	21
94	Childhood pneumonia, pleurisy and lung function: a cohort study from the first to sixth decade of life. Thorax, 2020, 75, 28-37.	5.6	21
95	Do Variants in GSTs Modify the Association between Traffic Air Pollution and Asthma in Adolescence?. International Journal of Molecular Sciences, 2016, 17, 485.	4.1	20
96	Bronchial hyperresponsiveness and obesity in middle age: insights from an Australian cohort. European Respiratory Journal, 2017, 50, 1602181.	6.7	20
97	GSTT1 null genotype increases risk of premenopausal breast cancer. Cancer Letters, 2002, 181, 73-79.	7.2	19
98	Childhood body mass index and adult mammographic density measures that predict breast cancer risk. Breast Cancer Research and Treatment, 2016, 156, 163-170.	2.5	19
99	Microsomal Epoxide Hydrolase Is Not Associated with COPD in a Community-Based Sample. Human Biology, 2006, 78, 705-717.	0.2	18
100	Associations between reduced diffusing capacity and airflow obstruction in community-based subjects. Respiratory Medicine, 2007, 101, 1730-1737.	2.9	15
101	The Role of Breastfeeding in Childhood Otitis Media. Current Allergy and Asthma Reports, 2016, 16, 68.	5.3	15
102	Maternal age at delivery, lung function and asthma in offspring: a population-based survey. European Respiratory Journal, 2018, 51, 1601611.	6.7	14
103	Residential characteristics predict changes in Der p 1, Fel d 1 and ergosterol but not fungi over time. Clinical and Experimental Allergy, 2003, 33, 1281-1288.	2.9	13
104	Methylation of the filaggrin gene promoter does not affect gene expression and allergy. Pediatric Allergy and Immunology, 2014, 25, 608-610.	2.6	13
105	Hormonal contraception increases risk of asthma among obese but decreases it among nonobese subjects: a prospective, population-based cohort study. ERJ Open Research, 2015, 1, 00026-2015.	2.6	12
106	Domestic airborne pollutants and asthma and respiratory symptoms in middle age. Respirology, 2014, 19, 411-418.	2.3	11
107	Occupational Exposures and the Development of New-onset Asthma. Journal of Occupational and Environmental Medicine, 2013, 55, 235-239.	1.7	10
108	Current asthma contributes as much as smoking to chronic bronchitis in middle age: a prospective population-based study. International Journal of COPD, 2016, Volume 11, 1911-1920.	2.3	10

#	Article	IF	Citations
109	Critical age windows in the impact of lifetime smoking exposure on respiratory symptoms and disease among ever smokers. Environmental Research, 2018, 164, 241-247.	7.5	10
110	<scp>NO</scp>_x in exhaled breath condensate is related to allergic sensitization in young and middleâ€aged adults. Clinical and Experimental Allergy, 2019, 49, 171-179.	2.9	10
111	Early menarche is associated with lower adult lung function: A longitudinal cohort study from the first to sixth decade of life. Respirology, 2020, 25, 289-297.	2.3	10
112	Ambient wood smoke exposure and respiratory symptoms in Tasmania, Australia. Science of the Total Environment, 2010, 409, 294-299.	8.0	8
113	Adult Serum Cytokine Concentrations and the Persistence of Asthma. International Archives of Allergy and Immunology, 2013, 161, 342-350.	2.1	8
114	The effect of breastfeeding on lung function at 12 and 18â€...years: a prospective cohort study. European Respiratory Journal, 2016, 48, 125-132.	6.7	8
115	Poor lung function and tonsillectomy in childhood are associated with mortality from age 18 to 44. Respiratory Medicine, 2010, 104, 808-815.	2.9	7
116	Does the Occupational Contact Dermatitis Disease Severity Index correlate with quality of life in patients with occupational contact dermatitis of the hands?. Contact Dermatitis, 2010, 62, 251-252.	1.4	5
117	Childhood measles contributes to postâ€bronchodilator airflow obstruction in middleâ€aged adults: A cohort study. Respirology, 2018, 23, 780-787.	2.3	5
118	The Role of Early Life Food Sensitization in Adolescent Lung Function: Results from 2 Birth Cohort Studies. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1825-1834.e12.	3.8	4
119	Reasons for ongoing participation in a longitudinal cohort study. Australian and New Zealand Journal of Public Health, 2012, 36, 397-398.	1.8	3
120	Earlyâ€life exposure to sibling modifies the relationship between CD14 polymorphisms and allergic sensitization. Clinical and Experimental Allergy, 2019, 49, 331-340.	2.9	2
121	Response to: â€˜Occupational asthma contribution to phenotyping adult asthma by using age-of-asthma onset clusteringâ€™. Expert Review of Respiratory Medicine, 2015, 9, 389-390.	2.5	1
122	Residential Exposure to Outdoor Air Pollution and Post-bronchodilator Lung Function Deficits in Mid-Adult Life. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 110-114.	5.6	1