

Melanie Claire Matheson

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

10,888
citations

41258

49
h-index

32761

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. <i>Sleep Medicine Reviews</i> , 2017, 34, 70-81.	3.8	1,478
2	Prevalence of challenge-proven IgE-mediated food allergy using population-based sampling and predetermined challenge criteria in infants. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 668-676.e2.	1.5	851
3	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.	9.4	529
4	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018, 50, 42-53.	9.4	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. <i>Lancet Respiratory Medicine</i> , 2018, 6, 535-544.	5.2	381
6	Can early introduction of egg prevent egg allergy in infants? A population-based study. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 807-813.	1.5	357
7	Identification of IL6R and chromosome 11q13.5 as risk loci for asthma. <i>Lancet</i> , 2011, 378, 1006-1014.	6.3	345
8	Atopic dermatitis and the atopic march revisited. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 17-27.	2.7	315
9	Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2012, 44, 187-192.	9.4	311
10	Which infants with eczema are at risk of food allergy? Results from a population-based cohort. <i>Clinical and Experimental Allergy</i> , 2015, 45, 255-264.	1.4	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. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 145-153.e8.	1.5	235
12	Vitamin D insufficiency is associated with challenge-proven food allergy in infants. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1109-1116.e6.	1.5	223
13	Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. <i>Nature Genetics</i> , 2013, 45, 902-906.	9.4	221
14	Biological dust exposure in the workplace is a risk factor for chronic obstructive pulmonary disease. <i>Thorax</i> , 2005, 60, 645-651.	2.7	214
15	Childhood allergic rhinitis predicts asthma incidence and persistence to middle age: A longitudinal study. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 863-869.	1.5	195
16	Genome-wide association analysis identifies 11 risk variants associated with the asthma with hay fever phenotype. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1564-1571.	1.5	195
17	Meta-analysis identifies seven susceptibility loci involved in the atopic march. <i>Nature Communications</i> , 2015, 6, 8804.	5.8	148
18	Traffic-related air pollution exposure is associated with allergic sensitization, asthma, and poor lung function in middle age. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 122-129.e1.	1.5	117

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19	Breast-feeding and atopic disease: A cohort study from childhood to middle age. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1051-1057.	1.5	114
20	Childhood Lung Function Predicts Adult Chronic Obstructive Pulmonary Disease and Asthma—Chronic Obstructive Pulmonary Disease Overlap Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 39-46.	2.5	111
21	Genome-Wide Association Studies of Asthma in Population-Based Cohorts Confirm Known and Suggested Loci and Identify an Additional Association near HLA. <i>PLoS ONE</i> , 2012, 7, e44008.	1.1	111
22	The Interplay between the Effects of Lifetime Asthma, Smoking, and Atopy on Fixed Airflow Obstruction in Middle Age. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 42-48.	2.5	108
23	Understanding the feasibility and implications of implementing early peanut introduction for prevention of peanut allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1131-1141.e2.	1.5	106
24	House dust mite sensitization in toddlers predicts current wheeze at age 12 years. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 782-788.e9.	1.5	105
25	Understanding the evidence for and against the role of breastfeeding in allergy prevention. <i>Clinical and Experimental Allergy</i> , 2012, 42, 827-851.	1.4	105
26	The Impact of Family History of Allergy on Risk of Food Allergy: A Population-Based Study of Infants. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 5364-5377.	1.2	101
27	Childhood eczema and asthma incidence and persistence: A cohort study from childhood to middle age. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 280-285.	1.5	97
28	Factors influencing asthma remission: a longitudinal study from childhood to middle age. <i>Thorax</i> , 2011, 66, 508-513.	2.7	91
29	Childhood eczema and rhinitis predict atopic but not nonatopic adult asthma: A prospective cohort study over 4 decades. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1473-1479.e1.	1.5	90
30	Paracetamol exposure in pregnancy and early childhood and development of childhood asthma: a systematic review and meta-analysis. <i>Archives of Disease in Childhood</i> , 2015, 100, 81-89.	1.0	88
31	Filaggrin loss-of-function mutations do not predict food allergy over and above the risk of food sensitization among infants. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 1211-1213.e3.	1.5	83
32	Age-of-asthma onset as a determinant of different asthma phenotypes in adults: a systematic review and meta-analysis of the literature. <i>Expert Review of Respiratory Medicine</i> , 2015, 9, 109-123.	1.0	83
33	Cohort Profile: The HealthNuts Study: Population prevalence and environmental/genetic predictors of food allergy. <i>International Journal of Epidemiology</i> , 2015, 44, 1161-1171.	0.9	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. <i>European Respiratory Journal</i> , 2017, 50, 1602357.	3.1	80
35	Occupational contact urticaria: Australian data. <i>British Journal of Dermatology</i> , 2008, 159, 125-131.	1.4	79
36	Childhood Wheeze Phenotypes Show Less Than Expected Growth in FEV ₁ across Adolescence. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1351-1358.	2.5	75

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37	Gene-based analysis of regulatory variants identifies 4 putative novel asthma risk genes related to nucleotide synthesis and signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1148-1157.	1.5	72
38	Changes in indoor allergen and fungal levels predict changes in asthma activity among young adults. <i>Clinical and Experimental Allergy</i> , 2005, 35, 907-913.	1.4	70
39	Traffic related air pollution and development and persistence of asthma and low lung function. <i>Environment International</i> , 2018, 113, 170-176.	4.8	64
40	Prevalence of respiratory symptoms related to chronic obstructive pulmonary disease and asthma among middle aged and older adults. <i>Respirology</i> , 2002, 7, 325-331.	1.3	63
41	Differential factors associated with challenge-proven food allergy phenotypes in a population cohort of infants: a latent class analysis. <i>Clinical and Experimental Allergy</i> , 2015, 45, 953-963.	1.4	59
42	Hairdressers presenting to an occupational dermatology clinic in Melbourne, Australia. <i>Contact Dermatitis</i> , 2013, 68, 300-306.	0.8	58
43	Does eczema in infancy cause hay fever, asthma, or both in childhood? Insights from a novel regression model of sibling data. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 1117-1122.e1.	1.5	56
44	Early-life risk factors and incidence of rhinitis: Results from the European Community Respiratory Health Study—an international population-based cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 816-823.e5.	1.5	55
45	Adherence to asthma management guidelines by middle-aged adults with current asthma. <i>Thorax</i> , 2009, 64, 1025-1031.	2.7	54
46	Does Eczema Lead to Asthma?. <i>Journal of Asthma</i> , 2009, 46, 429-436.	0.9	53
47	Early-Life Risk Factors for Childhood Wheeze Phenotypes in a High-Risk Birth Cohort. <i>Journal of Pediatrics</i> , 2014, 164, 289-294.e2.	0.9	53
48	Polymorphisms affecting vitamin D-binding protein modify the relationship between serum vitamin D (25[OH]D3) and food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 500-506.e4.	1.5	52
49	Clinical and functional differences between early-onset and late-onset adult asthma: a population-based Tasmanian Longitudinal Health Study. <i>Thorax</i> , 2016, 71, 981-987.	2.7	51
50	Sleep apnoea in Australian men: disease burden, co-morbidities, and correlates from the Australian longitudinal study on male health. <i>BMC Public Health</i> , 2016, 16, 1029.	1.2	47
51	Exposure to "farming" and objective markers of atopy: a systematic review and meta-analysis. <i>Clinical and Experimental Allergy</i> , 2015, 45, 744-757.	1.4	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. <i>BMJ Open</i> , 2019, 9, e024594.	0.8	45
53	β2-adrenergic receptor polymorphisms are associated with asthma and COPD in adults. <i>Journal of Human Genetics</i> , 2006, 51, 943-951.	1.1	42
54	Association of IL8, CXCR2 and TNF polymorphisms and airway disease. <i>Journal of Human Genetics</i> , 2006, 51, 196-203.	1.1	41

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55	The Impact of Timing of Introduction of Solids on Infant Body Mass Index. <i>Journal of Pediatrics</i> , 2016, 179, 104-110.e1.	0.9	39
56	Persistent pollen exposure during infancy is associated with increased risk of subsequent childhood asthma and hayfever. <i>Clinical and Experimental Allergy</i> , 2013, 43, 337-343.	1.4	38
57	<i>CD14</i> polymorphisms, microbial exposure and allergic diseases: a systematic review of gene-environment interactions. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 1440-1453.	2.7	38
58	Reduction of peptic ulcer disease and <i>Helicobacter pylori</i> infection but increase of reflux esophagitis in Western Sydney between 1990 and 1998. <i>Digestive Diseases and Sciences</i> , 2001, 46, 2716-2723.	1.1	37
59	Pets at birth do not increase allergic disease in atâ€risk children. <i>Clinical and Experimental Allergy</i> , 2012, 42, 1377-1385.	1.4	37
60	Exposure to Cats: Update on Risks for Sensitization and Allergic Diseases. <i>Current Allergy and Asthma Reports</i> , 2012, 12, 413-423.	2.4	37
61	Sensitization to milk, egg and peanut from birth to 18 years: A longitudinal study of a cohort at risk of allergic disease. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 83-91.	1.1	34
62	Mother's smoking and complex lung function of offspring in middle age: A cohort study from childhood. <i>Respirology</i> , 2016, 21, 911-919.	1.3	34
63	Food Allergy Is an Important Risk Factor for Childhood Asthma, Irrespective of Whether It Resolves. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1336-1341.e3.	2.0	34
64	Food Challenge and Community-Reported Reaction Profiles in Food-Allergic Children Aged 1 and 4 Years: A Population-Based Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017, 5, 398-409.e3.	2.0	32
65	Occupational exposure to pesticides are associated with fixed airflow obstruction in middle-age. <i>Thorax</i> , 2017, 72, 990-997.	2.7	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. <i>Pediatric Allergy and Immunology</i> , 2010, 21, 1076-1085.	1.1	31
67	Preterm birth and low birth weight continue to increase the risk of asthma from age 7 to 43. <i>Journal of Asthma</i> , 2017, 54, 616-623.	0.9	31
68	Disease severity and quality of life in a follow-up study of patients with occupational contact dermatitis. <i>Contact Dermatitis</i> , 2011, 65, 138-145.	0.8	29
69	The Doseâ€Response Association between Nitrogen Dioxide Exposure and Serum Interleukin-6 Concentrations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1015.	1.8	29
70	Childhood immunization and atopic disease into middle-age - a prospective cohort study. <i>Pediatric Allergy and Immunology</i> , 2010, 21, 301-306.	1.1	28
71	Childhood Infections and the Risk of Asthma. <i>Chest</i> , 2012, 142, 647-654.	0.4	28
72	A new regulatory variant in the interleukin-6 receptor gene associates with asthma risk. <i>Genes and Immunity</i> , 2013, 14, 441-446.	2.2	27

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73	The interaction between farming/rural environment and TLR2, TLR4, TLR6 and CD14 genetic polymorphisms in relation to early- and late-onset asthma. <i>Scientific Reports</i> , 2017, 7, 43681.	1.6	27
74	Relevance of the hygiene hypothesis to early vs. late onset allergic rhinitis. <i>Clinical and Experimental Allergy</i> , 2009, 39, 370-378.	1.4	26
75	Occupational skin disease in Victoria, Australia. <i>Australasian Journal of Dermatology</i> , 2016, 57, 108-114.	0.4	26
76	Cohort Profile: The Tasmanian Longitudinal Health STUDY (TAHS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw028.	0.9	26
77	Occupational exposure and risk of chronic obstructive pulmonary disease: a systematic review and meta-analysis. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 861-872.	1.0	26
78	Formula and breast feeding in infant food allergy: A population-based study. <i>Journal of Paediatrics and Child Health</i> , 2016, 52, 377-384.	0.4	26
79	Positionally cloned genes and age-specific effects in asthma and atopy: an international population-based cohort study (ECRHS). <i>Thorax</i> , 2010, 65, 124-131.	2.7	25
80	Ambient wood smoke, traffic pollution and adult asthma prevalence and severity. <i>Respirology</i> , 2013, 18, 1101-1107.	1.3	25
81	The additive value of patch testing with patients' own products at an occupational dermatology clinic. <i>Contact Dermatitis</i> , 2009, 61, 231-235.	0.8	24
82	A Review of the Impact of Occupational Contact Dermatitis on Quality of Life. <i>Journal of Allergy</i> , 2011, 2011, 1-12.	0.7	24
83	Early smoke exposure is associated with asthma and lung function deficits in adolescents. <i>Journal of Asthma</i> , 2017, 54, 662-669.	0.9	24
84	Do Glutathione S-Transferase Genes Modify the Link between Indoor Air Pollution and Asthma, Allergies, and Lung Function? A Systematic Review. <i>Current Allergy and Asthma Reports</i> , 2018, 18, 20.	2.4	24
85	How have we been managing chronic obstructive pulmonary disease in Australia?. <i>Internal Medicine Journal</i> , 2006, 36, 92-99.	0.5	23
86	Association between latitude and allergic diseases: a longitudinal study from childhood to middle-age. <i>Annals of Allergy, Asthma and Immunology</i> , 2013, 110, 80-85.e1.	0.5	23
87	Environmental and genetic determinants of vitamin D insufficiency in 12-month-old infants. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 445-454.	1.2	23
88	Interactions of GST Polymorphisms in Air Pollution Exposure and Respiratory Diseases and Allergies. <i>Current Allergy and Asthma Reports</i> , 2016, 16, 85.	2.4	23
89	Cohort Profile: Melbourne Atopy Cohort study (MACS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw011.	0.9	22
90	Prediction models for the development of COPD: a systematic review. <i>International Journal of COPD</i> , 2018, Volume 13, 1927-1935.	0.9	22

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91	Wheeze not current asthma affects quality of life in young adults with asthma. <i>Thorax</i> , 2002, 57, 165-167.	2.7	21
92	The association of asthma with BMI and menarche in the 1958 British Birth Cohort. <i>Journal of Asthma</i> , 2013, 50, 751-758.	0.9	21
93	Occupational exposure to solvents and lung function decline: A population based study. <i>Thorax</i> , 2019, 74, 650-658.	2.7	21
94	Childhood pneumonia, pleurisy and lung function: a cohort study from the first to sixth decade of life. <i>Thorax</i> , 2020, 75, 28-37.	2.7	21
95	Do Variants in GSTs Modify the Association between Traffic Air Pollution and Asthma in Adolescence?. <i>International Journal of Molecular Sciences</i> , 2016, 17, 485.	1.8	20
96	Bronchial hyperresponsiveness and obesity in middle age: insights from an Australian cohort. <i>European Respiratory Journal</i> , 2017, 50, 1602181.	3.1	20
97	GSTT1 null genotype increases risk of premenopausal breast cancer. <i>Cancer Letters</i> , 2002, 181, 73-79.	3.2	19
98	Childhood body mass index and adult mammographic density measures that predict breast cancer risk. <i>Breast Cancer Research and Treatment</i> , 2016, 156, 163-170.	1.1	19
99	Microsomal Epoxide Hydrolase Is Not Associated with COPD in a Community-Based Sample. <i>Human Biology</i> , 2006, 78, 705-717.	0.4	18
100	Associations between reduced diffusing capacity and airflow obstruction in community-based subjects. <i>Respiratory Medicine</i> , 2007, 101, 1730-1737.	1.3	15
101	The Role of Breastfeeding in Childhood Otitis Media. <i>Current Allergy and Asthma Reports</i> , 2016, 16, 68.	2.4	15
102	Maternal age at delivery, lung function and asthma in offspring: a population-based survey. <i>European Respiratory Journal</i> , 2018, 51, 1601611.	3.1	14
103	Residential characteristics predict changes in Der p 1, Fel d 1 and ergosterol but not fungi over time. <i>Clinical and Experimental Allergy</i> , 2003, 33, 1281-1288.	1.4	13
104	Methylation of the filaggrin gene promoter does not affect gene expression and allergy. <i>Pediatric Allergy and Immunology</i> , 2014, 25, 608-610.	1.1	13
105	Hormonal contraception increases risk of asthma among obese but decreases it among nonobese subjects: a prospective, population-based cohort study. <i>ERJ Open Research</i> , 2015, 1, 00026-2015.	1.1	12
106	Domestic airborne pollutants and asthma and respiratory symptoms in middle age. <i>Respirology</i> , 2014, 19, 411-418.	1.3	11
107	Occupational Exposures and the Development of New-onset Asthma. <i>Journal of Occupational and Environmental Medicine</i> , 2013, 55, 235-239.	0.9	10
108	Current asthma contributes as much as smoking to chronic bronchitis in middle age: a prospective population-based study. <i>International Journal of COPD</i> , 2016, Volume 11, 1911-1920.	0.9	10

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109	Critical age windows in the impact of lifetime smoking exposure on respiratory symptoms and disease among ever smokers. <i>Environmental Research</i> , 2018, 164, 241-247.	3.7	10
110	<scp>NO</scp>_x in exhaled breath condensate is related to allergic sensitization in young and middle-aged adults. <i>Clinical and Experimental Allergy</i> , 2019, 49, 171-179.	1.4	10
111	Early menarche is associated with lower adult lung function: A longitudinal cohort study from the first to sixth decade of life. <i>Respirology</i> , 2020, 25, 289-297.	1.3	10
112	Ambient wood smoke exposure and respiratory symptoms in Tasmania, Australia. <i>Science of the Total Environment</i> , 2010, 409, 294-299.	3.9	8
113	Adult Serum Cytokine Concentrations and the Persistence of Asthma. <i>International Archives of Allergy and Immunology</i> , 2013, 161, 342-350.	0.9	8
114	The effect of breastfeeding on lung function at 12 and 18 years: a prospective cohort study. <i>European Respiratory Journal</i> , 2016, 48, 125-132.	3.1	8
115	Poor lung function and tonsillectomy in childhood are associated with mortality from age 18 to 44. <i>Respiratory Medicine</i> , 2010, 104, 808-815.	1.3	7
116	Does the Occupational Contact Dermatitis Disease Severity Index correlate with quality of life in patients with occupational contact dermatitis of the hands?. <i>Contact Dermatitis</i> , 2010, 62, 251-252.	0.8	5
117	Childhood measles contributes to post-bronchodilator airflow obstruction in middle-aged adults: A cohort study. <i>Respirology</i> , 2018, 23, 780-787.	1.3	5
118	The Role of Early Life Food Sensitization in Adolescent Lung Function: Results from 2 Birth Cohort Studies. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1825-1834.e12.	2.0	4
119	Reasons for ongoing participation in a longitudinal cohort study. <i>Australian and New Zealand Journal of Public Health</i> , 2012, 36, 397-398.	0.8	3
120	Early-life exposure to sibling modifies the relationship between <i>CD14</i> polymorphisms and allergic sensitization. <i>Clinical and Experimental Allergy</i> , 2019, 49, 331-340.	1.4	2
121	Response to: Occupational asthma contribution to phenotyping adult asthma by using age-of-asthma onset clustering™. <i>Expert Review of Respiratory Medicine</i> , 2015, 9, 389-390.	1.0	1
122	Residential Exposure to Outdoor Air Pollution and Post-bronchodilator Lung Function Deficits in Mid-Adult Life. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 110-114.	2.5	1