Bo L Chawes

List of Publications by Year
in descending order

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119 papers	4,898 citations	126907 33 h-index	110387 64 g-index
124 all docs	124 docs citations	124 times ranked	7404 citing authors

#	Article	IF	Citations
1	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. Nature Genetics, 2019, 51, 804-814.	21.4	402
2	Maturation of the gut microbiome and risk of asthma in childhood. Nature Communications, 2018, 9, 141.	12.8	380
3	Fish Oilâ€"Derived Fatty Acids in Pregnancy and Wheeze and Asthma in Offspring. New England Journal of Medicine, 2016, 375, 2530-2539.	27.0	367
4	Effect of Vitamin D₃Supplementation During Pregnancy on Risk of Persistent Wheeze in the Offspring. JAMA - Journal of the American Medical Association, 2016, 315, 353.	7.4	260
5	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	6.2	252
6	Chromosome 17q21 Gene Variants Are Associated with Asthma and Exacerbations but Not Atopy in Early Childhood. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 179-185.	5.6	196
7	Prenatal vitamin D supplementation reduces risk of asthma/recurrent wheeze in early childhood: A combined analysis of two randomized controlled trials. PLoS ONE, 2017, 12, e0186657.	2.5	158
8	Cesarean section changes neonatal gut colonization. Journal of Allergy and Clinical Immunology, 2016, 138, 881-889.e2.	2.9	154
9	Azithromycin for episodes with asthma-like symptoms in young children aged 1â€"3 years: a randomised, double-blind, placebo-controlled trial. Lancet Respiratory Medicine,the, 2016, 4, 19-26.	10.7	148
10	Pathogenic Bacteria Colonizing the Airways in Asymptomatic Neonates Stimulates Topical Inflammatory Mediator Release. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 589-595.	5.6	124
11	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
12	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	3.5	95
13	Infant airway microbiota and topical immune perturbations in the origins of childhood asthma. Nature Communications, 2019, 10, 5001.	12.8	92
14	Delivery mode and gut microbial changes correlate with an increased risk of childhood asthma. Science Translational Medicine, 2020, 12, .	12.4	92
15	Cord Blood 25(OH)-Vitamin D Deficiency and Childhood Asthma, Allergy and Eczema: The COPSAC2000 Birth Cohort Study. PLoS ONE, 2014, 9, e99856.	2.5	88
16	Cadherin-related Family Member 3 Genetics and Rhinovirus C Respiratory Illnesses. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 589-594.	5.6	80
17	In utero exposure to 25-hydroxyvitamin D and risk of childhood asthma, wheeze, and respiratory tract infections: AÂmeta-analysis of birth cohort studies. Journal of Allergy and Clinical Immunology, 2017, 139, 1508-1517.	2.9	75
18	Safety and efficacy of tiotropium in children aged 1â€"5 years with persistent asthmatic symptoms: a randomised, double-blind, placebo-controlled trial. Lancet Respiratory Medicine,the, 2018, 6, 127-137.	10.7	62

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19	Epidemiology and Risk Factors of Infection in Early Childhood. Pediatrics, 2018, 141, .	2.1	60
20	Neonatal Cytokine Profile in the Airway Mucosal Lining Fluid Is Skewed by Maternal Atopy. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 275-280.	5.6	57
21	Urbanized microbiota in infants, immune constitution, and later risk of atopic diseases. Journal of Allergy and Clinical Immunology, 2021, 148, 234-243.	2.9	54
22	Association of High-Dose Vitamin D Supplementation During Pregnancy With the Risk of Enamel Defects in Offspring. JAMA Pediatrics, 2019, 173, 924.	6.2	53
23	Immunological Outcomes of Allergen-Specific Immunotherapy in Food Allergy. Frontiers in Immunology, 2020, 11, 568598.	4.8	53
24	An Integrative Transcriptomic and Metabolomic Study of Lung Function in Children With Asthma. Chest, 2018, 154, 335-348.	0.8	52
25	Effect of High-Dose vs Standard-Dose Vitamin D Supplementation in Pregnancy on Bone Mineralization in Offspring Until Age 6 Years. JAMA Pediatrics, 2020, 174, 419.	6.2	51
26	Genetic, Clinical, and Environmental Factors Associated With Persistent Atopic Dermatitis in Childhood. JAMA Dermatology, 2019, 155, 50.	4.1	50
27	Optimal timing of influenza vaccine during pregnancy: A systematic review and metaâ€analysis. Influenza and Other Respiratory Viruses, 2019, 13, 438-452.	3.4	49
28	Efficacy, adverse events, and inter-drug comparison of mepolizumab and reslizumab anti-IL-5 treatments of severe asthma â€“ a systematic review and meta-analysis. European Clinical Respiratory Journal, 2018, 5, 1536097.	1.5	47
29	Cat exposure in early life decreases asthma risk from the 17q21 high-risk variant. Journal of Allergy and Clinical Immunology, 2018, 141, 1598-1606.	2.9	41
30	Atopic endotype in childhood. Journal of Allergy and Clinical Immunology, 2016, 137, 844-851.e4.	2.9	40
31	Fish-oil supplementation in pregnancy, child metabolomics and asthma risk. EBioMedicine, 2019, 46, 399-410.	6.1	39
32	Levels of Systemic Low-grade Inflammation in Pregnant Mothers and Their Offspring are Correlated. Scientific Reports, 2019, 9, 3043.	3.3	38
33	Airway obstruction and bronchial reactivity from age 1 month until 13 years in children with asthma: A prospective birth cohort study. PLoS Medicine, 2019, 16, e1002722.	8.4	38
34	Characteristics and Mechanisms of a Sphingolipid-associated Childhood Asthma Endotype. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 853-863.	5.6	35
35	Living with Cat and Dog Increases Vaginal Colonization with E. coli in Pregnant Women. PLoS ONE, 2012, 7, e46226.	2.5	31
36	Vitamin D prenatal programming of childhood metabolomics profiles at age 3 y. American Journal of Clinical Nutrition, 2017, 106, 1092-1099.	4.7	31

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37	Epigenetic landscape links upper airway microbiota in infancy with allergic rhinitis at 6 years of age. Journal of Allergy and Clinical Immunology, 2020, 146, 1358-1366.	2.9	31
38	Metabolomics Analytics Workflow for Epidemiological Research: Perspectives from the Consortium of Metabolomics Studies (COMETS). Metabolites, 2019, 9, 145.	2.9	30
39	The role of the 17q21 genotype in the prevention of early childhood asthma and recurrent wheeze by vitamin D. European Respiratory Journal, 2019, 54, 1900761.	6.7	29
40	Sensitization trajectories in childhood revealed by using a cluster analysis. Journal of Allergy and Clinical Immunology, 2017, 140, 1693-1699.	2.9	27
41	Effect of fish oil supplementation in pregnancy on bone, lean, and fat mass at six years: randomised clinical trial. BMJ: British Medical Journal, 2018, 362, k3312.	2.3	27
42	The Airway Microbiota Modulates Effect of Azithromycin Treatment for Episodes of Recurrent Asthma-like Symptoms in Preschool Children: A Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 149-158.	5.6	27
43	Fish Oil Supplementation in Pregnancy Increases Gestational Age, Size for Gestational Age, and Birth Weight in Infants: A Randomized Controlled Trial. Journal of Nutrition, 2019, 149, 628-634.	2.9	26
44	Association between childhood asthma and attention deficit hyperactivity or autism spectrum disorders: A systematic review with metaâ€analysis. Clinical and Experimental Allergy, 2021, 51, 228-252.	2.9	26
45	Single and multiple timeâ€point allergic sensitization during childhood and risk of asthma by age 13. Pediatric Allergy and Immunology, 2019, 30, 716-723.	2.6	25
46	Efficacy of omalizumab in children, adolescents, and adults with severe allergic asthma: a systematic review, meta-analysis, and call for new trials using current guidelines for assessment of severe asthma. Allergy, Asthma and Clinical Immunology, 2020, 16, 49.	2.0	25
47	Prenatal dietary supplements influence the infant airway microbiota in a randomized factorial clinical trial. Nature Communications, 2020, 11, 426.	12.8	25
48	Cesarean Delivery and Body Mass Index at 6 Months and Into Childhood. Pediatrics, 2017, 139, .	2.1	23
49	Picornavirus-Induced Airway Mucosa Immune Profile in Asymptomatic Neonates. Journal of Infectious Diseases, 2016, 213, 1262-1270.	4.0	22
50	FUT2â€“ABO epistasis increases the risk of early childhood asthma and Streptococcus pneumoniae respiratory illnesses. Nature Communications, 2020, 11, 6398.	12.8	21
51	The developing airway and gut microbiota in early life is influenced by age of older siblings. Microbiome, 2022, 10, .	11.1	21
52	Neonatal metabolome of caesarean section and risk of childhood asthma. European Respiratory Journal, 2022, 59, 2102406.	6.7	20
53	The Metabolomics of Childhood Atopic Diseases: A Comprehensive Pathway-Specific Review. Metabolites, 2020, 10, 511.	2.9	19
54	Distinct immune phenotypes in infants developing asthma during childhood. Science Translational Medicine, 2020, 12, .	12.4	19

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55	Assessment of adherence to asthma controllers in children and adolescents. Pediatric Allergy and Immunology, 2020, 31, 930-937.	2.6	18
56	Asthma-like symptoms in young children increase the risk of COPD. Journal of Allergy and Clinical Immunology, 2021, 147, 569-576.e9.	2.9	18
57	Increasing severity of earlyâ€onset atopic dermatitis, but not lateâ€onset, associates with development of aeroallergen sensitization and allergic rhinitis in childhood. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1254-1262.	5.7	17
58	High-Dose Vitamin D Supplementation in Pregnancy and Neurodevelopment in Childhood. JAMA Network Open, 2020, 3, e2026018.	5.9	17
59	Neonatal Urine Metabolic Profiling and Development of Childhood Asthma. Metabolites, 2019, 9, 185.	2.9	16
60	Multiple Breath Washout for Diagnosing Asthma and Persistent Wheeze in Young Children. Annals of the American Thoracic Society, 2019, 16, 599-605.	3.2	16
61	Determinants of neurodevelopment in early childhood â€“ results from the Copenhagen prospective studies on asthma in childhood (<scp>COPSAC</scp>₂₀₁₀) motherâ€“child cohort. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 1632-1641.	1.5	14
62	Children Monosensitized to Can f 5 Show Different Reactions to Male and Female Dog Allergen Extract Provocation: A Randomized Controlled Trial. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1592-1597.e2.	3.8	14
63	Maternal Metabolome in Pregnancy and Childhood Asthma or Recurrent Wheeze in the Vitamin D Antenatal Asthma Reduction Trial. Metabolites, 2021, 11, 65.	2.9	14
64	Children with Asthma Have Fixed Airway Obstruction through Childhood Unaffected by Exacerbations. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1263-1271.e3.	3.8	12
65	Lung function testing and inflammation markers for wheezing preschool children: A systematic review for the EAACI Clinical Practice Recommendations on Diagnostics of Preschool Wheeze. Pediatric Allergy and Immunology, 2021, 32, 501-513.	2.6	12
66	Precision allergy: Separate allergies to male and female dogs. Journal of Allergy and Clinical Immunology: in Practice, 2017, 5, 1754-1756.	3.8	11
67	CDHR3 gene variation and childhood bronchiolitis. Journal of Allergy and Clinical Immunology, 2017, 140, 1469-1471.e7.	2.9	11
68	Reduced IL-2 response from peripheral blood mononuclear cells exposed to bacteria at 6â€¯months of age is associated with elevated total-IgE and allergic rhinitis during the first 7â€¯years of life. EBioMedicine, 2019, 43, 587-593.	6.1	11
69	Maternal 17q21 genotype influences prenatal vitamin D effects on offspring asthma/recurrent wheeze. European Respiratory Journal, 2021, 58, 2002012.	6.7	11
70	Neonatal airway immune profiles and asthma and allergy endpoints in childhood. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 3713-3722.	5.7	11
71	Season of Birth Impacts the Neonatal Nasopharyngeal Microbiota. Children, 2020, 7, 45.	1.5	10
72	Null association between serum 25â€hydroxyvitamin D levels with allergic rhinitis, allergic sensitization and nonâ€allergic rhinitis: A Mendelian randomization study. Clinical and Experimental Allergy, 2021, 51, 78-86.	2.9	10

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73	Associations between Inhaled Corticosteroid Use in the First 6 Years of Life and Obesity-related Traits. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 642-650.	5.6	10
74	Plasma proteins elevated in severe asthma despite oral steroid use and unrelated to Type-2 inflammation. European Respiratory Journal, 2022, 59, 2100142.	6.7	10
75	FeNO and Exercise Testing in Children at Risk of Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 855-862.e2.	3.8	9
76	Longâ€term predictors of loss of asthma control in schoolâ€aged wellâ€controlled children with mild to moderate asthma: A 5â€year followâ€up. Pediatric Pulmonology, 2022, 57, 81-89.	2.0	9
77	Vertical Transfer of Metabolites Detectable from Newbornâ€™s Dried Blood Spot Samples Using UPLC-MS: A Chemometric Study. Metabolites, 2022, 12, 94.	2.9	9
78	Prenatal tobacco exposure and risk of asthma and allergy outcomes in childhood. European Respiratory Journal, 2022, 59, 2100453.	6.7	8
79	Genome-wide study of early and severe childhood asthma identifies interaction between CDHR3 and GSDMB. Journal of Allergy and Clinical Immunology, 2022, 150, 622-630.	2.9	8
80	New time-saving predictor algorithm for multiple breath washout in adolescents. Pediatric Research, 2016, 80, 49-53.	2.3	7
81	Limited clinical value of exhaled volatile organic compound measurements in childhood asthma. ERJ Open Research, 2018, 4, 00026-2018.	2.6	7
82	Parentâ€specific effects on risk of developing allergic sensitization and asthma in childhood. Clinical and Experimental Allergy, 2020, 50, 915-921.	2.9	7
83	Allergen Specificity in Specific IgE Cutoff. JAMA Pediatrics, 2020, 174, 993.	6.2	7
84	High-dose vitamin D supplementation in pregnancy and 25(OH)D sufficiency in childhood reduce the risk of fractures and improve bone mineralization in childhood: Follow-up of a randomized clinical trial. EClinicalMedicine, 2022, 43, 101254.	7.1	7
85	Safety of High-Dose Vitamin D Supplementation Among Children Aged 0 to 6 Years. JAMA Network Open, 2022, 5, e227410.	5.9	7
86	Knemometry is more sensitive to systemic effects of inhaled corticosteroids in children with asthma than 24-hour urine cortisol excretion. Journal of Allergy and Clinical Immunology, 2017, 140, 431-436.	2.9	6
87	Plasma 25-Hydroxyvitamin D Concentrations are Associated with Polyunsaturated Fatty Acid Metabolites in Young Children: Results from the Vitamin D Antenatal Asthma Reduction Trial. Metabolites, 2020, 10, 151.	2.9	6
88	Fish Oil Supplementation in Pregnancy and Neurodevelopment in Childhoodâ€”A Randomized Clinical Trial. Child Development, 2021, 92, 1624-1635.	3.0	6
89	Associations of 25 Hydroxyvitamin D and High Sensitivity C-reactive Protein Levels in Early Life. Nutrients, 2022, 14, 15.	4.1	6
90	Cross-Sectional Blood Metabolite Markers of Hypertension: A Multicohort Analysis of 44,306 Individuals from the COnsortium of METabolomics Studies. Metabolites, 2022, 12, 601.	2.9	6

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91	Environmental and Genetic Determinants of Serum 25(OH)-Vitamin D Levels during Pregnancy and Early Childhood. Children, 2019, 6, 116.	1.5	5
92	Whole Genome Sequencing Identifies CRISPLD2 as a Lung Function Gene in Children With Asthma. Chest, 2019, 156, 1068-1079.	0.8	5
93	Fish oil supplementation during pregnancy is protective against asthma/wheeze in offspring. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 388-391.e2.	3.8	5
94	Interaction between filaggrin mutations and neonatal cat exposure in atopic dermatitis. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1481-1485.	5.7	5
95	Airway immune mediator levels during asthmaâ€like symptoms in young children and their possible role in response to azithromycin. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 76, 1754-1764.	5.7	5
96	Highâ€dose vitamin D during pregnancy and pathway gene polymorphisms in prevention of offspring persistent wheeze. Pediatric Allergy and Immunology, 2021, 32, 679-689.	2.6	5
97	Indirect comparison of efficacy of dupilumab versus mepolizumab and omalizumab for severe type 2 asthma. ERJ Open Research, 2021, 7, 00306-2021.	2.6	5
98	Early life bacterial airway colonization, local immune mediator response and risk of otitis media. Journal of Medical Microbiology, 2020, 69, 1124-1131.	1.8	5
99	Pulmonary function testing for the diagnosis of asthma in preschool children. Current Opinion in Allergy and Clinical Immunology, 2022, 22, 101-106.	2.3	5
100	Sensitivity of multiple breath washout to detect mild-to-moderate asthma in adolescence. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 2052-2054.e5.	3.8	4
101	Symptom burden of atopic dermatitis in early childhood assessed from daily monitoring of symptoms and topical steroid use. Journal of the American Academy of Dermatology, 2021, 84, 725-734.	1.2	4
102	Vaginal dysbiosis in pregnancy associates with risk of emergency caesarean section: a prospective cohort study. Clinical Microbiology and Infection, 2022, 28, 588-595.	6.0	4
103	Height and bone mineral content after inhaled corticosteroid use in the first 6 years of life. Thorax, 2022, 77, 745-751.	5.6	4
104	Effects of prenatal nutrient supplementation and early life exposures on neurodevelopment at age 10: a randomised controlled trial - the COPSYCH study protocol. BMJ Open, 2022, 12, e047706.	1.9	4
105	A clinical pharmacology study of fixed vs. free combination of inhaled beclometasone dipropionate and formoterol fumarate dry powder inhalers in asthmatic adolescents. British Journal of Clinical Pharmacology, 2014, 78, 1169-1171.	2.4	3
106	NKG2D gene variation and susceptibility to viral bronchiolitis in childhood. Pediatric Research, 2018, 84, 451-457.	2.3	3
107	Innate ILâ€23/Type 17 immune responses mediate the effect of the 17q21 locus on childhood asthma. Clinical and Experimental Allergy, 2021, 51, 892-901.	2.9	3
108	Time trends of chronic immune diseases by year of birth in Danish registries. European Journal of Epidemiology, 2021, 36, 1179-1185.	5.7	3

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109	Objective confirmation of asthma diagnosis, treatment adherence and patient outcomes in children and adolescents. Acta Paediatrica, International Journal of Paediatrics, 2021, , .	1.5	3
110	Supplementation With Fish Oil in Pregnancy Reduces Gastroenteritis in Early Childhood. Journal of Infectious Diseases, 2023, 227, 448-456.	4.0	3
111	Delayed Motor Milestones Achievement in Infancy Associates with Perturbations of Amino Acids and Lipid Metabolic Pathways. Metabolites, 2020, 10, 337.	2.9	2
112	Cost of Illness in Young Children: A Prospective Birth Cohort Study. Children, 2021, 8, 173.	1.5	2
113	Azithromycin and high-dose vitamin D for treatment and prevention of asthma-like episodes in hospitalised preschool children: study protocol for a combined double-blind randomised controlled trial. BMJ Open, 2022, 12, e054762.	1.9	2
114	Noninvasive Sampling of Mucosal Lining Fluid for the Quantification of In Vivo Upper Airway Immune-mediator Levels. Journal of Visualized Experiments, 2017, , .	0.3	1
115	Prenatal Vitamin D Supplementation to Improve Health in Offspring. JAMA Pediatrics, 2018, 172, 617.	6.2	1
116	Predictors of completion and outcome of exercise challenge tests in childhood asthma. Pediatric Allergy and Immunology, 2020, 31, 574-578.	2.6	1
117	Maternal High-Dose Vitamin D Supplementation and Offspring Bone Mineralization Until Age 6 Yearsâ€”Reply. JAMA Pediatrics, 2021, 175, 104.	6.2	1
118	On using kernel integration by graphical LASSO to study partial correlations between heterogeneous data sets. Journal of Chemometrics, 2021, 35, e3324.	1.3	0
119	Allergic Comorbidity Is a Risk Factor for Not Attending Scheduled Outpatient Visits in Children with Asthma. Children, 2021, 8, 1193.	1.5	0