

# Allan B Becker

## List of Publications by Year in descending order

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Version: 2024-02-01

120  
papers

6,628  
citations

101543

36  
h-index

71685

76  
g-index

122  
all docs

122  
docs citations

122  
times ranked

9759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing secondhand and thirdhand tobacco smoke exposure in Canadian infants using questionnaires, biomarkers, and machine learning. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 112-123.	3.9	8
2	Transitions between alternating childhood allergy sensitization and current asthma states: A retrospective cohort analysis. <i>Pediatric Allergy and Immunology</i> , 2022, 33, e13699.	2.6	3
3	Factors associated with breast-feeding initiation and continuation in Canadian-born and non-Canadian-born women: a multi-centre study. <i>Public Health Nutrition</i> , 2022, 25, 2822-2833.	2.2	4
4	Lung clearance index predicts persistence of preschool wheeze. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	2.6	0
5	Wheeze trajectories: Determinants and outcomes in the CHILD Cohort Study. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 2153-2165.	2.9	22
6	Longitudinal body mass index trajectories at preschool age: children with rapid growth have differential composition of the gut microbiota in the first year of life. <i>International Journal of Obesity</i> , 2022, 46, 1351-1358.	3.4	7
7	World Health Organization growth standards: How do Canadian children measure up?. <i>Paediatrics and Child Health</i> , 2021, 26, e208-e214.	0.6	1
8	Prenatal egg consumption and infant sensitization and allergy to egg, peanut, and cow's milk in the CHILD Cohort. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 2109-2112.e2.	3.8	4
9	Development and Validation of SDBeas Score as a Predictor of Behavioral Outcomes in Childhood. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 718-725.	5.6	4
10	From Birth to Overweight and Atopic Disease: Multiple and Common Pathways of the Infant Gut Microbiome. <i>Gastroenterology</i> , 2021, 160, 128-144.e10.	1.3	31
11	Bacteroides-dominant gut microbiome of late infancy is associated with enhanced neurodevelopment. <i>Gut Microbes</i> , 2021, 13, 1-17.	9.8	74
12	Sex-specific associations of human milk long-chain polyunsaturated fatty acids and infant allergic conditions. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1173-1182.	2.6	6
13	Bacterial-fungal interactions in the neonatal gut influence asthma outcomes later in life. <i>ELife</i> , 2021, 10, .	6.0	22
14	Decision tree-based rules outperform risk scores for childhood asthma prognosis. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1464-1473.	2.6	7
15	A rich meconium metabolome in human infants is associated with early-life gut microbiota composition and reduced allergic sensitization. <i>Cell Reports Medicine</i> , 2021, 2, 100260.	6.5	21
16	Ethnicity Associations With Food Sensitization Are Mediated by Gut Microbiota Development in the First Year of Life. <i>Gastroenterology</i> , 2021, 161, 94-106.	1.3	16
17	Polygenic risk score for atopic dermatitis in the Canadian population. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 406-409.	2.9	12
18	Maternal consumption of artificially sweetened beverages during pregnancy is associated with infant gut microbiota and metabolic modifications and increased infant body mass index. <i>Gut Microbes</i> , 2021, 13, 1-15.	9.8	35

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19	Reduced peanut sensitization with maternal peanut consumption and early peanut introduction while breastfeeding. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 811-818.	1.4	12
20	Newly developed multiple-breath washout reference equations from the CHILD Cohort Study: implications of poorly fitting equations. <i>ERJ Open Research</i> , 2021, 7, 00301-2020.	2.6	2
21	Timing of Introduction, Sensitization, and Allergy to Highly Allergenic Foods at Age 3 Years in a General-Population Canadian Cohort. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 166-175.e10.	3.8	19
22	Maternal psychological distress before birth influences gut immunity in midâ€inancy. <i>Clinical and Experimental Allergy</i> , 2020, 50, 178-188.	2.9	18
23	Paradigm Shift in Asthma Therapy for Adolescents. <i>JAMA Pediatrics</i> , 2020, 174, 227.	6.2	7
24	Maternal Diet and the Serum Metabolome in Pregnancy: Robust Dietary Biomarkers Generalizable to a Multiethnic Birth Cohort. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa144.	0.3	24
25	Cardiorespiratory Monitoring Data during Sleep in Healthy Canadian Infants. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1238-1246.	3.2	13
26	Vitamin D supplementation in pregnancy and early infancy in relation to gut microbiota composition and <i>C. difficile</i> colonization: implications for viral respiratory infections. <i>Gut Microbes</i> , 2020, 12, 1799734.	9.8	16
27	Ethnic differences in maternal diet in pregnancy and infant eczema. <i>PLoS ONE</i> , 2020, 15, e0232170.	2.5	8
28	Association of use of cleaning products with respiratory health in a Canadian birth cohort. <i>Cmaj</i> , 2020, 192, E154-E161.	2.0	30
29	The relationship between machine-learning-derived sleep parameters and behavior problems in 3- and 5-year-old children: results from the CHILD Cohort study. <i>Sleep</i> , 2020, 43, .	1.1	5
30	Food allergy and growth from late childhood to early adolescence. <i>Annals of Allergy, Asthma and Immunology</i> , 2020, 125, 483-485.	1.0	3
31	Natural environments in the urban context and gut microbiota in infants. <i>Environment International</i> , 2020, 142, 105881.	10.0	30
32	Breastmilk Feeding Practices Are Associated with the Co-Occurrence of Bacteria in Mothersâ€™ Milk and the Infant Gut: the CHILD Cohort Study. <i>Cell Host and Microbe</i> , 2020, 28, 285-297.e4.	11.0	148
33	Cord blood hemopoietic cell receptor expression is associated with early life atopic risk and lung function. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1762-1765.	5.7	1
34	Sex-specific association of human milk hormones and asthma in the CHILD cohort. <i>Pediatric Allergy and Immunology</i> , 2020, 31, 570-573.	2.6	2
35	Risk for Maternal Depressive Symptoms and Perceived Stress by Ethnicities in Canada: From Pregnancy Through the Preschool Years. <i>Canadian Journal of Psychiatry</i> , 2019, 64, 190-198.	1.9	7
36	Time for Allergists to Consider the Role of Mouse Allergy in Non-Inner City Children with Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1778-1782.	3.8	6

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37	GINA 2019: a fundamental change in asthma management. <i>European Respiratory Journal</i> , 2019, 53, 1901046.	6.7	277
38	Trajectories of Depressive Symptoms and Perceived Stress From Pregnancy to the Postnatal Period Among Canadian Women: Impact of Employment and Immigration. <i>American Journal of Public Health</i> , 2019, 109, S197-S204.	2.7	21
39	Human milk fatty acid composition is associated with dietary, genetic, sociodemographic, and environmental factors in the CHILD Cohort Study. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1370-1383.	4.7	80
40	Prenatal depression and birth mode sequentially mediate maternal education's influence on infant sleep duration. <i>Sleep Medicine</i> , 2019, 59, 24-32.	1.6	13
41	<i>Clostridioides Difficile</i> Colonization Is Differentially Associated with Gut Microbiota Composition in Breastfed versus Formula Fed Infants (OR01-02-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz040.OR01-02-19.	0.3	0
42	Evaluation of eczema, asthma, allergic rhinitis and allergies among the grade-7 children of Iqaluit. <i>Allergy, Asthma and Clinical Immunology</i> , 2019, 15, 26.	2.0	4
43	Myeloid-derived suppressor cells: Roles and relations with Th2, Th17, and Treg cells in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 2233-2237.	5.7	12
44	Screen-time is associated with inattention problems in preschoolers: Results from the CHILD birth cohort study. <i>PLoS ONE</i> , 2019, 14, e0213995.	2.5	165
45	Associations between concentrations of perfluoroalkyl substances in human plasma and maternal, infant, and home characteristics in Winnipeg, Canada. <i>Environmental Pollution</i> , 2019, 249, 758-766.	7.5	26
46	<i>Clostridioides difficile</i> Colonization Is Differentially Associated With Gut Microbiome Profiles by Infant Feeding Modality at 3-4 Months of Age. <i>Frontiers in Immunology</i> , 2019, 10, 2866.	4.8	22
47	Calcium Intake in Children with Eczema and/or Food Allergy: A Prospective Cohort Study. <i>Nutrients</i> , 2019, 11, 3039.	4.1	5
48	What Is the Role of Increasing Inhaled Corticosteroid Therapy in Worsening Asthma in Children?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 842-847.	3.8	2
49	Where does worsening asthma end and an asthma exacerbation begin?. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 123, 329-330.	1.0	2
50	Associations between meeting the Canadian 24-Hour Movement Guidelines for the Early Years and behavioral and emotional problems among 3-year-olds. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 797-802.	1.3	59
51	Exclusive breastfeeding in hospital predicts longer breastfeeding duration in Canada: Implications for health equity. <i>Birth</i> , 2018, 45, 440-449.	2.2	38
52	Parent-Reported Symptoms of Sleep-Disordered Breathing Are Associated With Increased Behavioral Problems at 2 Years of Age: The Canadian Healthy Infant Longitudinal Development Birth Cohort Study. <i>Sleep</i> , 2018, 41, .	1.1	16
53	Roles of Birth Mode and Infant Gut Microbiota in Intergenerational Transmission of Overweight and Obesity From Mother to Offspring. <i>JAMA Pediatrics</i> , 2018, 172, 368.	6.2	235
54	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018, 50, 42-53.	21.4	426

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55	Shorter sleep duration is associated with reduced cognitive development at two years of age. <i>Sleep Medicine</i> , 2018, 48, 131-139.	1.6	59
56	Maternal depressive symptoms linked to reduced fecal Immunoglobulin A concentrations in infants. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 123-131.	4.1	34
57	Reduced risk of peanut sensitization following exposure through breast-feeding and early peanut introduction. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 620-625.e1.	2.9	45
58	Predicting the atopic march: Results from the Canadian Healthy Infant Longitudinal Development Study. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 601-607.e8.	2.9	127
59	Diagnosing atopic dermatitis in infancy: Questionnaire reports vs criteria-based assessment. <i>Paediatric and Perinatal Epidemiology</i> , 2018, 32, 556-567.	1.7	6
60	Current State and Future of Biologic Therapies in the Treatment of Asthma in Children. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2018, 31, 119-131.	0.8	35
61	A qualitative study exploring parents' experiences with epinephrine use for their child's anaphylactic reaction. <i>Clinical and Translational Allergy</i> , 2018, 8, 43.	3.2	24
62	Postnatal exposure to household disinfectants, infant gut microbiota and subsequent risk of overweight in children. <i>Cmaj</i> , 2018, 190, E1097-E1107.	2.0	46
63	Reference equations for the interpretation of forced expiratory and plethysmographic measurements in infants. <i>Pediatric Pulmonology</i> , 2018, 53, 907-916.	2.0	6
64	Use of Oral Corticosteroids in the Wheezy Toddler. <i>Journal of Pediatrics</i> , 2018, 201, 16-20.	1.8	4
65	Wheeze trajectories are modifiable through early-life intervention and predict asthma in adolescence. <i>Pediatric Allergy and Immunology</i> , 2018, 29, 612-621.	2.6	31
66	Evaluation of eczema, asthma, allergic rhinitis and allergies among the Grade-1 children of Iqaluit. <i>Allergy, Asthma and Clinical Immunology</i> , 2018, 14, 9.	2.0	12
67	Association of Exposure to Formula in the Hospital and Subsequent Infant Feeding Practices With Gut Microbiota and Risk of Overweight in the First Year of Life. <i>JAMA Pediatrics</i> , 2018, 172, e181161.	6.2	218
68	Phenotypes of sleep-disordered breathing symptoms to two years of age based on age of onset and duration of symptoms. <i>Sleep Medicine</i> , 2018, 48, 93-100.	1.6	14
69	Ventilation inhomogeneity in infants with recurrent wheezing. <i>Thorax</i> , 2018, 73, 936-941.	5.6	8
70	Breastfeeding, maternal asthma and wheezing in the first year of life: a longitudinal birth cohort study. <i>European Respiratory Journal</i> , 2017, 49, 1602019.	6.7	63
71	Timing of food introduction and development of food sensitization in a prospective birth cohort. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 471-477.	2.6	48
72	Asthma guidelines: the Global Initiative for Asthma in relation to national guidelines. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2017, 17, 99-103.	2.3	128

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73	Exposure to household furry pets influences the gut microbiota of infants at 3-4 months following various birth scenarios. <i>Microbiome</i> , 2017, 5, 40.	11.1	197
74	Ethnic and diet-related differences in the healthy infant microbiome. <i>Genome Medicine</i> , 2017, 9, 32.	8.2	93
75	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.	5.6	107
76	Delayed stinging insect reactions. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 119, 287-288.	1.0	3
77	Does inhaled steroid therapy help emerging asthma in early childhood?. <i>Lancet Respiratory Medicine</i> , 2017, 5, 827-834.	10.7	13
78	Does the impact of a plant-based diet during pregnancy on birth weight differ by ethnicity? A dietary pattern analysis from a prospective Canadian birth cohort alliance. <i>BMJ Open</i> , 2017, 7, e017753.	1.9	31
79	Epinephrine use for anaphylaxis: Too seldom, too late. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 119, 108-110.	1.0	32
80	Fecal Short-Chain Fatty Acid Variations by Breastfeeding Status in Infants at 4 Months: Differences in Relative versus Absolute Concentrations. <i>Frontiers in Nutrition</i> , 2017, 4, 11.	3.7	121
81	Cesarean Section, Formula Feeding, and Infant Antibiotic Exposure: Separate and Combined Impacts on Gut Microbial Changes in Later Infancy. <i>Frontiers in Pediatrics</i> , 2017, 5, 200.	1.9	69
82	Oral food challenge outcomes in a pediatric tertiary care center. <i>Allergy, Asthma and Clinical Immunology</i> , 2017, 13, 43.	2.0	29
83	Sex-specific impact of asthma during pregnancy on infant gut microbiota. <i>European Respiratory Journal</i> , 2017, 50, 1700280.	6.7	20
84	Cognitive Enhancement in Infants Associated with Increased Maternal Fruit Intake During Pregnancy: Results from a Birth Cohort Study with Validation in an Animal Model. <i>EBioMedicine</i> , 2016, 8, 331-340.	6.1	19
85	High fecal IgA is associated with reduced <i>Clostridium difficile</i> colonization in infants. <i>Microbes and Infection</i> , 2016, 18, 543-549.	1.9	26
86	Association Between Artificially Sweetened Beverage Consumption During Pregnancy and Infant Body Mass Index. <i>JAMA Pediatrics</i> , 2016, 170, 662.	6.2	126
87	Harmonization of Food-Frequency Questionnaires and Dietary Pattern Analysis in 4 Ethnically Diverse Birth Cohorts. <i>Journal of Nutrition</i> , 2016, 146, 2343-2350.	2.9	31
88	Shifts in <i>Lachnospira</i> and <i>Clostridium sp.</i> in the 3-month stool microbiome are associated with preschool age asthma. <i>Clinical Science</i> , 2016, 130, 2199-2207.	4.3	100
89	Effect of asthma therapies on the natural course of asthma. <i>Annals of Allergy, Asthma and Immunology</i> , 2016, 117, 627-633.	1.0	15
90	Vitamin D [1,25(OH)2D3] Differentially Regulates Human Innate Cytokine Responses to Bacterial versus Viral Pattern Recognition Receptor Stimuli. <i>Journal of Immunology</i> , 2016, 196, 2965-2972.	0.8	38

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91	Wheezing Patterns in Early Childhood and the Risk of Respiratory and Allergic Disease in Adolescence. <i>JAMA Pediatrics</i> , 2016, 170, 393.	6.2	12
92	Gut microbiota and allergic disease in children. <i>Annals of Allergy, Asthma and Immunology</i> , 2016, 116, 99-105.	1.0	47
93	The Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort study: assessment of environmental exposures. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 580-592.	3.9	49
94	Associations between the 17q21 region and allergic rhinitis in 5 birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 573-576.e5.	2.9	15
95	The Canadian Healthy Infant Longitudinal Development (CHILD) Study: examining developmental origins of allergy and asthma: Table A1. <i>Thorax</i> , 2015, 70, 998-1000.	5.6	157
96	Early infancy microbial and metabolic alterations affect risk of childhood asthma. <i>Science Translational Medicine</i> , 2015, 7, 307ra152.	12.4	1,277
97	Perinatal antibiotic exposure of neonates in Canada and associated risk factors: a population-based study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2015, 28, 1190-1195.	1.5	66
98	Chronic exposure to perfluorinated compounds: Impact on airway hyperresponsiveness and inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L765-L774.	2.9	50
99	Effectiveness of montelukast administered as monotherapy or in combination with inhaled corticosteroid in pediatric patients with uncontrolled asthma: a prospective cohort study. <i>Allergy, Asthma and Clinical Immunology</i> , 2014, 10, 21.	2.0	12
100	Wheezing in young children: WAITing for pharmacogenomics?. <i>Lancet Respiratory Medicine</i> , 2014, 2, 776-777.	10.7	0
101	Novel childhood asthma genes interact with in utero and early-life tobacco smoke exposure. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 885-888.	2.9	47
102	Exposure to Beta-(1,3)-D-Glucan in House Dust at Age 7-10 Is Associated with Airway Hyperresponsiveness and Atopic Asthma by Age 11-14. <i>PLoS ONE</i> , 2014, 9, e98878.	2.5	37
103	Infant gut microbiota and the hygiene hypothesis of allergic disease: impact of household pets and siblings on microbiota composition and diversity. <i>Allergy, Asthma and Clinical Immunology</i> , 2013, 9, 15.	2.0	219
104	Depression Is More Common in Girls With Nonatopic Asthma. <i>Chest</i> , 2011, 140, 1138-1145.	0.8	28
105	Commentary on "Asthma and the Environment: Can Asthma Be Prevented?". <i>Evidence-Based Child Health: A Cochrane Review Journal</i> , 2010, 5, 1453-1455.	2.0	0
106	Primary asthma prevention: Is it possible?. <i>Current Allergy and Asthma Reports</i> , 2008, 8, 255-261.	5.3	8
107	Linear growth in prepubertal asthmatic children treated with montelukast, beclomethasone, or placebo: a 56-week randomized double-blind study. <i>Annals of Allergy, Asthma and Immunology</i> , 2006, 96, 800-807.	1.0	68
108	Primary Prevention of Allergy and Asthma Is Possible. <i>Clinical Reviews in Allergy and Immunology</i> , 2005, 28, 005-016.	6.5	11

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109	Canadian Pediatric Asthma Consensus Guidelines, 2003 (updated to December 2004): Introduction. Cmaj, 2005, 173, S12-S14.	2.0	105
110	Summary of recommendations from the Canadian Asthma Consensus guidelines, 2003. Cmaj, 2005, 173, S3-11.	2.0	52
111	Montelukast in asthmatic patients 6 yearsâ€“14 years old with an FEV1 > 75%. Current Medical Research and Opinion, 2004, 20, 1651-1659.	1.9	14
112	The Canadian asthma primary prevention study: outcomes at 2 years of age. Journal of Allergy and Clinical Immunology, 2004, 113, 650-656.	2.9	127
113	Primary prevention of asthma. Current Opinion in Pulmonary Medicine, 2002, 8, 16-24.	2.6	20
114	Challenges to treatment goals and outcomes in pediatric asthma. Journal of Allergy and Clinical Immunology, 2002, 109, S533-S538.	2.9	15
115	Controversies and challenges of exercise-induced bronchoconstriction and their implications for children. Pediatric Pulmonology, 2001, 32, 38-45.	2.0	27
116	Is primary prevention of asthma possible?. Pediatric Pulmonology, 2000, 30, 63-72.	2.0	18
117	Leukotriene receptor antagonists: Efficacy and safety in children with asthma. Pediatric Pulmonology, 2000, 30, 183-186.	2.0	18
118	Clinical Evidence with Montelukast in the Management of Chronic Childhood Asthma. Drugs, 2000, 59, 29-34.	10.9	20
119	1998 Revision of the Canadian Asthma Consensus Guidelines. Canadian Respiratory Journal, 1999, 6, 231-232.	1.6	11
120	Biochemical and Ultrastructural Studies Suggest that the Effects of Thapsigargin on Human Platelets Are Mediated by Changes in Intracellular Calcium but not by Intracellular Histamine. Thrombosis and Haemostasis, 1992, 68, 714-718.	3.4	2