Guicheng Brad Zhang

List of Publications by Year in descending order

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127 papers

3,963 citations

34 h-index 56 g-index

129 all docs

129 docs citations

times ranked

129

4975 citing authors

#	Article	IF	CITATIONS
1	Association between human rhinovirus C and severity of acute asthma in children. European Respiratory Journal, 2011, 37, 1037-1042.	6.7	325
2	Vitamin D and atopy and asthma phenotypes in children: a longitudinal cohort study. European Respiratory Journal, 2011, 38, 1320-1327.	6.7	166
3	Human Rhinovirus Species C Infection in Young Children with Acute Wheeze Is Associated with Increased Acute Respiratory Hospital Admissions. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1358-1364.	5.6	152
4	Cuffed vs. uncuffed tracheal tubes in children: a randomised controlled trial comparing leak, tidal volume and complications. Anaesthesia, 2018, 73, 160-168.	3.8	145
5	Cord Blood 25-Hydroxyvitamin D3 and Allergic Disease During Infancy. Pediatrics, 2012, 130, e1128-e1135.	2.1	129
6	Toward improved prediction of risk for atopy and asthma among preschoolers: A prospective cohort study. Journal of Allergy and Clinical Immunology, 2010, 125, 653-659.e7.	2.9	128
7	The association between ambient air pollution and selected adverse pregnancy outcomes in China: A systematic review. Science of the Total Environment, 2017, 579, 1179-1192.	8.0	105
8	Effect of Albuterol Premedication vs Placebo on the Occurrence of Respiratory Adverse Events in Children Undergoing Tonsillectomies. JAMA Pediatrics, 2019, 173, 527.	6.2	104
9	The effect of endotracheal tubes versus laryngeal mask airways on perioperative respiratory adverse events in infants: a randomised controlled trial. Lancet, The, 2017, 389, 701-708.	13.7	100
10	Vitamin D over the first decade and susceptibility to childhood allergy and asthma. Journal of Allergy and Clinical Immunology, 2017, 139, 472-481.e9.	2.9	76
11	Inhalational <i>versus</i> Intravenous Induction of Anesthesia in Children with a High Risk of Perioperative Respiratory Adverse Events. Anesthesiology, 2018, 128, 1065-1074.	2.5	76
12	Plasmacytoid dendritic cells during infancy are inversely associated with childhood respiratory tract infections and wheezing. Journal of Allergy and Clinical Immunology, 2009, 124, 707-713.e2.	2.9	69
13	Elucidation of asthma phenotypes in atopic teenagers through parallel immunophenotypic and clinical profiling. Journal of Allergy and Clinical Immunology, 2009, 124, 463-470.e16.	2.9	68
14	Acute Asthma in Children. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 617-622.	5.6	64
15	The gut microbiota, environmental factors, and links to the development of food allergy. Clinical and Molecular Allergy, 2020, 18, 5.	1.8	64
16	Associations between postnatal weight gain, change in postnatal pulmonary function, formula feeding and early asthma. Thorax, 2008, 63, 234-239.	5.6	63
17	Spacer inhalation technique and deposition of extrafine aerosol in asthmatic children. European Respiratory Journal, 2006, 29, 299-306.	6.7	62
18	Antimicrobial Protein and Peptide Concentrations and Activity in Human Breast Milk Consumed by Preterm Infants at Risk of Late-Onset Neonatal Sepsis. PLoS ONE, 2015, 10, e0117038.	2.5	62

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19	Interleukin-10/Interleukin-5 Responses at Birth Predict Risk for Respiratory Infections in Children with Atopic Family History. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 205-211.	5. 6	57
20	Investigations into the role of ST2 in acute asthma in children. Tissue Antigens, 2009, 73, 206-212.	1.0	52
21	Indoor environmental quality in a 'low allergen' school and three standard primary schools in Western Australia. Indoor Air, 2006, 16, 74-80.	4.3	50
22	Snoring in primary school children and domestic environment: A Perth school based study. Respiratory Research, 2004, 5, 19.	3.6	48
23	Antibacterial antibody responses associated with the development of asthma in house dust mite-sensitised and non-sensitised children. Thorax, 2012, 67, 321-327.	5.6	48
24	Phase 2 Study of Bortezomib Combined With Temozolomide and Regional Radiation Therapy for Upfront Treatment of Patients With Newly Diagnosed Glioblastoma Multiforme: Safety and Efficacy Assessment. International Journal of Radiation Oncology Biology Physics, 2018, 100, 1195-1203.	0.8	45
25	Opposite gene by environment interactions in Karelia for <i>CD14</i> and <i>CC16</i> single nucleotide polymorphisms and allergy. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1333-1341.	5.7	41
26	In UteroSmoke Exposure and Role of Maternal and Infant Glutathione S-Transferase Genes on Airway Responsiveness and Lung Function in Infancy. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 64-71.	5 . 6	41
27	Upper Airway Cell Transcriptomics Identify a Major New Immunological Phenotype with Strong Clinical Correlates in Young Children with Acute Wheezing. Journal of Immunology, 2019, 202, 1845-1858.	0.8	41
28	House dust microbiome and human health risks. International Microbiology, 2019, 22, 297-304.	2.4	41
29	Cellular and molecular mechanisms of vitamin D in food allergy. Journal of Cellular and Molecular Medicine, 2018, 22, 3270-3277.	3.6	40
30	Impact of genetic variants in IL-4, IL-4 RA and IL-13 on the anti-pneumococcal antibody response. Vaccine, 2007, 25, 306-313.	3.8	38
31	Comparison of rhinovirus antibody titers in children with asthma exacerbations and species-specific rhinovirus infection. Journal of Allergy and Clinical Immunology, 2014, 134, 25-32.e1.	2.9	38
32	Associations of the IL12B promoter polymorphism in longitudinal data from asthmatic patients 7 to 42 years of age. Journal of Allergy and Clinical Immunology, 2004, 113, 475-481.	2.9	37
33	Rhinovirus is the most common virus and rhinovirus-C is the most common species in paediatric intensive care respiratory admissions. European Respiratory Journal, 2018, 52, 1800207.	6.7	37
34	Interleukin-10 (IL-10) Polymorphisms Are Associated with IL-10 Production and Clinical Malaria in Young Children. Infection and Immunity, 2012, 80, 2316-2322.	2.2	36
35	Fire safety among the elderly in Western Australia. Fire Safety Journal, 2006, 41, 57-61.	3.1	35
36	Lung Deposition of ^{99m} Tc-Radiolabeled Albuterol Delivered through a Pressurized Metered Dose Inhaler and Spacer with Facemask or Mouthpiece in Children with Asthma. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2014, 27, S-63-S-75.	1.4	35

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37	Â2-Adrenoceptor polymorphisms and asthma phenotypes: interactions with passive smoking. European Respiratory Journal, 2007, 30, 48-55.	6.7	34
38	\hat{l}^2 2-Adrenoceptor Polymorphisms Predict Response to \hat{l}^2 2-Agonists in Children with Acute Asthma. Journal of Asthma, 2008, 45, 383-388.	1.7	34
39	Antiâ€bacterial IgE in the antibody responses of house dust mite allergic children convalescent from asthma exacerbation. Clinical and Experimental Allergy, 2009, 39, 1170-1178.	2.9	34
40	Clinical significance of circulating microRNAs as markers in detecting and predicting congenital heart defects in children. Journal of Translational Medicine, 2018, 16, 42.	4.4	34
41	Infant lung function predicts asthma persistence and remission in young adults. Respirology, 2017, 22, 289-294.	2.3	33
42	Aerosol Inhalation From Spacers and Valved Holding Chambers Requires Few Tidal Breaths for Children. Pediatrics, 2010, 126, e1493-e1498.	2.1	32
43	Dysfunctional Gut Microbiome Networks in Childhood IgE-Mediated Food Allergy. International Journal of Molecular Sciences, 2021, 22, 2079.	4.1	31
44	Haemophilus haemolyticus Interaction with Host Cells Is Different to Nontypeable Haemophilus influenzae and Prevents NTHi Association with Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2016, 6, 50.	3.9	29
45	Parental smoking impairs vaccine responses inÂchildren with atopic genotypes. Journal of Allergy and Clinical Immunology, 2007, 119, 366-374.	2.9	27
46	Deep or awake removal of laryngeal mask airway in children at risk of respiratory adverse events undergoing tonsillectomy—a randomised controlled trial. British Journal of Anaesthesia, 2018, 120, 571-580.	3.4	27
47	Prevalence of and Risk Factors for Human Rhinovirus Infection in Healthy Aboriginal and Non-Aboriginal Western Australian Children. Pediatric Infectious Disease Journal, 2012, 31, 673-679.	2.0	26
48	Toll-like receptor 7 and 8 polymorphisms: associations with functional effects and cellular and antibody responses to measles virus and vaccine. Immunogenetics, 2012, 64, 219-228.	2.4	26
49	Gender-specific effects of cytokine gene polymorphisms on childhood vaccine responses. Vaccine, 2008, 26, 3574-3579.	3.8	25
50	SLAM and DC-SIGN measles receptor polymorphisms and their impact on antibody and cytokine responses to measles vaccine. Vaccine, 2011, 29, 5407-5413.	3.8	25
51	Polymorphisms in key innate immune genes and their effects on measles vaccine responses and vaccine failure in children from Mozambique. Vaccine, 2012, 30, 6180-6185.	3.8	25
52	Does the relationship between IgE and the CD14 gene depend on ethnicity?. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 1411-1417.	5.7	24
53	Disparity of innate immunity–related gene effects on asthma and allergy on Karelia. Pediatric Allergy and Immunology, 2011, 22, 621-630.	2.6	24
54	lgG Responses to Pneumococcal and Haemophilus Influenzae Protein Antigens Are Not Impaired in Children with a History of Recurrent Acute Otitis Media. PLoS ONE, 2012, 7, e49061.	2.5	24

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55	Respiratory viruses in young South African children with acute lower respiratory infections and interactions with HIV. Journal of Clinical Virology, 2016, 81, 58-63.	3.1	24
56	Poractant alfa versus beractant for respiratory distress syndrome in preterm infants: A retrospective cohort study. Journal of Paediatrics and Child Health, 2013, 49, 839-844.	0.8	23
57	Association of haplotypes of \hat{l}^2 2-adrenoceptor polymorphisms with lung function and airway responsiveness in a pediatric cohort. Pediatric Pulmonology, 2006, 41, 1233-1241.	2.0	22
58	The era of genome-wide association studies: opportunities and challenges for asthma genetics. Journal of Human Genetics, 2009, 54, 624-628.	2.3	22
59	<i>CD46</i> Measles Virus Receptor Polymorphisms Influence Receptor Protein Expression and Primary Measles Vaccine Responses in Naive Australian Children. Vaccine Journal, 2012, 19, 704-710.	3.1	22
60	Symptomatic Viral Infection is Associated with Impaired Response to Treatment in Children with Acute Asthma. Journal of Pediatrics, 2012, 160, 82-87.	1.8	21
61	The role of GSTP1 polymorphisms and tobacco smoke exposure in children with acute asthma. Journal of Asthma, 2010, 47, 1049-1056.	1.7	20
62	Can polymorphisms in the fatty acid desaturase (FADS) gene cluster alter the effects of fish oil supplementation on plasma and erythrocyte fatty acid profiles? An exploratory study. European Journal of Nutrition, 2018, 57, 2583-2594.	3.9	20
63	Airway function in infancy is linked to airflow measurements and respiratory symptoms from childhood into adulthood. Pediatric Pulmonology, 2018, 53, 1082-1088.	2.0	20
64	TLR3 and RIG-I gene variants: Associations with functional effects on receptor expression and responses to measles virus and vaccine in vaccinated infants. Human Immunology, 2012, 73, 677-685.	2.4	19
65	Western oropharyngeal and gut microbial profiles are associated with allergic conditions in Chinese immigrant children. World Allergy Organization Journal, 2019, 12, 100051.	3.5	19
66	Neonatal protein kinase <scp>C</scp> zeta expression determines the neonatal <scp>T</scp> â€ <scp>C</scp> ell cytokine phenotype and predicts the development and severity of infant allergic disease. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 1511-1518.	5.7	18
67	Prevalence of allergic sensitization, hay fever, eczema, and asthma in a longitudinal birth cohort. Journal of Asthma and Allergy, 2018, Volume 11, 173-180.	3.4	18
68	Household hygiene practices in relation to dampness at home and current wheezing and rhino-conjunctivitis among school age children. Pediatric Allergy and Immunology, 2005, 16, 587-592.	2.6	17
69	Reference Values for Acoustic Rhinometry in Children from 4 to 13 Years Old. American Journal of Rhinology & Allergy, 2008, 22, 285-291.	2.2	16
70	Usefulness of parental response to questions about adherence to prescribed inhaled corticosteroids in young children. Archives of Disease in Childhood, 2012, 97, 1092-1096.	1.9	16
71	Leukotriene pathway polymorphisms are associated with altered cysteinyl leukotriene production in children with acute asthma. Prostaglandins Leukotrienes and Essential Fatty Acids, 2009, 81, 9-15.	2.2	15
72	Plasma advanced oxidative protein products are associated with anti-oxidative stress pathway genes and malaria in a longitudinal cohort. Malaria Journal, 2014, 13, 134.	2.3	15

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73	Premedication with salbutamol prior to surgery does not decrease the risk of perioperative respiratory adverse events in school-aged children. British Journal of Anaesthesia, 2017, 119, 150-157.	3.4	15
74	Anti-infective proteins in breast milk and asthma-associated phenotypes during early childhood. Pediatric Allergy and Immunology, 2014, 25, n/a-n/a.	2.6	14
75	Rhinovirus species and clinical features in children hospitalised with pneumonia from Mozambique. Tropical Medicine and International Health, 2016, 21, 1171-1180.	2.3	14
76	Australian Aboriginal Children with Otitis Media Have Reduced Antibody Titers to Specific Nontypeable Haemophilus influenzae Vaccine Antigens. Vaccine Journal, 2017, 24, .	3.1	14
77	Modern urbanization has reshaped the bacterial microbiome profiles of house dust in domestic environments. World Allergy Organization Journal, 2020, 13, 100452.	3.5	13
78	Incentive device improves spacer technique but not clinical outcome in preschool children with asthma. Journal of Paediatrics and Child Health, 2012, 48, 52-56.	0.8	12
79	Rhinovirus C is associated with wheezing and rhinovirus A is associated with pneumonia in hospitalized children in Morocco. Journal of Medical Virology, 2017, 89, 582-588.	5.0	12
80	Associations of a novel IL4RA polymorphism, Ala57Thr, in Greenlander Inuit. Journal of Allergy and Clinical Immunology, 2006, 118, 627-634.	2.9	11
81	The importance of environment on respiratory genotype/phenotype relationships in the Inuit. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 229-237.	5.7	11
82	Validation of Methodology for Recording Breathing and Simulating Drug Delivery Through Spacers and Valved Holding Chambers. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2010, 23, 311-322.	1.4	11
83	The Implications of DNA Methylation on Food Allergy. International Archives of Allergy and Immunology, 2017, 173, 183-192.	2.1	11
84	Glutathione <i>S</i> -Transferase Genotype Protects against <i>In Utero</i> Tobacco–linked Lung Function Deficits. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 462-470.	5.6	11
85	Maternal Genetic Variants of <i>IL4/IL13</i> Pathway Genes on IgE With "Western or Eastern Environments/Lifestyles". Allergy, Asthma and Immunology Research, 2014, 6, 350.	2.9	10
86	Prediction of periâ€operative adverse respiratory events in children: the role of exhaled nitric oxide. Anaesthesia, 2015, 70, 1160-1164.	3.8	10
87	Early sensitization is associated with reduced lung function from birth into adulthood. Journal of Allergy and Clinical Immunology, 2016, 137, 1605-1607.e2.	2.9	10
88	Environment Changes Genetic Effects on Respiratory Conditions and Allergic Phenotypes. Scientific Reports, 2017, 7, 6342.	3.3	10
89	Association between pro―nflammatory alleles and allergic phenotypes in Xhosa adolescents. Pediatric Allergy and Immunology, 2018, 29, 311-317.	2.6	10
90	Bacterial Community Specification in PM2.5 in Different Seasons in Xinxiang, Central China. Aerosol and Air Quality Research, 2019, 19, 1355-1364.	2.1	10

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91	Evaluation of health-related quality of life in adults with and without dyslipidaemia in rural areas of central China. Quality of Life Research, 2020, 29, 925-939.	3.1	10
92	Biological Monitoring of Cadmium Exposed Workers in a Nickelâ€Cadmium Battery Factory in China. Journal of Occupational Health, 2002, 44, 15-21.	2.1	8
93	Protecting Older People From Burglary: Prevalence of Security Devices in the Homes of Older Adults in Perth, Western Australia. Journal of Housing for the Elderly, 2008, 22, 335-347.	0.7	8
94	Western environment/lifestyle is associated with increased genome methylation and decreased gene expression in <scp>C</scp> hinese immigrants living in <scp>A</scp> ustralia. Environmental and Molecular Mutagenesis, 2016, 57, 65-73.	2.2	8
95	No simple answers for the Finnish and Russian Karelia allergy contrast: Methylation of <i><scp>CD</scp>14</i> gene. Pediatric Allergy and Immunology, 2016, 27, 721-727.	2.6	8
96	No evidence for impaired humoral immunity to pneumococcal proteins in Australian Aboriginal children with otitis media. International Journal of Pediatric Otorhinolaryngology, 2017, 92, 119-125.	1.0	8
97	Influence of weather on incidence of bronchiolitis in Australia and New Zealand. Journal of Paediatrics and Child Health, 2017, 53, 1000-1006.	0.8	8
98	The Western environment reduces innate immune cytokine production in Chinese immigrants. Journal of Allergy and Clinical Immunology, 2018, 141, 1504-1507.e3.	2.9	8
99	Children with nut allergies have impaired gene expression of Tollâ€like receptors pathway. Pediatric Allergy and Immunology, 2020, 31, 671-677.	2.6	8
100	Recurrent Rhinovirus Detections in Children Following a Rhinovirus-Induced Wheezing Exacerbation: A Retrospective StudyÂ. International Journal of Pediatrics and Child Health, 2015, 3, 10-18.	0.1	8
101	A marked shift in innate and adaptive immune response in chinese immigrants living in a western environment. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 2092-2094.	5.7	7
102	Risk factors and prognosis of recurrent wheezing in Chinese young children: a prospective cohort study. Allergy, Asthma and Clinical Immunology, 2019, 15, 38.	2.0	7
103	Linking the westernised oropharyngeal microbiome to the immune response in Chinese immigrants. Allergy, Asthma and Clinical Immunology, 2020, 16, 67.	2.0	7
104	Otitis-Prone Children Produce Functional Antibodies to Pneumolysin and Pneumococcal Polysaccharides. Vaccine Journal, 2017, 24, .	3.1	6
105	Genetic Variants in the IL-4/IL-13 Pathway Influence Measles Vaccine Responses and Vaccine Failure in Children from Mozambique. Viral Immunology, 2017, 30, 472-478.	1.3	6
106	Regulatory role of IL10 genetic variations in determining allergen-induced TH2 cytokine responses in children. Journal of Allergy and Clinical Immunology, 2011, 128, 237-239.e8.	2.9	5
107	Genetic polymorphism of <i><scp>KIR2DL4</scp></i> (<scp>CD158d</scp>), a putative <scp>NK</scp> cell receptor for <scp>HLA</scp> â€G, does not influence susceptibility to asthma. Tissue Antigens, 2013, 82, 276-279.	1.0	5
108	Serum ferritin and nutritional status: insights from an eating disorders clinic population. Archives of Disease in Childhood, 2014, 99, 221-224.	1.9	5

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109	Dual responses of CD14 methylation to distinct environments: a role in asthma and allergy. European Respiratory Journal, 2017, 50, 1701228.	6.7	5
110	Defining Age-specific Relationships of Respiratory Syncytial Virus and Rhinovirus Species in Hospitalized Children With Acute Wheeze. Pediatric Infectious Disease Journal, 2021, 40, 873-879.	2.0	5
111	Identifying gene network patterns and associated cellular immune responses in children with or without nut allergy. World Allergy Organization Journal, 2022, 15, 100631.	3.5	5
112	In VitroValidation of 99mTc-HFA-FP Delivered via pMDI-Spacer. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2006, 19, 254-260.	1.2	4
113	Exposure to Airborne Mould in School Environments and Nasal Patency in Children. Indoor and Built Environment, 2013, 22, 608-617.	2.8	4
114	Topical Lidocaine Does Not Exaggerate Laryngomalacia in Infants During Flexible Bronchoscopy Under Propofol Anesthesia. Journal of Bronchology and Interventional Pulmonology, 2016, 23, 215-219.	1.4	4
115	Health-related quality of life and determinants in North-China urban community residents. Health and Quality of Life Outcomes, 2020, 18, 280.	2.4	4
116	Ever Eczema and Itchy Rash in Relation to Domestic Environments in Primary School Children. Indoor and Built Environment, 2006, 15, 535-541.	2.8	3
117	Findings in genomeâ€wide association studies on asthma lack generalisation. Clinical Respiratory Journal, 2010, 4, e8-9.	1.6	2
118	PCR screening of antimicrobial resistance genes in faecal samples from Australian and Chinese children. Journal of Global Antimicrobial Resistance, 2018, 14, 178-181.	2.2	2
119	Cord Blood IL-12 Confers Protection to Clinical Malaria in Early Childhood Life. Scientific Reports, 2018, 8, 10860.	3.3	2
120	Tollâ€like receptor signalling has inverted Uâ€shaped response over time with the Western environment. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2665-2667.	5.7	2
121	In Reply. Anesthesiology, 2019, 130, 511-513.	2.5	1
122	Increased nasal Streptococcus pneumoniae presence in Western environment associated with allergic conditions in Chinese immigrants. International Journal of Hygiene and Environmental Health, 2021, 234, 113735.	4.3	1
123	The impact of cytokine levels in young South African children with and without HIVâ€associated acute lower respiratory infections. Journal of Medical Virology, 2021, 93, 3647-3655.	5.0	1
124	Biological Monitoring of Cadmium Exposed Workers in a Nickel-Cadmium Battery Factory in China. Sangyo Eiseigaku Zasshi = Journal of Occupational Health, 2002, 44, A1.	0.2	0
125	From Paul's predictions in the World Cup to the publication bias in genetic studies on complex traits. European Respiratory Journal, 2010, 36, 1218-1219.	6.7	0
126	Impact of <i><scp>CD14</scp></i> promoter variants on measles vaccine responses and vaccine failure in children from Australia and Mozambique. Tissue Antigens, 2013, 82, 420-422.	1.0	0

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127	Th2 Cytokine Levels Distort the Association of IL-10 and IFN- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>γ</mml:mi></mml:math> with Allergic Phenotypes. ISRN Allergy, 2011, 2011, 1-6.	3.1	O