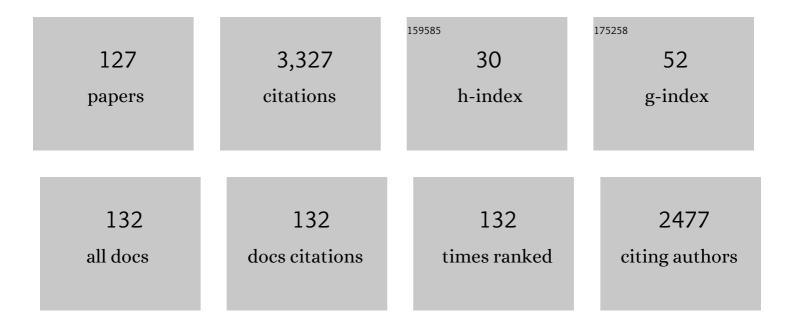
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	<i>Bordetella pertussis</i> Strains with Increased Toxin Production Associated with Pertussis Resurgence. Emerging Infectious Diseases, 2009, 15, 1206-1213.	4.3	303
2	Global Population Structure and Evolution of Bordetella pertussis and Their Relationship with Vaccination. MBio, 2014, 5, e01074.	4.1	257
3	Variation in the <i>Bordetella pertussis</i> Virulence Factors Pertussis Toxin and Pertactin in Vaccine Strains and Clinical Isolates in Finland. Infection and Immunity, 1999, 67, 3133-3134.	2.2	111
4	Antibiotic-Induced Disruption of Gut Microbiota Alters Local Metabolomes and Immune Responses. Frontiers in Cellular and Infection Microbiology, 2019, 9, 99.	3.9	109
5	Pertussis Prevention: Reasons for Resurgence, and Differences in the Current Acellular Pertussis Vaccines. Frontiers in Immunology, 2019, 10, 1344.	4.8	105
6	Decennial Administration of a Reduced Antigen Content Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine in Young Adults. Clinical Infectious Diseases, 2010, 51, 656-662.	5.8	91
7	Immunity to Pertussis 5 Years after Booster Immunization during Adolescence. Clinical Infectious Diseases, 2007, 44, 1271-1277.	5.8	85
8	Strain Variation among Bordetella pertussis Isolates in Finland, Where the Whole-Cell Pertussis Vaccine Has Been Used for 50 Years. Journal of Clinical Microbiology, 2005, 43, 3681-3687.	3.9	84
9	Seroprevalence studies of pertussis: what have we learned from different immunized populations. Pathogens and Disease, 2015, 73, ftv050.	2.0	81
10	Appearance of Bordetella pertussis Strains Not Expressing the Vaccine Antigen Pertactin in Finland. Vaccine Journal, 2012, 19, 1703-1704.	3.1	78
11	Bordetella pertussisProtein Pertactin Induces Typeâ€6pecific Antibodies: One Possible Explanation for the Emergence of Antigenic Variants?. Journal of Infectious Diseases, 2003, 187, 1200-1205.	4.0	72
12	<i>Bordetella pertussis</i> strain variation and evolution postvaccination. Expert Review of Vaccines, 2009, 8, 863-875.	4.4	67
13	PERISCOPE: road towards effective control of pertussis. Lancet Infectious Diseases, The, 2019, 19, e179-e186.	9.1	67
14	Bordetella pertussis Infection Is Common in Nonvaccinated Infants Admitted for Bronchiolitis. Pediatric Infectious Disease Journal, 2010, 29, 1013-1015.	2.0	66
15	Pertactin-deficient Bordetella pertussis isolates: evidence of increased circulation in Europe, 1998 to 2015. Eurosurveillance, 2019, 24, .	7.0	59
16	Nasopharyngeal Bacterial Colonization and Gene Polymorphisms of Mannose-Binding Lectin and Toll-Like Receptors 2 and 4 in Infants. PLoS ONE, 2011, 6, e26198.	2,5	59
17	The seroepidemiology of Immunoglobulin G antibodies against pertussis toxin in China: a cross sectional study. BMC Infectious Diseases, 2012, 12, 138.	2.9	55
18	Pulsed-field gel electrophoresis analysis of Bordetella pertussis populations in various European countries with different vaccine policies. Microbes and Infection, 2005, 7, 976-982.	1.9	52

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19	Immune persistence after pertussis vaccination. Human Vaccines and Immunotherapeutics, 2017, 13, 744-756.	3.3	52
20	Cell-mediated immune responses to antigens of Bordetella pertussis and protection against pertussis in school children. Pediatric Infectious Disease Journal, 1999, 18, 366-370.	2.0	51
21	Pertussis-Specific Cell-Mediated and Humoral Immunity in Adolescents 3 Years after Booster Immunization with Acellular Pertussis Vaccine. Clinical Infectious Diseases, 2004, 39, 179-185.	5.8	50
22	Bordetella pertussis infection is common in nonvaccinated infants admitted for bronchiolitis. Pediatric Infectious Disease Journal, 2010, 29, 1013-5.	2.0	50
23	Prevalence of asymptomatic Bordetella pertussis and Bordetella parapertussis infections among school children in China as determined by pooled real-time PCR: A cross-sectional study. Scandinavian Journal of Infectious Diseases, 2014, 46, 280-287.	1.5	44
24	Whole-genome sequencing reveals the effect of vaccination on the evolution of Bordetella pertussis. Scientific Reports, 2015, 5, 12888.	3.3	44
25	Pertussis before and after the introduction of acellular pertussis vaccines in Finland. Vaccine, 2009, 27, 5443-5449.	3.8	41
26	Differences in avidity of IgG antibodies to pertussis toxin after acellular pertussis booster vaccination and natural infection. Vaccine, 2012, 30, 6897-6902.	3.8	41
27	Acquisition and Transmission of <i>Streptococcus pneumoniae</i> Are Facilitated during Rhinovirus Infection in Families with Children. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1172-1180.	5.6	39
28	Pulsed-Field Gel Electrophoresis Analysis of Bordetella pertussis Isolates Circulating in Europe from 1998 to 2009. Journal of Clinical Microbiology, 2013, 51, 422-428.	3.9	37
29	Airway microbiome, host immune response and recurrent wheezing in infants with severe respiratory syncytial virus bronchiolitis. Pediatric Allergy and Immunology, 2020, 31, 281-289.	2.6	35
30	The Association of Genetic Variants in Toll-like Receptor 2 Subfamily With Allergy and Asthma After Hospitalization for Bronchiolitis in Infancy. Pediatric Infectious Disease Journal, 2014, 33, 463-466.	2.0	32
31	Bordetella pertussis Isolates in Finland: Serotype and Fimbrial Expression. BMC Microbiology, 2008, 8, 162.	3.3	31
32	<i>Bordetella pertussis</i> , Finland and France. Emerging Infectious Diseases, 2006, 12, 987-989.	4.3	30
33	Longitudinal Changes in Early Nasal Microbiota and the Risk of Childhood Asthma. Pediatrics, 2020, 146, .	2.1	29
34	Circulation of pertussis and poor protection against diphtheria among middle-aged adults in 18 European countries. Nature Communications, 2021, 12, 2871.	12.8	29
35	Effect of Vaccination on <i>Bordetella pertussis</i> Strains, China. Emerging Infectious Diseases, 2010, 16, 1695-1701.	4.3	28
36	IL-17A gene polymorphism rs2275913 is associated with the development of asthma after bronchiolitis in infancy. Allergology International, 2018, 67, 109-113.	3.3	28

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37	Seroprevalence of pertussis among adults in China where whole cell vaccines have been used for 50 years. Journal of Infection, 2016, 73, 38-44.	3.3	27
38	Surveillance of Circulating Bordetella pertussis Strains in Europe during 1998 to 2015. Journal of Clinical Microbiology, 2018, 56, .	3.9	26
39	Pertussis Outbreak in a Primary School in China. Pediatric Infectious Disease Journal, 2018, 37, e145-e148.	2.0	26
40	Toll-like Receptor 3 L412F Polymorphisms in Infants With Bronchiolitis and Postbronchiolitis Wheezing. Pediatric Infectious Disease Journal, 2012, 31, 920-923.	2.0	25
41	Seroprevalence of antibodies to pertussis and diphtheria among healthy adults in China. Journal of Infection, 2011, 63, 441-446.	3.3	24
42	Global spatial dynamics and vaccine-induced fitness changes of <i>Bordetella pertussis</i> . Science Translational Medicine, 2022, 14, eabn3253.	12.4	22
43	EUVAC.NET collaborative study: Evaluation and standardisation of serology for diagnosis of pertussis. Journal of Immunological Methods, 2011, 372, 137-145.	1.4	21
44	Toll like receptor7 polymorphisms in relation to disease susceptibility and progression in Chinese patients with chronic HBV infection. Scientific Reports, 2017, 7, 12417.	3.3	21
45	Severity of enterovirus A71 infection in a human SCARB2 knock-in mouse model is dependent on infectious strain and route. Emerging Microbes and Infections, 2018, 7, 1-13.	6.5	21
46	Molecular Epidemiology of Bordetella pertussis. Advances in Experimental Medicine and Biology, 2019, 1183, 19-33.	1.6	21
47	Infantile Pertussis Rediscovered in China. Emerging Infectious Diseases, 2002, 8, 859-861.	4.3	20
48	Tollâ€like receptor 2 subfamily gene polymorphisms are associated with <i>Bacillus Calmetteâ€Guérin</i> osteitis following newborn vaccination. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, 485-490.	1.5	20
49	Polymorphism in the gene encoding toll-like receptor 10 may be associated with asthma after bronchiolitis. Scientific Reports, 2017, 7, 2956.	3.3	20
50	The Gene Polymorphism of IL-17 G-152A is Associated with Increased Colonization of Streptococcus pneumoniae in Young Finnish Children. Pediatric Infectious Disease Journal, 2015, 34, 928-932.	2.0	18
51	Gene Polymorphism of Toll-Like Receptors and Lung Function at Five to Seven Years of Age after Infant Bronchiolitis. PLoS ONE, 2016, 11, e0146526.	2.5	18
52	Responses to an acellular pertussis booster vaccination in children, adolescents, and young and older adults: A collaborative study in Finland, the Netherlands, and the United Kingdom. EBioMedicine, 2021, 65, 103247.	6.1	18
53	Gene Polymorphism in Toll-like Receptor 4: Effect on Antibody Production and Persistence After Acellular Pertussis Vaccination During Adolescence. Journal of Infectious Diseases, 2012, 205, 1214-1219.	4.0	17
54	A rapid lateral flow immunoassay for serological diagnosis of pertussis. Vaccine, 2018, 36, 1429-1434.	3.8	17

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55	Direct Detection of Erythromycin-Resistant Bordetella pertussis in Clinical Specimens by PCR. Journal of Clinical Microbiology, 2015, 53, 3418-3422.	3.9	16
56	Post-bronchiolitis wheezing is associated with toll-like receptor 9 rs187084 gene polymorphism. Scientific Reports, 2016, 6, 31165.	3.3	16
57	Rapid Typing of Bordetella pertussis Pertussis Toxin Gene Variants by LightCycler Real-Time PCR and Fluorescence Resonance Energy Transfer Hybridization Probe Melting Curve Analysis. Journal of Clinical Microbiology, 2002, 40, 2213-2216.	3.9	14
58	Polymorphisms of toll-like receptors 2 and 9 and severity and prognosis of bacterial meningitis in Chinese children. Scientific Reports, 2017, 7, 42796.	3.3	14
59	Rapid detection of functional gene polymorphisms of TLRs and IL-17 using high resolution melting analysis. Scientific Reports, 2017, 7, 41522.	3.3	14
60	<i>Tollâ€like receptor 1</i> and <i>10</i> gene polymorphisms are linked toÂpostbronchiolitis asthma in adolescence. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 134-139.	1.5	14
61	Antimicrobial susceptibility testing of Finnish Bordetella pertussis isolates collected during 2006–2017. Journal of Global Antimicrobial Resistance, 2018, 14, 12-16.	2.2	12
62	Dysbiosis of Gut Microbiota Promotes Hepatocellular Carcinoma Progression by Regulating the Immune Response. Journal of Immunology Research, 2021, 2021, 1-13.	2.2	12
63	Pertussis specific cell-mediated immune responses ten years after acellular pertussis booster vaccination in young adults. Vaccine, 2016, 34, 341-349.	3.8	11
64	Haplotype of the Interleukin 17A gene is associated with osteitis after Bacillus Calmette-Guerin vaccination. Scientific Reports, 2017, 7, 11691.	3.3	11
65	Association of MBL2, TLR1, TLR2 and TLR6 Polymorphisms With Production of IFN-Î ³ and IL-12 in BCG Osteitis Survivors R1. Pediatric Infectious Disease Journal, 2017, 36, 135-139.	2.0	11
66	PFGE and pertactin gene sequencing suggest limited genetic variability within the Finnish Bordetella parapertussis population. Journal of Medical Microbiology, 2003, 52, 1059-1063.	1.8	10
67	Interferon-gamma-dependent Immunity in Bacillus Calmette-Guérin Vaccine Osteitis Survivors. Pediatric Infectious Disease Journal, 2016, 35, 690-694.	2.0	10
68	Increased susceptibility to pertussis in adults at childbearing age as determined by comparative seroprevalence study, China 2010–2016. Journal of Infection, 2019, 79, 1-6.	3.3	10
69	TLR4 Polymorphism, Nasopharyngeal Bacterial Colonization, and the Development of Childhood Asthma: A Prospective Birth-Cohort Study in Finnish Children. Genes, 2020, 11, 768.	2.4	10
70	Seroprevalence of Pertussis in Adults at Childbearing Age Pre- and Post- COVID-19 in Beijing, China. Vaccines, 2022, 10, 872.	4.4	10
71	Bordetella pertussis vaccine strains and circulating isolates in Serbia. Vaccine, 2010, 28, 1188-1192.	3.8	9
72	<i>Interleukin 17A</i> gene polymorphism rs2275913 is associated with osteitis after the Bacillus Calmetteâ€Guérin vaccination. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1837-1841.	1.5	9

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73	Alteration in Oral Microbiome Among Men Who Have Sex With Men With Acute and Chronic HIV Infection on Antiretroviral Therapy. Frontiers in Cellular and Infection Microbiology, 2021, 11, 695515.	3.9	9
74	Evaluation of Anti-PT Antibody Response after Pertussis Vaccination and Infection: The Importance of Both Quantity and Quality. Toxins, 2021, 13, 508.	3.4	9
75	Improvement in serological diagnosis of pertussis by external quality assessment. Journal of Medical Microbiology, 2019, 68, 741-747.	1.8	9
76	IL-10 Gene Polymorphisms Are Associated with Post-Bronchiolitis Lung Function Abnormalities at Six Years of Age. PLoS ONE, 2015, 10, e0140799.	2.5	9
77	A rapid ELISA-based method for screening Bordetella pertussis strain production of antigens included in current acellular pertussis vaccines. Journal of Immunological Methods, 2014, 408, 142-148.	1.4	8
78	<i>Bordetella pertussis</i> Isolates Circulating in China Where Whole Cell Vaccines Have Been Used for 50 Years: Table 1 Clinical Infectious Diseases, 2015, 61, 1028-1029.	5.8	8
79	<i>Tollâ€like receptor 4</i> polymorphisms were associated with low serum proâ€inflammatory cytokines in BCG osteitis survivors. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 1417-1422.	1.5	8
80	Effects of TLR7 Polymorphisms on the Susceptibility and Progression of HIV-1 Infection in Chinese MSM Population. Frontiers in Immunology, 2020, 11, 589010.	4.8	8
81	IL33 rs1342326 gene variation is associated with allergic rhinitis at school age after infant bronchiolitis. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 2112-2116.	1.5	8
82	Interleukinâ€10 gene polymorphism rs1800896 is associated with postâ€bronchiolitis asthma at 11–13Âyears of age. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 2064-2069.	1.5	7
83	Serum metabolomic profiling reveals important difference between infants with and without subsequent recurrent wheezing in later childhood after RSV bronchiolitis. Apmis, 2021, 129, 128-137.	2.0	7
84	Pertussis seroprevalence among adults of reproductive age (20–39 years) in fourteen European countries. Apmis, 2021, 129, 556-565.	2.0	7
85	Memory B Cell Activation Induced by Pertussis Booster Vaccination in Four Age Groups of Three Countries. Frontiers in Immunology, 2022, 13, .	4.8	7
86	Effects of Rhinovirus Infection on Nasopharyngeal Bacterial Colonization in Infants With Wild or Variant Types of Mannose-Binding Lectin and Toll-Like Receptors 3 and 4. Journal of the Pediatric Infectious Diseases Society, 2013, 2, 240-247.	1.3	6
87	Where macrolide resistance is prevalent. Apmis, 2015, 123, 361-363.	2.0	6
88	Polymorphism of IL-10 gene promoter region: association with T cell proliferative responses after acellular pertussis vaccination in adults. Immunogenetics, 2016, 68, 733-741.	2.4	6
89	Polymorphism of <scp>TLR</scp> 5 rs5744174 is associated with disease progression in Chinese patients with chronic <scp>HBV</scp> infection. Apmis, 2017, 125, 708-716.	2.0	6
90	Differences in epitopeâ€specific antibodies to pertussis toxin after infection and acellular vaccinations. Clinical and Translational Immunology, 2020, 9, e1161.	3.8	6

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91	Association of tollâ€like receptor 10 polymorphisms with pediatric pneumococcal meningitis. Apmis, 2020, 128, 335-342.	2.0	6
92	Determination of serum neutralizing antibodies reveals important difference in quality of antibodies against pertussis toxin in children after infection. Vaccine, 2021, 39, 1826-1830.	3.8	6
93	Pertussis toxin neutralizing antibody response after an acellular booster vaccination in Dutch and Finnish participants of different age groups. Emerging Microbes and Infections, 2022, 11, 956-963.	6.5	6
94	VariantMBL2genotypes producing low mannose-binding lectin may increase risk of Bacillus Calmette-Guerin osteitis in vaccinated newborns. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, n/a-n/a.	1.5	5
95	Lyme Borreliosis and Deficient Mannose-Binding Lectin Pathway of Complement. Journal of Immunology, 2015, 194, 358-363.	0.8	5
96	<i>TLR5</i> rs5744174 gene polymorphism is associated with the virus etiology of infant bronchiolitis but not with postâ€bronchiolitis asthma. Health Science Reports, 2018, 1, e38.	1.5	5
97	IL17F rs763780 single nucleotide polymorphism is associated with asthma after bronchiolitis in infancy. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 222-227.	1.5	5
98	Elimination of Salmonella enterica serotype Enteritidis in intestinal epithelial cells by mechanisms other than nitric oxide. Journal of Medical Microbiology, 2002, 51, 13-19.	1.8	5
99	<i><scp>IL</scp>17A</i> gene polymorphisms rs4711998 and rs8193036 are not associated with postbronchiolitis asthma in Finnish children. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 1290-1291.	1.5	4
100	High prevalence of currently circulating Bordetella pertussis isolates not producing vaccine antigen pertactin in Slovenia. Clinical Microbiology and Infection, 2019, 25, 258-260.	6.0	4
101	Tollâ€like receptor 10rs4129009 gene polymorphism is associated with postâ€bronchiolitis lung function in adolescence. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 1634-1641.	1.5	4
102	Gene Polymorphisms of TLR4 and TLR9 and Haemophilus influenzae Meningitis in Angolan Children. Genes, 2020, 11, 1099.	2.4	4
103	Interleukinâ€1 receptorâ€associated kinaseâ€4 gene variation may increase postâ€bronchiolitis asthma risk. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 952-958.	1.5	4
104	Seroprevalence Study of Pertussis in Adults at Childbearing Age and Young Infants Reveals the Necessity of Booster Immunizations in Adults in China. Vaccines, 2022, 10, 84.	4.4	4
105	Integrated Analysis of the Alterations in Gut Microbiota and Metabolites of Mice Induced After Long-Term Intervention With Different Antibiotics. Frontiers in Microbiology, 0, 13, .	3.5	4
106	Lack of Association between Mannose Binding Lectin and Antibody Responses after Acellular Pertussis Vaccinations. PLoS ONE, 2014, 9, e88919.	2.5	3
107	Evolution of Bordetella pertussis. Pediatric Infectious Disease Journal, 2016, 35, 915-917.	2.0	3
108	Interleukinâ€17 Receptor A gene polymorphism does not increase the risk of Bacillus Calmetteâ€Guérin osteitis. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 1889-1890.	1.5	3

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109	Genetic variations of toll-like receptors: Impact on susceptibility, severity and prognosis of bacterial meningitis. Infection, Genetics and Evolution, 2021, 93, 104984.	2.3	3
110	<i>Interleukin 1 receptorâ€like 1</i> rs13408661/13431828 polymorphism is associated with persistent postâ€bronchiolitis asthma at school age. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 628-635.	1.5	3
111	<i>>Tollâ€like receptor 1, 2</i> and <i>6</i> polymorphisms: no association with 11 serum cytokine concentrations. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 2217-2218.	1.5	2
112	Low Mannose Binding Lectin, but Not L-Ficolin, Is Associated With Spontaneous Clearance of Hepatitis C Virus After Infection. Frontiers in Immunology, 2020, 11, 587669.	4.8	2
113	Multiplex Point-of-Care Tests for the Determination of Antibodies after Acellular Pertussis Vaccination. Diagnostics, 2020, 10, 187.	2.6	2
114	Serum cytokine profile of pediatric patients with laboratory confirmed pneumococcal meningitis. Journal of Infection and Public Health, 2021, 14, 514-520.	4.1	2
115	Widespread circulation of pertussis in Finland during 1968–1972 when the whole cell vaccine was in use. Clinical Microbiology and Infection, 2021, 27, 1526-1528.	6.0	2
116	Risk factors for irreversible airway obstruction after infant bronchiolitis. Respiratory Medicine, 2021, 187, 106545.	2.9	2
117	Simultaneous Determination of Antibodies to Pertussis Toxin and Adenylate Cyclase Toxin Improves Serological Diagnosis of Pertussis. Diagnostics, 2021, 11, 180.	2.6	2
118	Can stored Mari <scp>POC</scp> test swabs be used for culture purpose?. Apmis, 2016, 124, 812-814.	2.0	1
119	Tollâ€like receptor 10 rs10004195 variation may be protective against Bacillus Calmetteâ€GuérinÂosteitis after newborn vaccination. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 1585-1590.	1.5	1
120	Gene polymorphisms of TLR10: effects on bacterial meningitis outcomes in Angolan children. Apmis, 2022, 130, 221-229.	2.0	1
121	Reply: Genetic findings depend on the context of the study. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 2118-2118.	1.5	0
122	Genetic variations in Tollâ€like receptors 4 or 7 were not linked to postâ€bronchiolitis lung function in adolescence. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 959-960.	1.5	0
123	Interleukin 17F polymorphisms showed no association with lung function at school age after infant bronchiolitis. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 219-221.	1.5	0
124	Interleukin 17F gene variations showed no association with BCG osteitis risk after newborn vaccination. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 618-623.	1.5	0
125	Variations of interleukinâ€1 receptorâ€associated kinaseâ€4 encoding gene were not associated with postâ€bronchiolitis lung function. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 1591-1593.	1.5	0
126	IL33 rs1342326 polymorphism, though associated with severe postâ€bronchiolitis asthma, showed no association with lung function. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2218-2220.	1.5	0

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127	Interleukin 17A gene variations and lung function at school age after bronchiolitis in infancy. Acta Paediatrica, International Journal of Paediatrics, 2020, , .	1.5	0