

Michael D Shields

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4212011/publications.pdf>

Version: 2024-02-01

81
papers

1,388
citations

394421

19
h-index

395702

33
g-index

81
all docs

81
docs citations

81
times ranked

2409
citing authors

#	ARTICLE	IF	CITATIONS
1	Early life inter-kingdom interactions shape the immunological environment of the airways. <i>Microbiome</i> , 2022, 10, 34.	11.1	16
2	Diagnostic value of mid-regional pro-Adrenomedullin as a biomarker of invasive bacterial infection in children: a systematic review. <i>BMC Pediatrics</i> , 2022, 22, 176.	1.7	4
3	How we teach children with asthma to use their inhaler: a scoping review. <i>Italian Journal of Pediatrics</i> , 2022, 48, 52.	2.6	3
4	History Taking as a Diagnostic Tool in Children With Chronic Cough. <i>Frontiers in Pediatrics</i> , 2022, 10, 850912.	1.9	4
5	Distinct airway epithelial immune responses after infection with SARS-CoV-2 compared to H1N1. <i>Mucosal Immunology</i> , 2022, 15, 952-963.	6.0	15
6	Use of oximetry to screen for paediatric obstructive sleep apnoea: is one night enough and is 6 hours too much?. <i>Archives of Disease in Childhood</i> , 2021, 106, 58-61.	1.9	9
7	Mobile video directly observed therapy can be used to improve at-home inhaler technique in children with asthma. <i>ERJ Open Research</i> , 2021, 7, 00463-2021.	2.6	3
8	586â€¦Puking less per pound, for acute wheezers: quality improvement in a paediatric emergency department. , 2021, , .		0
9	FACTORS ASSOCIATED WITH IMPROVED CLINICAL CONTROL IN A DIFFICULT-TO-TREAT PAEDIATRIC ASTHMA COHORT THROUGH THE COVID-19 PANDEMIC LOCKDOWN PERIOD. <i>Ulster Medical Journal</i> , 2021, 90, 122-123.	0.2	1
10	The impact of fetal umbilical artery Doppler pulsatility index on childhood respiratory function and atopy: a prospective case-control study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 707-711.	1.5	2
11	Fifteen-minute consultation: Symptoms and signs of meningococcal disease. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2020, 105, 200-203.	0.5	2
12	Comparative Therapeutic Potential of ALX-0171 and Palivizumab against Respiratory Syncytial Virus Clinical Isolate Infection of Well-Differentiated Primary Pediatric Bronchial Epithelial Cell Cultures. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	13
13	Diagnostic test accuracy of point-of-care procalcitonin to diagnose serious bacterial infections in children. <i>BMC Pediatrics</i> , 2020, 20, 487.	1.7	6
14	Exposure and attitudes to adolescent health amongst Paediatric trainees in Northern Ireland: a mixed-methods study. <i>BMJ Paediatrics Open</i> , 2020, 4, e000563.	1.4	0
15	Characteristics of Reported Pediatric Medication Errors in Northern Ireland and Use in Quality Improvement. <i>Paediatric Drugs</i> , 2020, 22, 551-560.	3.1	9
16	Respiratory syncytial virus prophylaxis for prevention of recurrent childhood wheeze and asthma: a systematic review. <i>Systematic Reviews</i> , 2020, 9, 269.	5.3	17
17	How we teach children with asthma to use their inhaler: a scoping review protocol. <i>Systematic Reviews</i> , 2020, 9, 178.	5.3	3
18	The ERS approach to e-cigarettes is entirely rational. <i>European Respiratory Journal</i> , 2020, 55, 2000413.	6.7	2

#	ARTICLE	IF	CITATIONS
19	Comparative primary paediatric nasal epithelial cell culture differentiation and RSV-induced cytopathogenesis following culture in two commercial media. PLoS ONE, 2020, 15, e0228229.	2.5	14
20	Loop-mediated isothermal amplification for the early diagnosis of invasive meningococcal disease in children. Archives of Disease in Childhood, 2020, 105, 1151-1156.	1.9	0
21	A protocol for a systematic review and meta-analysis of the diagnostic accuracy of mid-regional pro-adrenomedullin in predicting invasive bacterial infection in children. Systematic Reviews, 2020, 9, 69.	5.3	2
22	Title is missing!. , 2020, 15, e0228229.		0
23	Title is missing!. , 2020, 15, e0228229.		0
24	Title is missing!. , 2020, 15, e0228229.		0
25	Title is missing!. , 2020, 15, e0228229.		0
26	Airway Epithelial Derived Cytokines and Chemokines and Their Role in the Immune Response to Respiratory Syncytial Virus Infection. Pathogens, 2019, 8, 106.	2.8	48
27	Investigating the clinical use of structured light plethysmography to assess lung function in children with neuromuscular disorders. PLoS ONE, 2019, 14, e0221207.	2.5	8
28	The child with an incessant dry cough. Paediatric Respiratory Reviews, 2019, 30, 58-64.	1.8	9
29	A systematic review of the diagnostic accuracy of Loop-mediated-isothermal AMPlification (LAMP) in the diagnosis of invasive meningococcal disease in children. BMC Pediatrics, 2019, 19, 49.	1.7	8
30	What causes prescribing errors in children? Scoping review. BMJ Open, 2019, 9, e028680.	1.9	27
31	Parentsâ€™ and cliniciansâ€™ views on conducting paediatric diagnostic test accuracy studies without prior informed consent: qualitative insight from the Petechiae in Children study (PiC). Archives of Disease in Childhood, 2019, 104, 979-983.	1.9	7
32	Wet Cough and Nasal Symptoms in Children: Can We Do Better?. Frontiers in Pediatrics, 2019, 7, 459.	1.9	2
33	Respiratory Syncytial Virus and Asthma Inception: Cause and Effect, or Shared Susceptibility?. Journal of Infectious Diseases, 2019, 220, 547-549.	4.0	2
34	Comparative responses of paediatric airway epithelium to viral and allergen insult. Access Microbiology, 2019, 1, .	0.5	0
35	Identification of novel factors associated with severe respiratory syncytial virus disease in infants. Access Microbiology, 2019, 1, .	0.5	0
36	Pro-inflammatory mediator responses from neonatal airway epithelial cells and early childhood wheeze. Pediatric Pulmonology, 2018, 53, 10-16.	2.0	7

#	ARTICLE	IF	CITATIONS
37	Pulmonary epithelial barrier and immunological functions at birth and in early life - key determinants of the development of asthma? A description of the protocol for the Breathing Together study. Wellcome Open Research, 2018, 3, 60.	1.8	14
38	Point-of-care testing for procalcitonin in identifying bacterial infections in young infants: a diagnostic accuracy study. BMC Pediatrics, 2018, 18, 387.	1.7	14
39	Characterisation of morphological differences in well-differentiated nasal epithelial cell cultures from preterm and term infants at birth and one-year. PLoS ONE, 2018, 13, e0201328.	2.5	14
40	The "Petechiae in children" (PIC) study: evaluating potential clinical decision rules for the management of feverish children with non-blanching rashes, including the role of point of care testing for Procalcitonin & Neisseria meningitidis DNA " a study protocol. BMC Pediatrics, 2018, 18, 246.	1.7	8
41	A protocol for a systematic review of the diagnostic accuracy of Loop-mediated-isothermal AMPLification (LAMP) in diagnosis of invasive meningococcal disease in children. Systematic Reviews, 2018, 7, 86.	5.3	8
42	Mobile direct observation of therapy (MDOT) - A rapid systematic review and pilot study in children with asthma. PLoS ONE, 2018, 13, e0190031.	2.5	51
43	Interventions to prevent and treat corticosteroid-induced osteoporosis and prevent osteoporotic fractures in Duchenne muscular dystrophy. The Cochrane Library, 2017, 2017, CD010899.	2.8	37
44	Is follow up chest X-ray required in children with round pneumonia?. Archives of Disease in Childhood, 2017, 102, 1182-1183.	1.9	4
45	Azithromycin for episodes with asthma-like symptoms in young children aged 1-3 years. Archives of Disease in Childhood: Education and Practice Edition, 2017, 102, 336.1-336.	0.5	0
46	Loop-mediated isothermal amplification assay for rapid detection of Streptococcus agalactiae (group) Tj ETQq0 0 0 rgBT /Overlock 10 T 66, 294-300.	1.8	21
47	The impact of financial incentives on the implementation of asthma or diabetes self-management: A systematic review. PLoS ONE, 2017, 12, e0187478.	2.5	11
48	How evidenced based and up to date are our cough guidelines?. Annals of Translational Medicine, 2017, 5, 149-149.	1.7	0
49	EGFR Interacts with the Fusion Protein of Respiratory Syncytial Virus Strain 2-20 and Mediates Infection and Mucin Expression. PLoS Pathogens, 2016, 12, e1005622.	4.7	59
50	Fetal umbilical artery Doppler pulsatility index and childhood neurocognitive outcome at 12-...years. BMJ Open, 2016, 6, e008916.	1.9	11
51	In Vitro Modeling of RSV Infection and Cytopathogenesis in Well-Differentiated Human Primary Airway Epithelial Cells (WD-PAECs). Methods in Molecular Biology, 2016, 1442, 119-139.	0.9	21
52	Exhaled breath temperature measurement and asthma control in children prescribed inhaled corticosteroids: A cross sectional study. Pediatric Pulmonology, 2016, 51, 13-21.	2.0	13
53	A comparison of different pre-lysis methods and extraction kits for recovery of Streptococcus agalacticae (Lancefield group B Streptococcus) DNA from whole blood. Journal of Microbiological Methods, 2016, 129, 103-108.	1.6	11
54	The epidemiology, healthcare and societal burden and costs of asthma in the UK and its member nations: analyses of standalone and linked national databases. BMC Medicine, 2016, 14, 113.	5.5	193

#	ARTICLE	IF	CITATIONS
55	Genomic Meningococcal Load in the Nasopharynx of Children with Meningococcal Disease. <i>Pediatric Infectious Disease Journal</i> , 2016, 35, 577-579.	2.0	0
56	Respiratory syncytial virus, an ongoing medical dilemma: an expert commentary on respiratory syncytial virus prophylactic and therapeutic pharmaceuticals currently in clinical trials. <i>Influenza and Other Respiratory Viruses</i> , 2015, 9, 169-178.	3.4	50
57	Challenges of harmonising data from UK national health surveys: a case study of attempts to estimate the UK prevalence of asthma. <i>Journal of the Royal Society of Medicine</i> , 2015, 108, 433-439.	2.0	6
58	Susceptibility to Invasive Meningococcal Disease: Polymorphism of Complement System Genes and <i>Neisseria meningitidis</i> Factor H Binding Protein. <i>PLoS ONE</i> , 2015, 10, e0120757.	2.5	15
59	Clinical and Cost-Effectiveness of Procalcitonin Test for Prodromal Meningococcal Disease—A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0128993.	2.5	15
60	Epidermal Growth Factor Removal or Tyrphostin AG1478 Treatment Reduces Goblet Cells & Mucus Secretion of Epithelial Cells from Asthmatic Children Using the Air-Liquid Interface Model. <i>PLoS ONE</i> , 2015, 10, e0129546.	2.5	5
61	Performance of a Novel Molecular Method in the Diagnosis of Late-Onset Sepsis in Very Low Birth Weight Infants. <i>PLoS ONE</i> , 2015, 10, e0136472.	2.5	1
62	Adherence to treatment in children and adolescents with cystic fibrosis: a cross-sectional, multi-method study investigating the influence of beliefs about treatment and parental depressive symptoms. <i>BMC Pulmonary Medicine</i> , 2015, 15, 43.	2.0	56
63	Diagnostic accuracy of loop-mediated isothermal amplification as a near-patient test for meningococcal disease in children: an observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 552-558.	9.1	29
64	Induction and Antagonism of Antiviral Responses in Respiratory Syncytial Virus-Infected Pediatric Airway Epithelium. <i>Journal of Virology</i> , 2015, 89, 12309-12318.	3.4	42
65	Nasal Epithelial Cells Can Act as a Physiological Surrogate for Paediatric Asthma Studies. <i>PLoS ONE</i> , 2014, 9, e85802.	2.5	38
66	Estimating the incidence, prevalence and true cost of asthma in the UK: secondary analysis of national stand-alone and linked databases in England, Northern Ireland, Scotland and Wales—a study protocol. <i>BMJ Open</i> , 2014, 4, e006647.	1.9	27
67	The difficult coughing child: prolonged acute cough in children. <i>Cough</i> , 2013, 9, 11.	2.7	33
68	Chronic cough in children. <i>Paediatric Respiratory Reviews</i> , 2013, 14, 100-106.	1.8	30
69	Relative Respiratory Syncytial Virus Cytopathogenesis in Upper and Lower Respiratory Tract Epithelium. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 842-851.	5.6	68
70	Can Certain Genotypes Predispose to Poor Asthma Control in Children? A Pharmacogenetic Study of 9 Candidate Genes in Children with Difficult Asthma. <i>PLoS ONE</i> , 2013, 8, e60592.	2.5	12
71	IL-31 does not induce normal human ciliated epithelial cells to differentiate into a phenotype consistent with the pathophysiology of asthma. <i>Results in Immunology</i> , 2012, 2, 104-111.	2.2	5
72	Comparative repeatability of two handheld fractional exhaled nitric oxide monitors. <i>Pediatric Pulmonology</i> , 2012, 47, 546-550.	2.0	29

#	ARTICLE	IF	CITATIONS
73	Development and clinical validation of a loop-mediated isothermal amplification method for the rapid detection of Neisseria meningitidis. Diagnostic Microbiology and Infectious Disease, 2011, 69, 137-144.	1.8	43
74	Effects of IL-13 on Mucociliary Differentiation of Pediatric Asthmatic Bronchial Epithelial Cells. Pediatric Research, 2011, 69, 95-100.	2.3	35
75	Bronchiolitis. Clinical Evidence, 2011, 2011, .	0.2	2
76	A 3-D Well-Differentiated Model of Pediatric Bronchial Epithelium Demonstrates Unstimulated Morphological Differences Between Asthmatic and Nonasthmatic Cells. Pediatric Research, 2010, 67, 17-22.	2.3	60
77	Peanut allergy and allergic airways inflammation. Pediatric Allergy and Immunology, 2010, 21, 1107-1113.	2.6	16
78	Rapid diagnosis of meningococcal disease. Expert Review of Anti-Infective Therapy, 2010, 8, 1321-1323.	4.4	8
79	Respiratory viruses do not trigger meningococcal disease in children. Journal of Infection, 2007, 54, 454-458.	3.3	7
80	Exhaled Nitric Oxide in Relation to the Clinical Features of Childhood Asthma. Journal of Asthma, 2004, 41, 751-757.	1.7	16
81	Investigation of Seroprevalence of Respiratory Virus Infections in an Infant Population with a Multiantigen Fluorescence Immunoassay Using Heel-Prick Blood Samples Collected on Filter Paper. Pediatric Research, 1999, 45, 799-802.	2.3	7