

Young J Juhn

List of Publications by Year in descending order

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Version: 2024-02-01

129
papers

3,158
citations

147726

31
h-index

206029

48
g-index

131
all docs

131
docs citations

131
times ranked

3202
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased risk of serious pneumococcal disease in patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 719-723.	1.5	147
2	Artificial intelligence approaches using natural language processing to advance EHR-based clinical research. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 463-469.	1.5	142
3	Development and Initial Testing of a New Socioeconomic Status Measure Based on Housing Data. <i>Journal of Urban Health</i> , 2011, 88, 933-944.	1.8	131
4	Risks for infection in patients with asthma (or other atopic conditions): Is asthma more than a chronic airway disease?. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 247-257.e3.	1.5	116
5	Comparison of individual-level versus area-level socioeconomic measures in assessing health outcomes of children in Olmsted County, Minnesota. <i>Journal of Epidemiology and Community Health</i> , 2013, 67, 305-310.	2.0	86
6	Mode of delivery at birth and development of asthma: A population-based cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 116, 510-516.	1.5	82
7	The influence of neighborhood environment on the incidence of childhood asthma: a multilevel approach. <i>Social Science and Medicine</i> , 2005, 60, 2453-2464.	1.8	79
8	Asthma and Proinflammatory Conditions: A Population-Based Retrospective Matched Cohort Study. <i>Mayo Clinic Proceedings</i> , 2012, 87, 953-960.	1.4	76
9	Increased risk of pertussis in patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 957-963.	1.5	70
10	Adherence to Asthma Guidelines in Children, Tweens, and Adults in Primary Care Settings. <i>Mayo Clinic Proceedings</i> , 2016, 91, 411-421.	1.4	68
11	Application of a Natural Language Processing Algorithm to Asthma Ascertainment. An Automated Chart Review. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 430-437.	2.5	67
12	Automated chart review for asthma cohort identification using natural language processing: an exploratory study. <i>Annals of Allergy, Asthma and Immunology</i> , 2013, 111, 364-369.	0.5	63
13	Increased risk of serious pneumococcal disease in patients with atopic conditions other than asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 217-221.	1.5	59
14	Asthma and Risk of Selective IgA Deficiency or Common Variable Immunodeficiency: A Population-Based Case-Control Study. <i>Mayo Clinic Proceedings</i> , 2013, 88, 813-821.	1.4	58
15	Effects of Levothyroxine Therapy on Pregnancy Outcomes in Women with Subclinical Hypothyroidism. <i>Thyroid</i> , 2016, 26, 980-986.	2.4	53
16	Clinical documentation variations and NLP system portability: a case study in asthma birth cohorts across institutions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 353-359.	2.2	52
17	Automated chart review utilizing natural language processing algorithm for asthma predictive index. <i>BMC Pulmonary Medicine</i> , 2018, 18, 34.	0.8	51
18	A novel measure of socioeconomic status using individual housing data to assess the association of SES with rheumatoid arthritis and its mortality: a population-based case-control study. <i>BMJ Open</i> , 2015, 5, e006469-e006469.	0.8	50

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19	Increased Risk of Herpes Zoster in Children with Asthma: A Population-Based Case-Control Study. <i>Journal of Pediatrics</i> , 2013, 163, 816-821.	0.9	47
20	The influence of neighborhood environment on the incidence of childhood asthma: A propensity score approach. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 838-843.e2.	1.5	46
21	Asthma as a risk factor for zoster in adults: A population-based case-control study. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1406-1412.	1.5	43
22	Childhood asthma and human leukocyte antigen type. <i>Tissue Antigens</i> , 2007, 69, 38-46.	1.0	42
23	A novel housing-based socioeconomic measure predicts hospitalisation and multiple chronic conditions in a community population. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 286-291.	2.0	41
24	Natural Language Processing for Asthma Ascertainment in Different Practice Settings. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 126-131.	2.0	40
25	Ethnicity, Socioeconomic Status, and Health Disparities in a Mixed Rural-Urban US Community—Olmsted County, Minnesota. <i>Mayo Clinic Proceedings</i> , 2016, 91, 612-622.	1.4	39
26	Modeling asynchronous event sequences with RNNs. <i>Journal of Biomedical Informatics</i> , 2018, 83, 167-177.	2.5	39
27	A two-county comparison of the HOUSES index on predicting self-rated health. <i>Journal of Epidemiology and Community Health</i> , 2011, 65, 254-259.	2.0	38
28	Application of a novel socioeconomic measure using individual housing data in asthma research: an exploratory study. <i>Npj Primary Care Respiratory Medicine</i> , 2014, 24, 14018.	1.1	38
29	Housing data-based socioeconomic index and risk of invasive pneumococcal disease: an exploratory study. <i>Epidemiology and Infection</i> , 2013, 141, 880-887.	1.0	37
30	Influence of Asthma Status on Serotype-Specific Pneumococcal Antibody Levels. <i>Postgraduate Medicine</i> , 2010, 122, 116-124.	0.9	36
31	Association of Asthma with Rheumatoid Arthritis: A Population-Based Case-Control Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 219-226.	2.0	36
32	Individual housing-based socioeconomic status predicts risk of accidental falls among adults. <i>Annals of Epidemiology</i> , 2017, 27, 415-420.e2.	0.9	35
33	Concordance between Individual vs. Area-Level Socioeconomic Measures in an Urban Setting. <i>Journal of Health Care for the Poor and Underserved</i> , 2015, 26, 1157-1172.	0.4	34
34	Asthma Status and Risk of Incident Myocardial Infarction: A Population-Based Case-Control Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2016, 4, 917-923.	2.0	34
35	An Individual Housing-Based Socioeconomic Status Measure Predicts Advance Care Planning and Nursing Home Utilization. <i>American Journal of Hospice and Palliative Medicine</i> , 2019, 36, 362-369.	0.8	31
36	Socioeconomic Status, Race/Ethnicity, and Health Disparities in Children and Adolescents in a Mixed Rural-Urban Community—Olmsted County, Minnesota. <i>Mayo Clinic Proceedings</i> , 2019, 94, 44-53.	1.4	31

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37	A Novel Socioeconomic Measure Using Individual Housing Data in Cardiovascular Outcome Research. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 11597-11615.	1.2	30
38	Childhood asthma and measles vaccine response. <i>Annals of Allergy, Asthma and Immunology</i> , 2006, 97, 469-476.	0.5	29
39	Assessment of the association between pediatric asthma and <i>Streptococcus pyogenes</i> upper respiratory infection. <i>Allergy and Asthma Proceedings</i> , 2009, 30, 540-545.	1.0	28
40	Assessment of humoral and cell-mediated immune response to measles, mumps, rubella vaccine viruses among patients with asthma. <i>Allergy and Asthma Proceedings</i> , 2010, 31, 499-506.	1.0	28
41	Asthma and risk of non-respiratory tract infection: a population-based case-control study. <i>BMJ Open</i> , 2013, 3, e003857.	0.8	28
42	Timeliness of diagnosis of asthma in children and its predictors. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1529-1535.	2.7	27
43	Artificial intelligence-assisted clinical decision support for childhood asthma management: A randomized clinical trial. <i>PLoS ONE</i> , 2021, 16, e0255261.	1.1	25
44	Characterisation of children's asthma status by ICD-9 code and criteria-based medical record review. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2010, 20, 79-83.	2.5	24
45	HOUSES Index as an Innovative Socioeconomic Measure Predicts Graft Failure Among Kidney Transplant Recipients. <i>Transplantation</i> , 2020, 104, 2383-2392.	0.5	24
46	Impact of delay in asthma diagnosis on health care service use. <i>Allergy and Asthma Proceedings</i> , 2010, 31, 48-52.	1.0	22
47	Assessment of the association between atopic conditions and tympanostomy tube placement in children. <i>Allergy and Asthma Proceedings</i> , 2012, 33, 289-296.	1.0	22
48	Epidemiology of Children With Multiple Complex Chronic Conditions in a Mixed Urban-Rural US Community. <i>Hospital Pediatrics</i> , 2019, 9, 281-290.	0.6	21
49	<i>Streptococcus pyogenes</i> upper respiratory infection and atopic conditions other than asthma: a retrospective cohort study. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2012, 21, 153-158.	2.5	20
50	Risk of herpes zoster in children with asthma. <i>Allergy and Asthma Proceedings</i> , 2015, 36, 372-378.	1.0	20
51	Expert artificial intelligence-based natural language processing characterises childhood asthma. <i>BMJ Open Respiratory Research</i> , 2020, 7, e000524.	1.2	20
52	Allergic airway inflammation and susceptibility to pneumococcal pneumonia in a murine model with real-time <i>in vivo</i> evaluation. <i>Clinical and Experimental Immunology</i> , 2009, 156, 552-561.	1.1	19
53	Asthma and severity of 2009 novel H1N1 influenza: a population-based case-control study. <i>Journal of Asthma</i> , 2013, 50, 1069-1076.	0.9	19
54	Role of individual-housing-based socioeconomic status measure in relation to smoking status among late adolescents with asthma. <i>Annals of Epidemiology</i> , 2016, 26, 455-460.	0.9	19

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55	Ascertainment of asthma prognosis using natural language processing from electronic medical records. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2292-2294.e3.	1.5	19
56	A new socioeconomic status measure for vaccine research in children using individual housing data: a population-based case-control study. <i>BMC Public Health</i> , 2016, 16, 1000.	1.2	18
57	Influence of Asthma Epidemiology on the Risk for Other Diseases. <i>Allergy, Asthma and Immunology Research</i> , 2012, 4, 122.	1.1	17
58	Patient-level temporal aggregation for text-based asthma status ascertainment. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, 876-884.	2.2	17
59	Risk of Asthma in Late Preterm Infants: A Propensity Score Approach. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2015, 3, 905-910.	2.0	17
60	Use of Asthma APGAR Tools in Primary Care Practices: A Cluster-Randomized Controlled Trial. <i>Annals of Family Medicine</i> , 2018, 16, 100-110.	0.9	17
61	Asthma Status and Waning of Measles Antibody Concentrations after Measles Immunization. <i>Pediatric Infectious Disease Journal</i> , 2014, 33, 1016-1022.	1.1	16
62	Population-based study on association between birth weight and risk of asthma: A propensity score approach. <i>Annals of Allergy, Asthma and Immunology</i> , 2013, 110, 18-23.	0.5	15
63	Development and initial testing of Asthma Predictive Index for a retrospective study: an exploratory study. <i>Journal of Asthma</i> , 2015, 52, 183-190.	0.9	14
64	Assessing health disparities in children using a modified housing-related socioeconomic status measure: a cross-sectional study. <i>BMJ Open</i> , 2016, 6, e011564.	0.8	14
65	Child Care Program Directors' Level of Knowledge About Asthma and Factors Associated with Knowledge. <i>Clinical Pediatrics</i> , 2002, 41, 111-116.	0.4	13
66	Characteristics of Children with Asthma Who Achieved Remission of Asthma. <i>Journal of Asthma</i> , 2013, 50, 472-479.	0.9	13
67	The Potential Biases in Studying the Relationship between Asthma and Microbial Infection. <i>Journal of Asthma</i> , 2007, 44, 827-832.	0.9	12
68	Characterization of asthma status by parent report and medical record review. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1468-1469.	1.5	12
69	Impact of Delay in Asthma Diagnosis on Chest X-ray and Antibiotic Utilization by Clinicians. <i>Journal of Asthma</i> , 2012, 49, 23-28.	0.9	12
70	What accounts for the association between late preterm births and risk of asthma?. <i>Allergy and Asthma Proceedings</i> , 2017, 38, 152-156.	1.0	12
71	Association between an individual housing-based socioeconomic index and inconsistent self-reporting of health conditions: a prospective cohort study in the Mayo Clinic Biobank. <i>BMJ Open</i> , 2018, 8, e020054.	0.8	12
72	Heterogeneity of asthma and the risk of celiac disease in children. <i>Allergy and Asthma Proceedings</i> , 2018, 39, 51-58.	1.0	12

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73	An Innovative Individual-Level Socioeconomic Measure Predicts Critical Care Outcomes in Older Adults: A Population-Based Study. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 828-837.	1.3	12
74	Asthma and risk of breakthrough varicella infection in children. <i>Allergy and Asthma Proceedings</i> , 2016, 37, 207-215.	1.0	11
75	The relationship of 25-hydroxyvitamin D concentrations and individual-level socioeconomic status. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 197, 105545.	1.2	11
76	Role of Geographic Risk Factors in COVID-19 Epidemiology: Longitudinal Geospatial Analysis. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2021, 5, 916-927.	1.2	11
77	Severity of Childhood Asthma and Human Leukocyte Antigens Type. <i>Journal of Asthma</i> , 2007, 44, 163-168.	0.9	10
78	HLA-DR polymorphism modulates response to house dust mites in a transgenic mouse model of airway inflammation. <i>Tissue Antigens</i> , 2011, 77, 589-592.	1.0	10
79	Effects of increasing levothyroxine on pregnancy outcomes in women with uncontrolled hypothyroidism. <i>Clinical Endocrinology</i> , 2017, 86, 150-155.	1.2	10
80	Using Garden Cafés to engage community stakeholders in health research. <i>PLoS ONE</i> , 2018, 13, e0200483.	1.1	10
81	Identification of asthma control factor in clinical notes using a hybrid deep learning model. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 272.	1.5	10
82	The Impact of Electronic Medical Records on Timeliness of Diagnosis of Asthma. <i>Journal of Asthma</i> , 2007, 44, 753-758.	0.9	9
83	Characterization of the duration from onset of asthma symptoms to asthma disease. <i>Annals of Allergy, Asthma and Immunology</i> , 2008, 100, 589-595.	0.5	9
84	Spatio-temporal comparison of pertussis outbreaks in Olmsted County, Minnesota, 2004-2005 and 2012: a population-based study. <i>BMJ Open</i> , 2019, 9, e025521.	0.8	9
85	Long-term incidence of glioma in Olmsted County, Minnesota, and disparities in postglioma survival rate: a population-based study. <i>Neuro-Oncology Practice</i> , 2020, 7, 288-298.	1.0	9
86	Participation of rural patients in clinical trials at a multisite academic medical center. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e190.	0.3	9
87	Atopic conditions other than asthma and risk of the 2009 novel H1N1 infection in children: A case-control study. <i>Allergy and Asthma Proceedings</i> , 2013, 34, 459-466.	1.0	9
88	Why Parents Seek Medical Evaluations for Their Children With Mild Acute Illnesses. <i>Clinical Pediatrics</i> , 2008, 47, 244-251.	0.4	8
89	An assessment of the association between childhood asthma and HLA DRB1*03 using extended haplotype analysis. <i>Tissue Antigens</i> , 2010, 76, 491-494.	1.0	8
90	Early Identification of Childhood Asthma: The Role of Informatics in an Era of Electronic Health Records. <i>Frontiers in Pediatrics</i> , 2019, 7, 113.	0.9	8

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91	Relationship between asthma status and antibody response pattern to 23-valent pneumococcal vaccination. <i>Journal of Asthma</i> , 2020, 57, 381-390.	0.9	8
92	Factors associated with willingness to wear a mask to prevent the spread of COVID-19 in a Midwestern Community. <i>Preventive Medicine Reports</i> , 2021, 24, 101543.	0.8	8
93	Serum 25-hydroxyvitamin D concentrations and waning pneumococcal antibody titers among individuals with atopy. <i>Allergy and Asthma Proceedings</i> , 2013, 34, 370-377.	1.0	8
94	Assessing socioeconomic bias in machine learning algorithms in health care: a case study of the HOUSES index. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 1142-1151.	2.2	8
95	Usefulness of asthma predictive index in ascertaining asthma status of children using medical records: An explorative study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1276-1283.	2.7	7
96	WILLINGNESS OF DIRECTORS OF CHILD CARE CENTERS TO CARE FOR CHILDREN WITH CHRONIC INFECTIONS. <i>Pediatric Infectious Disease Journal</i> , 2001, 20, 77-79.	1.1	7
97	Human leukocyte antigen type and progression from onset of symptoms to development of asthma. <i>Allergy and Asthma Proceedings</i> , 2010, 31, 120-125.	1.0	6
98	Asthma and Risk of Appendicitis in Children: A Population-Based Case-Control Study. <i>Academic Pediatrics</i> , 2017, 17, 205-211.	1.0	6
99	Asthma and risk of glioma: a population-based case-control study. <i>BMJ Open</i> , 2019, 9, e025746.	0.8	6
100	Adherence to Public Health Measures Mitigates the Risk of COVID-19 Infection in Older Adults: A Community-Based Study. <i>Mayo Clinic Proceedings</i> , 2021, 96, 912-920.	1.4	6
101	Serum 25-hydroxyvitamin D is associated with enhanced pneumococcal antibody levels in individuals with asthma. <i>Allergy and Asthma Proceedings</i> , 2011, 32, 445-452.	1.0	6
102	Analysis of Clinical Variations in Asthma Care Documented in Electronic Health Records Between Staff and Resident Physicians. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 1170-1174.	0.2	6
103	Artificial Intelligence Assesses Clinicians' Adherence to Asthma Guidelines Using Electronic Health Records. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1047-1056.e1.	2.0	6
104	The Role of IL-17 in the Association between Pneumococcal Pneumonia and Allergic Sensitization. <i>International Journal of Microbiology</i> , 2011, 2011, 1-6.	0.9	5
105	Asthma and antibodies to pneumococcal virulence proteins. <i>Infection</i> , 2013, 41, 927-934.	2.3	5
106	Asthma and the immune response to MMR vaccine viruses in Somali immigrant children: a cross-sectional retrospective cohort study. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2013, 22, 278-283.	2.5	5
107	What Does Tympanostomy Tube Placement in Children Teach Us About the Association Between Atopic Conditions and Otitis Media?. <i>Current Allergy and Asthma Reports</i> , 2014, 14, 447.	2.4	5
108	Rural-urban health disparities for mood disorders and obesity in a midwestern community. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 408-415.	0.3	5

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109	The relationship of 25-hydroxyvitamin D values and risk of fracture: a population-based retrospective cohort study. <i>Osteoporosis International</i> , 2020, 31, 1787-1799.	1.3	5
110	Creating a pediatric advisory board for engaging youth in pediatric health research: A case study. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e113.	0.3	5
111	Mobile home residence as a risk factor for adverse events among children in a mixed rural-urban community: A case for geospatial analysis. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 443-450.	0.3	4
112	Risk, Mechanisms and Implications of Asthma-Associated Infectious and Inflammatory Multimorbidities (AIMs) among Individuals With Asthma: a Systematic Review and a Case Study. <i>Allergy, Asthma and Immunology Research</i> , 2021, 13, 697.	1.1	4
113	Role of geographic risk factors and social determinants of health in COVID-19 epidemiology: Longitudinal geospatial analysis in a midwest rural region. <i>Journal of Clinical and Translational Science</i> , 2022, 6, .	0.3	4
114	The FACT score in predicting pneumococcal antibody levels in asthmatics. <i>Journal of Asthma</i> , 2015, 52, 370-375.	0.9	3
115	Automated Chart Review for Asthma Ascertainment: An Innovative Approach for Asthma Care and Research in the Era of Electronic Medical Record. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB196.	1.5	3
116	Impact of Asthma on the Severity of Serious Pneumococcal Disease. <i>Epidemiology (Sunnyvale, Calif)</i> , 2014, 02, .	0.3	3
117	Acceptability of Robotic-Assisted Exercise Coaching Among Diverse Youth: Pilot Study. <i>JMIR Pediatrics and Parenting</i> , 2019, 2, e12549.	0.8	3
118	Asthma and severity of the 2009 novel H1N1 influenza: a case-control study. <i>Journal of Asthma</i> , 2014, 51, 69-74.	0.9	2
119	Influence of HLA-DR polymorphism and allergic sensitization on humoral immune responses to intact pneumococcus in a transgenic mouse model. <i>Hla</i> , 2016, 88, 25-34.	0.4	2
120	Assessment of Asthma Progression Determined by Natural Language Processing to Improve Asthma Care and Research in the Era of Electronic Medical Records. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB100.	1.5	2
121	Asthma-Guidance and Prediction System (a-GPS) As a Precision Asthma Care Tool. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, AB210.	1.5	2
122	A diagnostic codes-based algorithm improves accuracy for identification of childhood asthma in archival data sets. <i>Journal of Asthma</i> , 2020, 58, 1-10.	0.9	2
123	The health threats to people with asthma through asthma-associated infectious disease comorbidities are largely under-recognized. <i>Journal of Internal Medicine</i> , 2017, 282, 268-271.	2.7	1
124	Views and experiences of youth participants in a pediatric advisory board for human subjects research. <i>Journal of Clinical and Translational Science</i> , 2021, 5, .	0.3	1
125	Establishing an expert consensus for the operational definitions of asthma-associated infectious and inflammatory multimorbidities for computational algorithms through a modified Delphi technique. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 310.	1.5	1
126	Risk of pneumonia in asthmatic children using inhaled corticosteroids: a nested case-control study in a birth cohort. <i>BMJ Open</i> , 2022, 12, e051926.	0.8	1

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127	Asthma and invasive pneumococccal diseases: the implications for clinical practice, public health and research. Paediatrics and Child Health (United Kingdom), 2009, 19, S127-S131.	0.2	0
128	Atopic asthma as a potentially significant but unrecognized risk factor for Kawasaki disease in children. Journal of Asthma, 2021, , 1-9.	0.9	0
129	Deep Learning Identification of Asthma Inhaler Techniques in Clinical Notes. , 2020, 2020, .		0