

Ann Chen Wu

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

3,260
citations

186265

28
h-index

168389

53
g-index

112
all docs

112
docs citations

112
times ranked

5030
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Prenatal Supplementation With Vitamin D on Asthma or Recurrent Wheezing in Offspring by Age 3 Years. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 362.	7.4	351
2	Screening Healthy Infants for Iron Deficiency Using Reticulocyte Hemoglobin Content. <i>JAMA - Journal of the American Medical Association</i> , 2005, 294, 924.	7.4	146
3	Asthma Metabolomics and the Potential for Integrative Omics in Research and the Clinic. <i>Chest</i> , 2017, 151, 262-277.	0.8	138
4	Effect of Vitamin D and Inhaled Corticosteroid Treatment on Lung Function in Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 508-513.	5.6	122
5	A functional splice variant associated with decreased asthma risk abolishes the ability of gasdermin B to induce epithelial cell pyroptosis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1469-1478.e2.	2.9	121
6	Predictors of Symptoms Are Different From Predictors of Severe Exacerbations From Asthma in Children. <i>Chest</i> , 2011, 140, 100-107.	0.8	115
7	Genome-Wide Association Analysis in Asthma Subjects Identifies SPATS2L as a Novel Bronchodilator Response Gene. <i>PLoS Genetics</i> , 2012, 8, e1002824.	3.5	107
8	Cost-effectiveness of omalizumab in adults with severe asthma: Results from the Asthma Policy Model. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1146-1152.	2.9	105
9	Whole-Genome Sequencing of Pharmacogenetic Drug Response in Racially Diverse Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1552-1564.	5.6	102
10	Screening for Iron Deficiency. <i>Pediatrics in Review</i> , 2002, 23, 171-178.	0.4	99
11	Primary Adherence to Controller Medications for Asthma Is Poor. <i>Annals of the American Thoracic Society</i> , 2015, 12, 161-166.	3.2	99
12	Postpartum Mothers' Attitudes, Knowledge, and Trust Regarding Vaccination. <i>Maternal and Child Health Journal</i> , 2008, 12, 766-773.	1.5	79
13	The metabolomics of asthma control: a promising link between genetics and disease. <i>Immunity, Inflammation and Disease</i> , 2015, 3, 224-238.	2.7	77
14	Association Between Oral Corticosteroid Bursts and Severe Adverse Events. <i>Annals of Internal Medicine</i> , 2020, 173, 325-330.	3.9	76
15	Mobile health applications for asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2015, 3, 446-448.e16.	3.8	64
16	Statin Exposure Is Associated with Decreased Asthma-related Emergency Department Visits and Oral Corticosteroid Use. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1076-1082.	5.6	60
17	Racial/Ethnic Variation in Parent Perceptions of Asthma. <i>Academic Pediatrics</i> , 2008, 8, 89-97.	1.7	57
18	CTNNA3 and SEMA3D: Promising loci for asthma exacerbation identified through multiple genome-wide association studies. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1503-1510.	2.9	50

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19	Current Status and Future Opportunities in Lung Precision Medicine Research with a Focus on Biomarkers. An American Thoracic Society/National Heart, Lung, and Blood Institute Research Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, e116-e136.	5.6	49
20	Mobile Health and Inhaler-Based Monitoring Devices for Asthma Management. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2535-2543.	3.8	45
21	Financial Barriers to Care Among Low-Income Children With Asthma. <i>JAMA Pediatrics</i> , 2014, 168, 649.	6.2	43
22	Fungal Exposure Modulates the Effect of Polymorphisms of Chitinases on Emergency Department Visits and Hospitalizations. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 884-889.	5.6	40
23	Ending the Diagnostic Odyssey—Is Whole-Genome Sequencing the Answer?. <i>JAMA Pediatrics</i> , 2020, 174, 821.	6.2	39
24	Integration of metabolomic and transcriptomic networks in pregnant women reveals biological pathways and predictive signatures associated with preeclampsia. <i>Metabolomics</i> , 2017, 13, 1.	3.0	38
25	Metabolomic profiling reveals extensive adrenal suppression due to inhaled corticosteroid therapy in asthma. <i>Nature Medicine</i> , 2022, 28, 814-822.	30.7	37
26	Applications of metabolomics in the study and management of preeclampsia: a review of the literature. <i>Metabolomics</i> , 2017, 13, 1.	3.0	35
27	<i>CMTR1</i> is associated with increased asthma exacerbations in patients taking inhaled corticosteroids. <i>Immunity, Inflammation and Disease</i> , 2015, 3, 350-359.	2.7	32
28	Economic Evaluation of Pharmacogenetic Tests. <i>Clinical Pharmacology and Therapeutics</i> , 2008, 84, 272-274.	4.7	31
29	Insurance Coverage Policies for Pharmacogenomic and Multi-Gene Testing for Cancer. <i>Journal of Personalized Medicine</i> , 2018, 8, 19.	2.5	30
30	Plasma metabolite profiles in children with current asthma. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1297-1304.	2.9	30
31	Predicting response to short-acting bronchodilator medication using Bayesian networks. <i>Pharmacogenomics</i> , 2009, 10, 1393-1412.	1.3	27
32	Propensity Score-based Sensitivity Analysis Method for Uncontrolled Confounding. <i>American Journal of Epidemiology</i> , 2011, 174, 345-353.	3.4	27
33	Increased Dose and Duration of Statin Use Is Associated with Decreased Asthma-Related Emergency Department Visits and Hospitalizations. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1588-1595.e1.	3.8	27
34	The Interpreter as Cultural Educator of Residents. <i>JAMA Pediatrics</i> , 2006, 160, 1145.	3.0	26
35	Large-scale, multiethnic genome-wide association study identifies novel loci contributing to asthma susceptibility in adults. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1633-1635.	2.9	26
36	Quantifying the Polygenic Contribution to Cutaneous Squamous Cell Carcinoma Risk. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1507-1510.	0.7	25

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37	Statin use in asthmatics on inhaled corticosteroids is associated with decreased risk of emergency department visits. <i>Current Medical Research and Opinion</i> , 2014, 30, 685-693.	1.9	23
38	Measuring the corticosteroid responsiveness endophenotype in asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 274-281.e8.	2.9	23
39	Increasing trends of anaphylaxis-related events: an analysis of anaphylaxis using nationwide data in Taiwan, 2001–2013. <i>World Allergy Organization Journal</i> , 2018, 11, 23.	3.5	22
40	Cost-Effectiveness of Biologics for Allergic Diseases. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1107-1117.e2.	3.8	22
41	Inhaled corticosteroid treatment modulates ZNF432 gene variant's effect on bronchodilator response in asthmatics. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 723-728.e3.	2.9	21
42	Characterization of longitudinal wheeze phenotypes from infancy to adolescence in Project Viva, a prebirth cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 716-719.e8.	2.9	21
43	Asthma Across Childhood: Improving Adherence to Asthma Management from Early Childhood to Adolescence. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1802-1807.e1.	3.8	21
44	Polymorphisms of chitinases are not associated with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 754-757.e2.	2.9	19
45	Use of Leukotriene Receptor Antagonists Are Associated with a Similar Risk of Asthma Exacerbations as Inhaled Corticosteroids. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2014, 2, 607-613.	3.8	19
46	Repeatability of response to asthma medications. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 385-390.	2.9	18
47	The Promise of Improving Asthma Control Using Mobile Health. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2016, 4, 738-739.	3.8	18
48	Asthma-susceptibility variants identified using probands in case-control and family-based analyses. <i>BMC Medical Genetics</i> , 2010, 11, 122.	2.1	17
49	Changing patterns of asthma medication use related to US Food and Drug Administration long-acting β_2 -agonist regulation from 2005-2011. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 710-717.	2.9	17
50	Racial disparities in family-provider interactions for pediatric asthma care. <i>Journal of Asthma</i> , 2018, 55, 424-429.	1.7	16
51	Universal newborn genetic screening for pediatric cancer predisposition syndromes: model-based insights. <i>Genetics in Medicine</i> , 2021, 23, 1366-1371.	2.4	16
52	Asthma Treatments and Mental Health Visits After a Food and Drug Administration Label Change for Leukotriene Inhibitors. <i>Clinical Therapeutics</i> , 2015, 37, 1280-1291.	2.5	15
53	Coordinated Asthma Program Improves Asthma Outcomes in High-Risk Children. <i>Clinical Pediatrics</i> , 2017, 56, 934-941.	0.8	15
54	Systems biology and in vitro validation identifies family with sequence similarity 129 member A (FAM129A) as an asthma steroid response modulator. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1479-1488.e12.	2.9	15

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55	Longitudinal analysis of bronchodilator response in asthmatics and effect modification of age-related trends by genotype. <i>Pediatric Pulmonology</i> , 2019, 54, 158-164.	2.0	15
56	A polygenic risk score for asthma in a large racially diverse population. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1410-1420.	2.9	15
57	Mismatching Among Guidelines, Providers, and Parents on Controller Medication Use in Children with Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2016, 4, 910-916.	3.8	14
58	Pharmacometabolomics of Bronchodilator Response in Asthma and the Role of Age-Metabolite Interactions. <i>Metabolites</i> , 2019, 9, 179.	2.9	13
59	The Good, the Bad, and the Unknown of Telemedicine in Asthma and Allergy Practice. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2580-2582.	3.8	13
60	Genome-wide interaction study reveals age-dependent determinants of responsiveness to inhaled corticosteroids in individuals with asthma. <i>PLoS ONE</i> , 2020, 15, e0229241.	2.5	12
61	Plasmalogens Mediate the Effect of Age on Bronchodilator Response in Individuals With Asthma. <i>Frontiers in Medicine</i> , 2020, 7, 38.	2.6	12
62	Modeling asthma exacerbations through lung function in children. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 1065-1070.	2.9	11
63	A Comparison of Confounding Adjustment Methods for Assessment of Asthma Controller Medication Effectiveness. <i>American Journal of Epidemiology</i> , 2014, 179, 648-659.	3.4	11
64	Lung Function in African American Children with Asthma Is Associated with Novel Regulatory Variants of the KIT Ligand <i>KITLG/SCF</i> and Gene-By-Air-Pollution Interaction. <i>Genetics</i> , 2020, 215, 869-886.	2.9	11
65	Out-of-Pocket Spending for Asthma-Related Care Among Commercially Insured Patients, 2004-2016. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 4324-4331.e7.	3.8	11
66	Pharmacogenetics of inhaled corticosteroids and exacerbation risk in adults with asthma. <i>Clinical and Experimental Allergy</i> , 2022, 52, 33-45.	2.9	11
67	Development of a Pharmacogenetic Predictive Test in asthma: proof of concept. <i>Pharmacogenetics and Genomics</i> , 2010, 20, 86-93.	1.5	10
68	Pharmacogenomic test that predicts response to inhaled corticosteroids in adults with asthma likely to be cost-saving. <i>Pharmacogenomics</i> , 2015, 16, 591-600.	1.3	10
69	The phosphatidylinositide 3-kinase (PI3K) signaling pathway is a determinant of zileuton response in adults with asthma. <i>Pharmacogenomics Journal</i> , 2018, 18, 665-677.	2.0	10
70	Impact of Copayment Changes on Children's Albuterol Inhaler Use and Costs after the Clean Air Act Chlorofluorocarbon Ban. <i>Health Services Research</i> , 2018, 53, 156-174.	2.0	9
71	Seasonal patterns of Asthma medication fills among diverse populations of the United States. <i>Journal of Asthma</i> , 2018, 55, 764-770.	1.7	9
72	Asthma: Overdiagnosed, Underdiagnosed, and Ineffectively Treated. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 801-802.	3.8	9

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73	Pharmaco-Metabolomics of Inhaled Corticosteroid Response in Individuals with Asthma. <i>Journal of Personalized Medicine</i> , 2021, 11, 1148.	2.5	9
74	How Can We Communicate About Vaccines With Adolescents and Their Parents?. <i>Clinical Pediatrics</i> , 2010, 49, 373-380.	0.8	8
75	Prevalence and characteristics of medication sharing behavior in a pediatric Medicaid population with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , 2015, 114, 151-153.	1.0	7
76	Access to Guideline-Recommended Pharmacogenomic Tests for Cancer Treatments: Experience of Providers and Patients. <i>Journal of Personalized Medicine</i> , 2017, 7, 17.	2.5	7
77	Is Telemedicine as Effective as Usual Care?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 217-218.	3.8	7
78	Estimated Cost-effectiveness of Genetic Testing in Siblings of Newborns With Cancer Susceptibility Gene Variants. <i>JAMA Network Open</i> , 2021, 4, e2129742.	5.9	7
79	Expression of SMARCD1 interacts with age in association with asthma control on inhaled corticosteroid therapy. <i>Respiratory Research</i> , 2020, 21, 31.	3.6	6
80	Association of Controller Use and Exacerbations for High-Deductible Plan Enrollees with and without Family Members with Asthma. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1255-1260.	3.2	6
81	Multomics analysis identifies BIRC3 as a novel glucocorticoid response-associated gene. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1981-1991.	2.9	6
82	Leveraging Telemedicine to Reduce the Financial Burden of Asthma Care. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 2536-2542.	3.8	6
83	Omalizumab for Atopic Dermatitis. <i>JAMA Pediatrics</i> , 2020, 174, 15.	6.2	5
84	The effects of misspecification of the mediator and outcome in mediation analysis. <i>Genetic Epidemiology</i> , 2020, 44, 400-403.	1.3	5
85	Age by Single Nucleotide Polymorphism Interactions on Bronchodilator Response in Asthmatics. <i>Journal of Personalized Medicine</i> , 2021, 11, 59.	2.5	5
86	Pharmacogenetic Polygenic Risk Score for Bronchodilator Response in Children and Adolescents with Asthma: Proof-of-Concept. <i>Journal of Personalized Medicine</i> , 2021, 11, 319.	2.5	5
87	Characteristics of new adult users of mepolizumab with asthma in the USA. <i>BMJ Open Respiratory Research</i> , 2021, 8, e001003.	3.0	5
88	Novel genetic variants associated with inhaled corticosteroid treatment response in older adults with asthma. <i>Thorax</i> , 2023, 78, 432-441.	5.6	5
89	The Implementation Process for Pharmacogenomic Testing for Cancer-Targeted Therapies. <i>Journal of Personalized Medicine</i> , 2018, 8, 32.	2.5	4
90	Real-Life Patterns of Exacerbations While on Inhaled Corticosteroids and Long-Acting Beta Agonists for Asthma over 15 Years. <i>Journal of Clinical Medicine</i> , 2020, 9, 819.	2.4	4

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91	Controller Medication Use and Exacerbations for Children and Adults With Asthma in High-Deductible Health Plans. <i>JAMA Pediatrics</i> , 2021, 175, 807-816.	6.2	4
92	Population-Based Newborn Screening for Germline <i>TP53</i> Variants: Clinical Benefits, Cost-Effectiveness, and Value of Further Research. <i>Journal of the National Cancer Institute</i> , 2022, 114, 722-731.	6.3	4
93	Asthma self-assessment in a Medicaid population. <i>BMC Public Health</i> , 2009, 9, 244.	2.9	3
94	Outcomes After Periodic Use of Inhaled Corticosteroids in Children. <i>Journal of Asthma</i> , 2009, 46, 517-522.	1.7	3
95	Pharmacogenomic test that predicts response to β_2 -agonists in adults with asthma is cost effective. <i>Personalized Medicine</i> , 2015, 12, 574-584.	1.5	3
96	Pharmacogenetics of Bronchodilator Response: Future Directions. <i>Current Allergy and Asthma Reports</i> , 2021, 21, 47.	5.3	3
97	INSIG2 is Associated with Lower Gain in Weight-for-Length between Birth and Age 6 Months. <i>Clinical Medicine Pediatrics</i> , 2009, 3, CMPed.S2279.	0.1	2
98	Social Media and the Allergist: Evidence Supports Increasing Our Engagement. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 313-314.	3.8	2
99	CASTER: Cross-Sectional Asthma STERoid Response Measurement. <i>Journal of Personalized Medicine</i> , 2020, 10, 95.	2.5	2
100	Creative Approaches for Assessing Long-term Outcomes in Children. <i>Pediatrics</i> , 2021, 148, s25-s32.	2.1	2
101	The impact of FDA regulatory activities on incident dispensing of LABA-containing medication: 2005-2011. <i>Journal of Asthma</i> , 2018, 55, 907-914.	1.7	1
102	Trends in health care utilization for asthma exacerbations among diverse populations with asthma in the United States. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 295-297.e5.	3.8	1
103	A Group Visit for High-Risk Pediatric Asthma Patients: A Quality Improvement Initiative to Improve Asthma Care. <i>Clinical Pediatrics</i> , 2019, 58, 746-751.	0.8	1
104	There's an App for That, But Does It Work?. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 2592-2593.	3.8	1
105	Payer Decision-Making for Pharmacogenetic Tests: Preliminary Results. <i>Journal of Patient-centered Research and Reviews</i> , 2017, 4, 170-171.	0.9	1
106	Reply: The Beneficial Effect of Statins on Asthma Exacerbations: Another Point of View. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 119-119.	5.6	0
107	Reply to Mahler: Peak Inspiratory Flow Rate: An Emerging Biomarker in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1579-1579.	5.6	0
108	Tailored Management of Allergic Diseases by Age: One Size Does Not Fit All. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1881-1882.	3.8	0

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109	The Role of SNP Interactions when Determining Independence of Novel Signals in Genetic Association Studies—An Application to ARG1 and Bronchodilator Response. <i>Journal of Personalized Medicine</i> , 2021, 11, 145.	2.5	0
110	Population-based cancer predisposition testing as a component of newborn screening: A cost-effectiveness analysis.. <i>Journal of Clinical Oncology</i> , 2019, 37, 10021-10021.	1.6	0