

Teal S Hallstrand

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

6,976
citations

87888

38
h-index

64796

79
g-index

82
all docs

82
docs citations

82
times ranked

8159
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization of Spirometry 2019 Update. An Official American Thoracic Society and European Respiratory Society Technical Statement. American Journal of Respiratory and Critical Care Medicine, 2019, 200, e70-e88.	5.6	1,812
2	An Official American Thoracic Society Clinical Practice Guideline: Exercise-induced Bronchoconstriction. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 1016-1027.	5.6	461
3	Recommendations for a Standardized Pulmonary Function Report. An Official American Thoracic Society Technical Statement. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1463-1472.	5.6	450
4	ERS/ATS technical standard on interpretive strategies for routine lung function tests. European Respiratory Journal, 2022, 60, 2101499.	6.7	323
5	ERS technical standard on bronchial challenge testing: general considerations and performance of methacholine challenge tests. European Respiratory Journal, 2017, 49, 1601526.	6.7	237
6	Inflammatory Basis of Exercise-induced Bronchoconstriction. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 679-686.	5.6	220
7	Airway epithelial regulation of pulmonary immune homeostasis and inflammation. Clinical Immunology, 2014, 151, 1-15.	3.2	193
8	A phase II randomized placebo-controlled trial of omega-3 fatty acids for the treatment of acute lung injury*. Critical Care Medicine, 2011, 39, 1655-1662.	0.9	189
9	Improved Sensitivity Mass Spectrometric Detection of Eicosanoids by Charge Reversal Derivatization. Analytical Chemistry, 2010, 82, 6790-6796.	6.5	156
10	An update on the role of leukotrienes in asthma. Current Opinion in Allergy and Clinical Immunology, 2010, 10, 60-66.	2.3	139
11	Decreased Fibronectin Production Significantly Contributes to Dysregulated Repair of Asthmatic Epithelium. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 889-898.	5.6	132
12	Genetic pleiotropy between asthma and obesity in a community-based sample of twins. Journal of Allergy and Clinical Immunology, 2005, 116, 1235-1241.	2.9	131
13	Exercise-induced bronchoconstriction update—2016. Journal of Allergy and Clinical Immunology, 2016, 138, 1292-1295.e36.	2.9	125
14	Airway immunopathology of asthma with exercise-induced bronchoconstriction. Journal of Allergy and Clinical Immunology, 2005, 116, 586-593.	2.9	122
15	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. Journal of Allergy and Clinical Immunology, 2016, 137, 390-399.	2.9	119
16	Effectiveness of screening examinations to detect unrecognized exercise-induced bronchoconstriction. Journal of Pediatrics, 2002, 141, 343-349.	1.8	115
17	Secreted Phospholipase A ₂ Group X Overexpression in Asthma and Bronchial Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1072-1078.	5.6	96
18	A thymic stromal lymphopoietin gene variant is associated with asthma and airway hyperresponsiveness. Journal of Allergy and Clinical Immunology, 2009, 124, 222-229.	2.9	95

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19	ERS technical standard on bronchial challenge testing: pathophysiology and methodology of indirect airway challenge testing. <i>European Respiratory Journal</i> , 2018, 52, 1801033.	6.7	94
20	Aerobic Conditioning in Mild Asthma Decreases the Hyperpnea of Exercise and Improves Exercise and Ventilatory Capacity. <i>Chest</i> , 2000, 118, 1460-1469.	0.8	88
21	Filamentous Bacteriophage Produced by <i>Pseudomonas aeruginosa</i> Alters the Inflammatory Response and Promotes Noninvasive Infection <i>In Vivo</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	77
22	Use of Fractional Exhaled Nitric Oxide to Guide the Treatment of Asthma: An Official American Thoracic Society Clinical Practice Guideline. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, e97-e109.	5.6	69
23	Quality of life in adolescents with mild asthma. <i>Pediatric Pulmonology</i> , 2003, 36, 536-543.	2.0	66
24	Transcription Factor p63 Regulates Key Genes and Wound Repair in Human Airway Epithelial Basal Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 978-988.	2.9	62
25	Transglutaminase 2, a Novel Regulator of Eicosanoid Production in Asthma Revealed by Genome-Wide Expression Profiling of Distinct Asthma Phenotypes. <i>PLoS ONE</i> , 2010, 5, e8583.	2.5	59
26	Induced sputum proteome in healthy subjects and asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 1176-1184.e6.	2.9	57
27	Airway epithelium "shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. <i>Journal of Clinical Investigation</i> , 2019, 129, 4979-4991.	8.2	57
28	Role of MUC5AC in the pathogenesis of exercise-induced bronchoconstriction. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 1092-1098.	2.9	56
29	Long-term acquisition of allergen-specific IgE and asthma following allogeneic bone marrow transplantation from allergic donors. <i>Blood</i> , 2004, 104, 3086-3090.	1.4	53
30	Increased density of intraepithelial mast cells in patients with exercise-induced bronchoconstriction regulated through epithelially derived thymic stromal lymphopoietin and IL-33. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1448-1455.	2.9	52
31	Adopting Clean Fuels and Technologies on School Buses. <i>Pollution and Health Impacts in Children</i> . <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1413-1421.	5.6	52
32	Eosinophil Cysteinyl Leukotriene Synthesis Mediated by Exogenous Secreted Phospholipase A2 Group X. <i>Journal of Biological Chemistry</i> , 2010, 285, 41491-41500.	3.4	50
33	New insights into pathogenesis of exercise-induced bronchoconstriction. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2012, 12, 42-48.	2.3	50
34	Restoring Pulmonary and Sleep Services as the COVID-19 Pandemic Lessens. From an Association of Pulmonary, Critical Care, and Sleep Division Directors and American Thoracic Society "coordinated Task Force. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1343-1351.	3.2	47
35	Lung pericyte-like cells are functional interstitial immune sentinel cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L556-L567.	2.9	46
36	Role of leukotrienes in exercise-induced bronchoconstriction. <i>Current Allergy and Asthma Reports</i> , 2009, 9, 18-25.	5.3	44

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37	PKR-dependent CHOP induction limits hyperoxia-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L422-L429.	2.9	42
38	Regulation and Function of Epithelial Secreted Phospholipase A ₂ Group X in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 42-50.	5.6	41
39	Health Care Use and Quality of Life Among Patients with Asthma and Panic Disorder. <i>Journal of Asthma</i> , 2005, 42, 179-184.	1.7	38
40	Disruption of β -catenin/CBP signaling inhibits human airway epithelial "mesenchymal transition and repair. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 68, 59-69.	2.8	37
41	Is allergic disease curable or transferable with allogeneic hematopoietic cell transplantation?. <i>Blood</i> , 2009, 113, 279-290.	1.4	36
42	Interferon response to respiratory syncytial virus by bronchial epithelium from children with asthma is inversely correlated with pulmonary function. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 451-459.	2.9	33
43	Mechanisms and Biomarkers of Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2018, 38, 165-182.	1.9	30
44	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. <i>JCI Insight</i> , 2017, 2, .	5.0	29
45	Identification of Epithelial Phospholipase A ₂ Receptor 1 as a Potential Target in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 825-836.	2.9	28
46	Epithelial-interleukin-1 inhibits collagen formation by airway fibroblasts: Implications for asthma. <i>Scientific Reports</i> , 2020, 10, 8721.	3.3	28
47	Peripheral Blood Manifestations of TH2 Lymphocyte Activation in Stable Atopic Asthma and During Exercise-Induced Bronchospasm. <i>Annals of Allergy, Asthma and Immunology</i> , 1998, 80, 424-432.	1.0	25
48	Role of Cells and Mediators in Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2013, 33, 313-328.	1.9	25
49	Health Care Use and Quality of Life Among Patients with Asthma and Panic Disorder. <i>Journal of Asthma</i> , 2005, 42, 179-184.	1.7	24
50	Epigenetic modifying enzyme expression in asthmatic airway epithelial cells and fibroblasts. <i>BMC Pulmonary Medicine</i> , 2017, 17, 24.	2.0	23
51	Improving Screening and Diagnosis of Exercise-Induced Bronchoconstriction: A Call to Action. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2014, 2, 275-280.e7.	3.8	22
52	Endogenous secreted phospholipase A ₂ group X regulates cysteinyl leukotrienes synthesis by human eosinophils. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 268-277.e8.	2.9	22
53	Fellows as Teachers. <i>Chest</i> , 2005, 128, 401-406.	0.8	21
54	Methods to improve measurement of cysteinyl leukotrienes in exhaled breath condensate from subjects with asthma and healthy controls. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1216-1217.	2.9	20

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55	Epithelial regulation of eicosanoid production in asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2012, 25, 432-437.	2.6	19
56	Function of secreted phospholipase A2 group-X in asthma and allergic disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 827-837.	2.4	19
57	Location of eosinophils in the airway wall is critical for specific features of airway hyperresponsiveness and T2 inflammation in asthma. <i>European Respiratory Journal</i> , 2022, 60, 2101865.	6.7	18
58	Effects of Bronchoconstriction, Minute Ventilation, and Deep Inspiration on the Composition of Exhaled Breath Condensate. <i>Chest</i> , 2011, 139, 16-22.	0.8	17
59	Effects of Asthma and Human Rhinovirus A16 on the Expression of SARS-CoV-2 Entry Factors in Human Airway Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 859-863.	2.9	17
60	Leukotriene modifiers. <i>Medical Clinics of North America</i> , 2002, 86, 1009-1033.	2.5	15
61	Bronchoalveolar fluid and plasma inflammatory biomarkers in contemporary ARDS patients. <i>Biomarkers</i> , 2019, 24, 352-359.	1.9	14
62	A halotyrosine antibody that detects increased protein modifications in asthma patients. <i>Journal of Immunological Methods</i> , 2014, 403, 17-25.	1.4	13
63	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. <i>Toxicology and Applied Pharmacology</i> , 2019, 368, 55-62.	2.8	13
64	Airway epithelial interferon response to SARS-CoV-2 is inferior to rhinovirus and heterologous rhinovirus infection suppresses SARS-CoV-2 replication. <i>Scientific Reports</i> , 2022, 12, 6972.	3.3	12
65	Exercise-induced Bronchoconstriction. <i>Annals of the American Thoracic Society</i> , 2014, 11, 1651-1652.	3.2	10
66	Secreted Phospholipase A2 Group X Acts as an Adjuvant for Type 2 Inflammation, Leading to an Allergen-Specific Immune Response in the Lung. <i>Journal of Immunology</i> , 2020, 204, 3097-3107.	0.8	9
67	Rhodococcus fascians infection after haematopoietic cell transplantation: not just a plant pathogen?. <i>JMM Case Reports</i> , 2016, 3, e005025.	1.3	9
68	Initial test of the Seattle Asthma Severity and Control Questionnaire: a multidimensional assessment of asthma severity and control. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, 225-232.	1.0	8
69	The evolving role of intravenous leukotriene modifiers in acute asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 381-382.	2.9	8
70	Characterizing Nebulizer Performance for Methacholine Challenge Tests. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 988-990.	5.6	8
71	Exploring the origin and regulatory role of mast cells in asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2021, 21, 71-78.	2.3	8
72	The role of allergy in manifestations of respiratory disease in adult cystic fibrosis. <i>Annals of Allergy, Asthma and Immunology</i> , 2004, 92, 228-233.	1.0	7

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73	Safety of Sputum Induction With Hypertonic Saline Solution in Exercise-Induced Bronchoconstriction. <i>Chest</i> , 2007, 131, 1339-1344.	0.8	7
74	Where to from Here for Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2013, 33, 423-442.	1.9	7
75	Function of the Airway Epithelium in Asthma. <i>Journal of Allergy</i> , 2012, 2012, 1-2.	0.7	5
76	The Use of Quantitative Digital Pathology to Measure Proteoglycan and Glycosaminoglycan Expression and Accumulation in Healthy and Diseased Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 137-155.	2.5	5
77	Exercise-induced alterations in phospholipid hydrolysis, airway surfactant, and eicosanoids and their role in airway hyperresponsiveness in asthma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L705-L714.	2.9	5
78	The Intricate Web of Phospholipase A2s and Specific Features of Airway Hyperresponsiveness in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 543-545.	2.9	2
79	Practical management of acute asthma in adults. <i>Respiratory Care</i> , 2002, 47, 171-82.	1.6	2
80	Approach to the Patient with Exercise-Induced Bronchoconstriction. , 2014, , 938-950.		1
81	Bridging the Gap: Merging Clinical and Inflammatory Phenotypes with Epithelial Gene Expression Profiles in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1333-1336.	5.6	0
82	Measurement of Airway Responsiveness. <i>Respiratory Medicine</i> , 2018, , 171-195.	0.1	0