Teal S Hallstrand

List of Publications by Year
in descending order

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	Location of eosinophils in the airway wall is critical for specific features of airway hyperresponsiveness and T2 inflammation in asthma. European Respiratory Journal, 2022, 60, 2101865.	6.7	18
2	ERS/ATS technical standard on interpretive strategies for routine lung function tests. European Respiratory Journal, 2022, 60, 2101499.	6.7	323
3	Airway epithelial interferon response to SARS-CoV-2 is inferior to rhinovirus and heterologous rhinovirus infection suppresses SARS-CoV-2 replication. Scientific Reports, 2022, 12, 6972.	3.3	12
4	The Use of Quantitative Digital Pathology to Measure Proteoglycan and Glycosaminoglycan Expression and Accumulation in Healthy and Diseased Tissues. Journal of Histochemistry and Cytochemistry, 2021, 69, 137-155.	2.5	5
5	Exercise-induced alterations in phospholipid hydrolysis, airway surfactant, and eicosanoids and their role in airway hyperresponsiveness in asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L705-L714.	2.9	5
6	Exploring the origin and regulatory role of mast cells in asthma. Current Opinion in Allergy and Clinical Immunology, 2021, 21, 71-78.	2.3	8
7	Use of Fractional Exhaled Nitric Oxide to Guide the Treatment of Asthma: An Official American Thoracic Society Clinical Practice Guideline. American Journal of Respiratory and Critical Care Medicine, 2021, 204, e97-e109.	5.6	69
8	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 Societyâ€“coordinated Task Force. Annals of the American Thoracic Society, 2020, 17, 1343-1351.	3.2	47
9	Effects of Asthma and Human Rhinovirus A16 on the Expression of SARS-CoV-2 Entry Factors in Human Airway Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 859-863.	2.9	17
10	Secreted Phospholipase A2 Group X Acts as an Adjuvant for Type 2 Inflammation, Leading to an Allergen-Specific Immune Response in the Lung. Journal of Immunology, 2020, 204, 3097-3107.	0.8	9
11	Epithelial-interleukin-1 inhibits collagen formation by airway fibroblasts: Implications for asthma. Scientific Reports, 2020, 10, 8721.	3.3	28
12	The Intricate Web of Phospholipase A2s and Specific Features of Airway Hyperresponsiveness in Asthma. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 543-545.	2.9	2
13	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
14	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. Toxicology and Applied Pharmacology, 2019, 368, 55-62.	2.8	13
15	Bronchoalveolar fluid and plasma inflammatory biomarkers in contemporary ARDS patients. Biomarkers, 2019, 24, 352-359.	1.9	14
16	Function of secreted phospholipase A2 group-X in asthma and allergic disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 827-837.	2.4	19
17	Airway epitheliumâ€“shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. Journal of Clinical Investigation, 2019, 129, 4979-4991.	8.2	57
18	Mechanisms and Biomarkers of Exercise-Induced Bronchoconstriction. Immunology and Allergy Clinics of North America, 2018, 38, 165-182.	1.9	30

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19	Interferon response to respiratory syncytial virus by bronchial epithelium from children with asthma is inversely correlated with pulmonary function. Journal of Allergy and Clinical Immunology, 2018, 142, 451-459.	2.9	33
20	Measurement of Airway Responsiveness. Respiratory Medicine, 2018, , 171-195.	0.1	0
21	ERS technical standard on bronchial challenge testing: pathophysiology and methodology of indirect airway challengeÂtesting. European Respiratory Journal, 2018, 52, 1801033.	6.7	94
22	Characterizing Nebulizer Performance for Methacholine Challenge Tests. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 988-990.	5.6	8
23	Epigenetic modifying enzyme expression in asthmatic airway epithelial cells and fibroblasts. BMC Pulmonary Medicine, 2017, 17, 24.	2.0	23
24	Lung pericyte-like cells are functional interstitial immune sentinel cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L556-L567.	2.9	46
25	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
26	Filamentous Bacteriophage Produced by Pseudomonas aeruginosa Alters the Inflammatory Response and Promotes Noninvasive InfectionIn Vivo. Infection and Immunity, 2017, 85, .	2.2	77
27	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. JCI Insight, 2017, 2, .	5.0	29
28	ERS technical standard on bronchial challenge testing: general considerations and performance of methacholine challenge tests. European Respiratory Journal, 2017, 49, 1601526.	6.7	237
29	Exercise-induced bronchoconstriction updateâ€"2016. Journal of Allergy and Clinical Immunology, 2016, 138, 1292-1295.e36.	2.9	125
30	Identification of Epithelial Phospholipase A₂ Receptor 1 as a Potential Target in Asthma. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 825-836.	2.9	28
31	Endogenous secreted phospholipase A 2 group X regulates cysteinyl leukotrienes synthesis by human eosinophils. Journal of Allergy and Clinical Immunology, 2016, 137, 268-277.e8.	2.9	22
32	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. Journal of Allergy and Clinical Immunology, 2016, 137, 390-399.	2.9	119
33	Rhodococcus fascians infection after haematopoietic cell transplantation: not just a plant pathogen?. JMM Case Reports, 2016, 3, e005025.	1.3	9
34	Adopting Clean Fuels and Technologies on School Buses. Pollution and Health Impacts in Children. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1413-1421.	5.6	52
35	Disruption of Î²-catenin/CBP signaling inhibits human airway epithelialâ€"mesenchymal transition and repair. International Journal of Biochemistry and Cell Biology, 2015, 68, 59-69.	2.8	37
36	Exercise-induced Bronchoconstriction. Annals of the American Thoracic Society, 2014, 11, 1651-1652.	3.2	10

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37	Bridging the Gap: Merging Clinical and Inflammatory Phenotypes with Epithelial Gene Expression Profiles in Asthma. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1333-1336.	5.6	0
38	Increased density of intraepithelial mast cells in patients with exercise-induced bronchoconstriction regulated through epithelially derived thymic stromal lymphopoietin and IL-33. Journal of Allergy and Clinical Immunology, 2014, 133, 1448-1455.	2.9	52
39	Airway epithelial regulation of pulmonary immune homeostasis and inflammation. Clinical Immunology, 2014, 151, 1-15.	3.2	193
40	Improving Screening and Diagnosis of Exercise-Induced Bronchoconstriction: A Call to Action. Journal of Allergy and Clinical Immunology: in Practice, 2014, 2, 275-280.e7.	3.8	22
41	A halotyrosine antibody that detects increased protein modifications in asthma patients. Journal of Immunological Methods, 2014, 403, 17-25.	1.4	13
42	Approach to the Patient with Exercise-Induced Bronchoconstriction. , 2014, , 938-950.		1
43	Transcription Factor p63 Regulates Key Genes and Wound Repair in Human Airway Epithelial Basal Cells. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 978-988.	2.9	62
44	Where to from Here for Exercise-Induced Bronchoconstriction. Immunology and Allergy Clinics of North America, 2013, 33, 423-442.	1.9	7
45	Role of Cells and Mediators in Exercise-Induced Bronchoconstriction. Immunology and Allergy Clinics of North America, 2013, 33, 313-328.	1.9	25
46	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
47	Regulation and Function of Epithelial Secreted Phospholipase A₂ Group X in Asthma. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 42-50.	5.6	41
48	Function of the Airway Epithelium in Asthma. Journal of Allergy, 2012, 2012, 1-2.	0.7	5
49	New insights into pathogenesis of exercise-induced bronchoconstriction. Current Opinion in Allergy and Clinical Immunology, 2012, 12, 42-48.	2.3	50
50	Epithelial regulation of eicosanoid production in asthma. Pulmonary Pharmacology and Therapeutics, 2012, 25, 432-437.	2.6	19
51	Induced sputum proteome in healthy subjects and asthmatic patients. Journal of Allergy and Clinical Immunology, 2011, 128, 1176-1184.e6.	2.9	57
52	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
53	Effects of Bronchoconstriction, Minute Ventilation, and Deep Inspiration on the Composition of Exhaled Breath Condensate. Chest, 2011, 139, 16-22.	0.8	17
54	PKR-dependent CHOP induction limits hyperoxia-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L422-L429.	2.9	42

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55	Transglutaminase 2, a Novel Regulator of Eicosanoid Production in Asthma Revealed by Genome-Wide Expression Profiling of Distinct Asthma Phenotypes. PLoS ONE, 2010, 5, e8583.	2.5	59
56	An update on the role of leukotrienes in asthma. Current Opinion in Allergy and Clinical Immunology, 2010, 10, 60-66.	2.3	139
57	Eosinophil Cysteinyl Leukotriene Synthesis Mediated by Exogenous Secreted Phospholipase A2 Group X. Journal of Biological Chemistry, 2010, 285, 41491-41500.	3.4	50
58	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
59	The evolving role of intravenous leukotriene modifiers in acute asthma. Journal of Allergy and Clinical Immunology, 2010, 125, 381-382.	2.9	8
60	Improved Sensitivity Mass Spectrometric Detection of Eicosanoids by Charge Reversal Derivatization. Analytical Chemistry, 2010, 82, 6790-6796.	6.5	156
61	Role of leukotrienes in exercise-induced bronchoconstriction. Current Allergy and Asthma Reports, 2009, 9, 18-25.	5.3	44
62	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
63	Initial test of the Seattle Asthma Severity and Control Questionnaire: a multidimensional assessment of asthma severity and control. Annals of Allergy, Asthma and Immunology, 2009, 103, 225-232.	1.0	8
64	Is allergic disease curable or transferable with allogeneic hematopoietic cell transplantation?. Blood, 2009, 113, 279-290.	1.4	36
65	Safety of Sputum Induction With Hypertonic Saline Solution in Exercise-Induced Bronchoconstriction. Chest, 2007, 131, 1339-1344.	0.8	7
66	Secreted Phospholipase A₂Group X Overexpression in Asthma and Bronchial Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1072-1078.	5.6	96
67	Role of MUC5AC in the pathogenesis of exercise-induced bronchoconstriction. Journal of Allergy and Clinical Immunology, 2007, 119, 1092-1098.	2.9	56
68	Methods to improve measurement of cysteinyl leukotrienes in exhaled breath condensate from subjects with asthma and healthy controls. Journal of Allergy and Clinical Immunology, 2007, 120, 1216-1217.	2.9	20
69	Fellows as Teachers. Chest, 2005, 128, 401-406.	0.8	21
70	Health Care Use and Quality of Life Among Patients with Asthma and Panic Disorder. Journal of Asthma, 2005, 42, 179-184.	1.7	24
71	Inflammatory Basis of Exercise-induced Bronchoconstriction. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 679-686.	5.6	220
72	Health Care Use and Quality of Life Among Patients with Asthma and Panic Disorder. Journal of Asthma, 2005, 42, 179-184.	1.7	38

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73	Airway immunopathology of asthma with exercise-induced bronchoconstriction. Journal of Allergy and Clinical Immunology, 2005, 116, 586-593.	2.9	122
74	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
75	The role of allergy in manifestations of respiratory disease in adult cystic fibrosis. Annals of Allergy, Asthma and Immunology, 2004, 92, 228-233.	1.0	7
76	Long-term acquisition of allergen-specific IgE and asthma following allogeneic bone marrow transplantation from allergic donors. Blood, 2004, 104, 3086-3090.	1.4	53
77	Quality of life in adolescents with mild asthma. Pediatric Pulmonology, 2003, 36, 536-543.	2.0	66
78	Effectiveness of screening examinations to detect unrecognized exercise-induced bronchoconstriction. Journal of Pediatrics, 2002, 141, 343-349.	1.8	115
79	Leukotriene modifiers. Medical Clinics of North America, 2002, 86, 1009-1033.	2.5	15
80	Practical management of acute asthma in adults. Respiratory Care, 2002, 47, 171-82.	1.6	2
81	Aerobic Conditioning in Mild Asthma Decreases the Hyperpnea of Exercise and Improves Exercise and Ventilatory Capacity. Chest, 2000, 118, 1460-1469.	0.8	88
82	Peripheral Blood Manifestations of TH2 Lymphocyte Activation in Stable Atopic Asthma and During Exercise-Induced Bronchospasm. Annals of Allergy, Asthma and Immunology, 1998, 80, 424-432.	1.0	25