

Teal S Hallstrand

List of Publications by Citations

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78
papers

4,359
citations

33
h-index

65
g-index

82
ext. papers

5,657
ext. citations

5.2
avg. IF

5.26
L-index

#	Paper	IF	Citations
78	Standardization of Spirometry 2019 Update. An Official American Thoracic Society and European Respiratory Society Technical Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, e70-e88	10.2	719
77	An official American Thoracic Society clinical practice guideline: exercise-induced bronchoconstriction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 1016-27	10.2	343
76	Recommendations for a Standardized Pulmonary Function Report. An Official American Thoracic Society Technical Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 1463-1472	10.2	278
75	Inflammatory basis of exercise-induced bronchoconstriction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 679-86	10.2	193
74	Airway epithelial regulation of pulmonary immune homeostasis and inflammation. <i>Clinical Immunology</i> , 2014 , 151, 1-15	9	157
73	A phase II randomized placebo-controlled trial of omega-3 fatty acids for the treatment of acute lung injury. <i>Critical Care Medicine</i> , 2011 , 39, 1655-62	1.4	154
72	ERS technical standard on bronchial challenge testing: general considerations and performance of methacholine challenge tests. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	144
71	Improved sensitivity mass spectrometric detection of eicosanoids by charge reversal derivatization. <i>Analytical Chemistry</i> , 2010 , 82, 6790-6	7.8	130
70	An update on the role of leukotrienes in asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2010 , 10, 60-6	3.3	112
69	Airway immunopathology of asthma with exercise-induced bronchoconstriction. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 586-93	11.5	110
68	Decreased fibronectin production significantly contributes to dysregulated repair of asthmatic epithelium. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 889-98	10.2	106
67	Effectiveness of screening examinations to detect unrecognized exercise-induced bronchoconstriction. <i>Journal of Pediatrics</i> , 2002 , 141, 343-8	3.6	105
66	Genetic pleiotropy between asthma and obesity in a community-based sample of twins. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 1235-41	11.5	100
65	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 390-9	11.5	97
64	Secreted phospholipase A2 group X overexpression in asthma and bronchial hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 1072-8	10.2	86
63	Exercise-induced bronchoconstriction update-2016. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1292-1295.e36	11.5	85
62	A thymic stromal lymphopoietin gene variant is associated with asthma and airway hyperresponsiveness. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 222-9	11.5	79

61	Aerobic conditioning in mild asthma decreases the hyperpnea of exercise and improves exercise and ventilatory capacity. <i>Chest</i> , 2000 , 118, 1460-9	5.3	75
60	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	3.7	55
59	Quality of life in adolescents with mild asthma. <i>Pediatric Pulmonology</i> , 2003 , 36, 536-43	3.5	55
58	Role of MUC5AC in the pathogenesis of exercise-induced bronchoconstriction. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 119, 1092-8	11.5	52
57	Filamentous Bacteriophage Produced by <i>Pseudomonas aeruginosa</i> Alters the Inflammatory Response and Promotes Noninvasive Infection In Vivo. <i>Infection and Immunity</i> , 2017 , 85,	3.7	49
56	Long-term acquisition of allergen-specific IgE and asthma following allogeneic bone marrow transplantation from allergic donors. <i>Blood</i> , 2004 , 104, 3086-90	2.2	46
55	ERS technical standard on bronchial challenge testing: pathophysiology and methodology of indirect airway challenge testing. <i>European Respiratory Journal</i> , 2018 , 52,	13.6	46
54	Induced sputum proteome in healthy subjects and asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 1176-1184.e6	11.5	45
53	New insights into pathogenesis of exercise-induced bronchoconstriction. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2012 , 12, 42-8	3.3	44
52	Eosinophil cysteinyl leukotriene synthesis mediated by exogenous secreted phospholipase A2 group X. <i>Journal of Biological Chemistry</i> , 2010 , 285, 41491-500	5.4	43
51	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, 1448-55	11.5	41
50	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, 978-88	5.7	40
49	Role of leukotrienes in exercise-induced bronchoconstriction. <i>Current Allergy and Asthma Reports</i> , 2009 , 9, 18-25	5.6	39
48	PKR-dependent CHOP induction limits hyperoxia-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L422-9	5.8	39
47	Health Care Use and Quality of Life Among Patients with Asthma and Panic Disorder. <i>Journal of Asthma</i> , 2005 , 42, 179-184	1.9	34
46	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	5.8	33
45	Regulation and function of epithelial secreted phospholipase A2 group X in asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 42-50	10.2	33
44	Is allergic disease curable or transferable with allogeneic hematopoietic cell transplantation?. <i>Blood</i> , 2009 , 113, 279-90	2.2	32

43	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	4.7	32
42	Adopting Clean Fuels and Technologies on School Buses. Pollution and Health Impacts in Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 1413-21	10.2	31
41	Disruption of Eatenin/CBP signaling inhibits human airway epithelial-mesenchymal transition and repair. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 68, 59-69	5.6	31
40	Airway epithelium-shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4979-4991	15.9	28
39	Health care use and quality of life among patients with asthma and panic disorder. <i>Journal of Asthma</i> , 2005 , 42, 179-84	1.9	23
38	Mechanisms and Biomarkers of Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2018 , 38, 165-182	3.3	22
37	Role of cells and mediators in exercise-induced bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2013 , 33, 313-28, vii	3.3	22
36	Peripheral blood manifestations of T(H)2 lymphocyte activation in stable atopic asthma and during exercise-induced bronchospasm. <i>Annals of Allergy, Asthma and Immunology</i> , 1998 , 80, 424-32	3.2	22
35	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. <i>JCI Insight</i> , 2017 , 2,	9.9	21
34	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	11.5	20
33	Identification of Epithelial Phospholipase A Receptor 1 as a Potential Target in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 825-836	5.7	19
32	Epithelial regulation of eicosanoid production in asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2012 , 25, 432-7	3.5	19
31	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, 1216-7	11.5	19
30	Fellows as teachers: the teacher-assistant experience during pulmonary subspecialty training. <i>Chest</i> , 2005 , 128, 401-6	5.3	19
29	ERS/ATS technical standard on interpretive strategies for routine lung function tests.. <i>European Respiratory Journal</i> , 2021 ,	13.6	19
28	Endogenous secreted phospholipase A2 group X regulates cysteinyl leukotrienes synthesis by human eosinophils. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 268-277.e8	11.5	16
27	Effects of bronchoconstriction, minute ventilation, and deep inspiration on the composition of exhaled breath condensate. <i>Chest</i> , 2011 , 139, 16-22	5.3	16
26	Epigenetic modifying enzyme expression in asthmatic airway epithelial cells and fibroblasts. <i>BMC Pulmonary Medicine</i> , 2017 , 17, 24	3.5	14

25	Improving screening and diagnosis of exercise-induced bronchoconstriction: a call to action. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2014 , 2, 275-80.e7	5.4	14
24	Leukotriene modifiers. <i>Medical Clinics of North America</i> , 2002 , 86, 1009-33, vi	7	13
23	Function of secreted phospholipase A group-X in asthma and allergic disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 827-837	5	12
22	A halotyrosine antibody that detects increased protein modifications in asthma patients. <i>Journal of Immunological Methods</i> , 2014 , 403, 17-25	2.5	11
21	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	5.7	11
20	Bronchoalveolar fluid and plasma inflammatory biomarkers in contemporary ARDS patients. <i>Biomarkers</i> , 2019 , 24, 352-359	2.6	11
19	Epithelial-interleukin-1 inhibits collagen formation by airway fibroblasts: Implications for asthma. <i>Scientific Reports</i> , 2020 , 10, 8721	4.9	10
18	Exercise-induced bronchoconstriction. <i>Annals of the American Thoracic Society</i> , 2014 , 11, 1651-2	4.7	10
17	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. <i>Toxicology and Applied Pharmacology</i> , 2019 , 368, 55-62	4.6	9
16	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, 225-32	3.2	7
15	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	10.2	7
14	Where to from here for exercise-induced bronchoconstriction: the unanswered questions. <i>Immunology and Allergy Clinics of North America</i> , 2013 , 33, 423-42, ix	3.3	5
13	Function of the airway epithelium in asthma. <i>Journal of Allergy</i> , 2012 , 2012, 160586		5
12	Safety of sputum induction with hypertonic saline solution in exercise-induced bronchoconstriction. <i>Chest</i> , 2007 , 131, 1339-44	5.3	5
11	infection after haematopoietic cell transplantation: not just a plant pathogen?. <i>JMM Case Reports</i> , 2016 , 3, e005025	0.5	5
10	The role of allergy in manifestations of respiratory disease in adult cystic fibrosis. <i>Annals of Allergy, Asthma and Immunology</i> , 2004 , 92, 228-33	3.2	4
9	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	3.4	3
8	Secreted Phospholipase A 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	5.3	2

7	The Intricate Web of Phospholipase As and Specific Features of Airway Hyperresponsiveness in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 543-545	5.7	2
6	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	5.8	2
5	Exploring the origin and regulatory role of mast cells in asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2021 , 21, 71-78	3.3	1
4	Approach to the Patient with Exercise-Induced Bronchoconstriction 2014 , 938-950		1
3	Practical management of acute asthma in adults. <i>Respiratory Care</i> , 2002 , 47, 171-82	2.1	1
2	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	4.9	1
1	Measurement of Airway Responsiveness. <i>Respiratory Medicine</i> , 2018 , 171-195	0.2	