William A Altemeier

List of Publications by Year in Descending Order

74 papers	2,877 citations	29 h-index	52 g-index
81 ext. papers	3,337 ext. citations	5.7 avg, IF	4.82 L-index

#	Paper	IF	Citations
74	Type I Interferon Signaling Increases Versican Expression and Synthesis in Lung Stromal Cells During Influenza Infection. *Journal of Histochemistry and Cytochemistry*, **2021**, 69, 691-709	3.4	0
73	Pericyte-like cells undergo transcriptional reprogramming and distinct functional adaptations in acute lung injury. *FASEB Journal*, **2021**, 35, e21323	0.9	0
72	The effects of gene □environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1708	9.2	1
71	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	5.8	2
70	Secreted Phospholipase A 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	5.3	2
69	The effects of genotype □phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. *Nanotoxicology*, **2020**, 14, 908-928	5.3	1
68	The Intricate Web of Phospholipase As and Specific Features of Airway Hyperresponsiveness in Asthma. *American Journal of Respiratory Cell and Molecular Biology*, **2020**, 63, 543-545	5.7	2
67	Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. *Scientific Reports*, **2020**, 10, 10397	4.9	6
66	Evaluation of Nutritional Gel Supplementation in C57BL/6J Mice Infected with Mouse-Adapted Influenza A/PR/8/34 Virus. *Comparative Medicine*, **2020**, 70, 471-486	1.6	1
65	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	5.7	11
64	The Effects of Genotype □Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. *Toxicological Sciences*, **2020**, 173, 131-143	4.4	3
63	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. *Toxicology and Applied Pharmacology*, **2019**, 368, 55-62	4.6	9
62	The Effects of Gene □Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. *Chemical Research in Toxicology*, **2019**, 32, 952-968	4	3
61	Airway epithelium-shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. *Journal of Clinical Investigation*, **2019**, 129, 4979-4991	15.9	28
60	Function of secreted phospholipase A group-X in asthma and allergic disease. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 827-837	5	12
59	Matrix metalloproteinase 28 is regulated by TRIF- and type I IFN-dependent signaling in macrophages. *Innate Immunity*, **2018**, 24, 357-365	2.7	5
58	Quantum dot induced acute changes in lung mechanics are mouse strain dependent. *Inhalation Toxicology*, **2018**, 30, 397-403	2.7	7

57	Neutrophil extracellular traps (NETs) are increased in the alveolar spaces of patients with ventilator-associated pneumonia. *Critical Care*, **2018**, 22, 358	10.8	66
56	Matrix Metalloproteinase-28 Is a Key Contributor to Emphysema Pathogenesis. *American Journal of Pathology*, **2017**, 187, 1288-1300	5.8	16
55	Lung pericyte-like cells are functional interstitial immune sentinel cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 312, L556-L567	5.8	33
54	Ablation of Pericyte-Like Cells in Lungs by Oropharyngeal Aspiration of Diphtheria Toxin. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 160-167	5.7	5
53	Versican is produced by Trif- and type I interferon-dependent signaling in macrophages and contributes to fine control of innate immunity in lungs. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L1069-L1086	5.8	31
52	Genetic determinants of susceptibility to silver nanoparticle-induced acute lung inflammation in mice. *FASEB Journal*, **2017**, 31, 4600-4611	0.9	17
51	Modified High-Molecular-Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 109-120	5.7	17
50	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. *JCI Insight*, **2017**, 2,	9.9	21
49	Mouse Models of Acute Lung Injury. *Respiratory Medicine*, **2017**, 5-23	0.2	4
48	Transgenic Animal Models in Lung Research. *Respiratory Medicine*, **2017**, 25-38	0.2	
47	Pericyte MyD88 and IRAK4 control inflammatory and fibrotic responses to tissue injury. *Journal of Clinical Investigation*, **2017**, 127, 321-334	15.9	82
46	Identification of Epithelial Phospholipase A Receptor 1 as a Potential Target in Asthma. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 55, 825-836	5.7	19
45	Endogenous secreted phospholipase A2 group X regulates cysteinyl leukotrienes synthesis by human eosinophils. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 268-277.e8	11.5	16
44	Interleukin-2-Dependent Allergen-Specific Tissue-Resident Memory Cells Drive Asthma. *Immunity*, **2016**, 44, 155-166	32.3	160
43	SYSTEM-WIDE MAPPING OF ACTIVATED CIRCUITRY IN EXPERIMENTAL SYSTEMIC INFLAMMATORY RESPONSE SYNDROME. *Shock*, **2016**, 45, 148-56	3.4	6
42	The pulmonary inflammatory response to multiwalled carbon nanotubes is influenced by gender and glutathione synthesis. *Redox Biology*, **2016**, 9, 264-275	11.3	11
41	CYR61 (CCN1) overexpression induces lung injury in mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 308, L759-65	5.8	23
40	Management of Acute Myeloid Leukemia in the Intensive Care Setting. *Journal of Intensive Care Medicine*, **2015**, 30, 375-84	3.3	5

39	Experimental acute lung injury induces multi-organ epigenetic modifications in key angiogenic genes implicated in sepsis-associated endothelial dysfunction. *Critical Care*, **2015**, 19, 225	10.8	30
38	Airway epithelial regulation of pulmonary immune homeostasis and inflammation. *Clinical Immunology*, **2014**, 151, 1-15	9	157
37	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, 1448-55	11.5	41
36	Role of lung pericytes and resident fibroblasts in the pathogenesis of pulmonary fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 820-30	10.2	250
35	Role of cells and mediators in exercise-induced bronchoconstriction. *Immunology and Allergy Clinics of North America*, **2013**, 33, 313-28, vii	3.3	22
34	Regulation and function of epithelial secreted phospholipase A2 group X in asthma. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 42-50	10.2	33
33	Matrix metalloproteinase-7 coordinates airway epithelial injury response and differentiation of ciliated cells. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 48, 390-6	5.7	29
32	Ischemia-reperfusion lung injury is attenuated in MyD88-deficient mice. *PLoS ONE*, **2013**, 8, e77123	3.7	20
31	TLR-2/TLR-4 TREM-1 signaling pathway is dispensable in inflammatory myeloid cells during sterile kidney injury. *PLoS ONE*, **2013**, 8, e68640	3.7	36
30	Epithelial regulation of eicosanoid production in asthma. *Pulmonary Pharmacology and Therapeutics* , **2012**, 25, 432-7	3.5	19
29	Fas-deficient mice have impaired alveolar neutrophil recruitment and decreased expression of anti-KC autoantibody:KC complexes in a model of acute lung injury. *Respiratory Research*, **2012**, 13, 91	7.3	4
28	Syndecan-1 controls cell migration by activating Rap1 to regulate focal adhesion disassembly. *Journal of Cell Science*, **2012**, 125, 5188-95	5.3	22
27	Lipopolysaccharide-induced lung injury is independent of serum vitamin D concentration. *PLoS ONE* , **2012**, 7, e49076	3.7	10
26	Transmembrane and extracellular domains of syndecan-1 have distinct functions in regulating lung epithelial migration and adhesion. *Journal of Biological Chemistry*, **2012**, 287, 34927-34935	5.4	26
25	Role of urokinase plasminogen activator receptor-associated protein in mouse lung. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 46, 233-9	5.7	34
24	Fas activation in alveolar epithelial cells induces KC (CXCL1) release by a MyD88-dependent mechanism. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 45, 650-8	5.7	21
23	Role of the Fas/FasL system in a model of RSV infection in mechanically ventilated mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2011**, 301, L451-60	5.8	14
22	PKR-dependent CHOP induction limits hyperoxia-induced lung injury. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2011**, 300, L422-9	5.8	39

21	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	3.7	55
20	Eosinophil cysteinyl leukotriene synthesis mediated by exogenous secreted phospholipase A2 group X. *Journal of Biological Chemistry*, **2010**, 285, 41491-500	5.4	43
19	Spatial distribution of sequential ventilation during mechanical ventilation of the uninjured lung: an argument for cyclical airway collapse and expansion. *BMC Pulmonary Medicine*, **2010**, 10, 25	3.5	6
18	Mechanical ventilation modulates Toll-like receptor-3-induced lung inflammation via a MyD88-dependent, TLR4-independent pathway: a controlled animal study. *BMC Pulmonary Medicine*, **2010**, 10, 57	3.5	23
17	Positive end-expiratory pressure alters the severity and spatial heterogeneity of ventilator-induced lung injury: an argument for cyclical airway collapse. *Journal of Critical Care*, **2009**, 24, 206-11	4	26
16	Noninjurious mechanical ventilation activates a proinflammatory transcriptional program in the lung. *Physiological Genomics*, **2009**, 37, 239-48	3.6	36
15	Fas (CD95) induces macrophage proinflammatory chemokine production via a MyD88-dependent, caspase-independent pathway. *Journal of Leukocyte Biology*, **2007**, 82, 721-8	6.5	33
14	Hyperoxia in the intensive care unit: why more is not always better. *Current Opinion in Critical Care*, **2007**, 13, 73-8	3.5	147
13	Computational identification of key biological modules and transcription factors in acute lung injury. *American Journal of Respiratory and Critical Care Medicine*, **2006**, 173, 653-8	10.2	45
12	Mechanical ventilation interacts with endotoxemia to induce extrapulmonary organ dysfunction. *Critical Care*, **2006**, 10, R136	10.8	57
11	Mechanical ventilation induces inflammation, lung injury, and extra-pulmonary organ dysfunction in experimental pneumonia. *Laboratory Investigation*, **2006**, 86, 790-9	5.9	104
10	Modulation of lipopolysaccharide-induced gene transcription and promotion of lung injury by mechanical ventilation. *Journal of Immunology*, **2005**, 175, 3369-76	5.3	146
9	Effect of posture on regional gas exchange in pigs. *Journal of Applied Physiology*, **2004**, 97, 2104-11	3.7	38
8	Mechanical ventilation with moderate tidal volumes synergistically increases lung cytokine response to systemic endotoxin. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 287, L533-42	5.8	128
7	Augmented lung injury due to interaction between hyperoxia and mechanical ventilation. *Critical Care Medicine*, **2004**, 32, 2496-501	1.4	176
6	Physiological implications of the fractal distribution of ventilation and perfusion in the lung. *Annals of Biomedical Engineering*, **2000**, 28, 1028-31	4.7	26
5	Regional ventilation-perfusion distribution is more uniform in the prone position. *Journal of Applied Physiology*, **2000**, 88, 1076-83	3.7	154
4	Fractal nature of regional ventilation distribution. *Journal of Applied Physiology*, **2000**, 88, 1551-7	3.7	92

3	Pseudomonal pericarditis complicating cystic fibrosis. *Pediatric Pulmonology*, **1999**, 27, 62-4	3.5	7
2	Pulmonary gas-exchange analysis by using simultaneous deposition of aerosolized and injected microspheres. *Journal of Applied Physiology*, **1998**, 85, 2344-51	3.7	54
1	Pulmonary embolization causes hypoxemia by redistributing regional blood flow without changing ventilation. *Journal of Applied Physiology*, **1998**, 85, 2337-43	3.7	44