William A Altemeier

List of Publications by Year
in descending order

79 papers	3,682 citations	136950 32 h-index	133252 59 g-index
81 all docs	81 docs citations	81 times ranked	5230 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	Endothelialâ€derived von Willebrand factor accelerates fibrin clotting within engineered microvessels. Journal of Thrombosis and Haemostasis, 2022, 20, 1627-1637.	3.8	4
3	Effect of lung pericyte-like cell ablation on the bleomycin model of injury and repair. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L607-L616.	2.9	5
4	Defining the versican interactome in lung health and disease. American Journal of Physiology - Cell Physiology, 2022, 323, C249-C276.	4.6	6
5	Pericyteâ€like cells undergo transcriptional reprogramming and distinct functional adaptations in acute lung injury. FASEB Journal, 2021, 35, e21323.	0.5	4
6	The effects of gene Ã— environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1708.	6.1	1
7	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
8	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.	2.5	7
9	The Effects of Genotype Ã— Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. Toxicological Sciences, 2020, 173, 131-143.	3.1	4
10	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
11	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
12	The effects of genotypeâ€‰Ã—â€‰phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. Nanotoxicology, 2020, 14, 908-928.	3.0	1
13	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
14	Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. Scientific Reports, 2020, 10, 10397.	3.3	10
15	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.	1.0	5
16	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. Toxicology and Applied Pharmacology, 2019, 368, 55-62.	2.8	13
17	The Effects of Gene Ã— Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. Chemical Research in Toxicology, 2019, 32, 952-968.	3.3	5
18	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

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19	Airway epitheliumâ€“shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. Journal of Clinical Investigation, 2019, 129, 4979-4991.	8.2	57
20	Quantum dot induced acute changes in lung mechanics are mouse strain dependent. Inhalation Toxicology, 2018, 30, 397-403.	1.6	12
21	Neutrophil extracellular traps (NETs) are increased in the alveolar spaces of patients with ventilator-associated pneumonia. Critical Care, 2018, 22, 358.	5.8	109
22	Matrix metalloproteinase 28 is regulated by TRIF- and type I IFN-dependent signaling in macrophages. Innate Immunity, 2018, 24, 357-365.	2.4	11
23	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.	2.9	9
24	Matrix Metalloproteinase-28 Is a Key Contributor to Emphysema Pathogenesis. American Journal of Pathology, 2017, 187, 1288-1300.	3.8	25
25	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
26	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.	2.9	50
27	Genetic determinants of susceptibility to silver nanoparticleâ€induced acute lung inflammation in mice. FASEB Journal, 2017, 31, 4600-4611.	0.5	28
28	Modified High-Molecular-Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 109-120.	2.9	30
29	Mouse Models of Acute Lung Injury. Respiratory Medicine, 2017, , 5-23.	0.1	5
30	Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. JCI Insight, 2017, 2, .	5.0	29
31	Transgenic Animal Models in Lung Research. Respiratory Medicine, 2017, , 25-38.	0.1	0
32	Pericyte MyD88 and IRAK4 control inflammatory and fibrotic responses to tissue injury. Journal of Clinical Investigation, 2016, 127, 321-334.	8.2	113
33	System-Wide Mapping of Activated Circuitry in Experimental Systemic Inflammatory Response Syndrome. Shock, 2016, 45, 148-156.	2.1	12
34	The pulmonary inflammatory response to multiwalled carbon nanotubes is influenced by gender and glutathione synthesis. Redox Biology, 2016, 9, 264-275.	9.0	12
35	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
36	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

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37	Interleukin-2-Dependent Allergen-Specific Tissue-Resident Memory Cells Drive Asthma. Immunity, 2016, 44, 155-166.	14.3	223
38	Experimental acute lung injury induces multi-organ epigenetic modifications in key angiogenic genes implicated in sepsis-associated endothelial dysfunction. Critical Care, 2015, 19, 225.	5.8	42
39	CYR61 (CCN1) overexpression induces lung injury in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L759-L765.	2.9	30
40	Management of Acute Myeloid Leukemia in the Intensive Care Setting. Journal of Intensive Care Medicine, 2015, 30, 375-384.	2.8	6
41	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
42	Airway epithelial regulation of pulmonary immune homeostasis and inflammation. Clinical Immunology, 2014, 151, 1-15.	3.2	193
43	Role of Lung Pericytes and Resident Fibroblasts in the Pathogenesis of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 820-830.	5.6	317
44	Role of Cells and Mediators in Exercise-Induced Bronchoconstriction. Immunology and Allergy Clinics of North America, 2013, 33, 313-328.	1.9	25
45	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
46	Matrix Metalloproteinaseâ€“7 Coordinates Airway Epithelial Injury Response and Differentiation of Ciliated Cells. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 390-396.	2.9	36
47	Ischemia-Reperfusion Lung Injury Is Attenuated in MyD88-Deficient Mice. PLoS ONE, 2013, 8, e77123.	2.5	24
48	TLR-2/TLR-4 TREM-1 Signaling Pathway Is Dispensable in Inflammatory Myeloid Cells during Sterile Kidney Injury. PLoS ONE, 2013, 8, e68640.	2.5	43
49	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.	3.4	29
50	Role of Urokinase Plasminogen Activator Receptorâ€“Associated Protein in Mouse Lung. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 233-239.	2.9	39
51	Epithelial regulation of eicosanoid production in asthma. Pulmonary Pharmacology and Therapeutics, 2012, 25, 432-437.	2.6	19
52	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.	3.6	4
53	Syndecan-1 controls cell migration by activating Rap1 to regulate focal adhesion disassembly. Journal of Cell Science, 2012, 125, 5188-95.	2.0	24
54	Lipopolysaccharide-Induced Lung Injury Is Independent of Serum Vitamin D Concentration. PLoS ONE, 2012, 7, e49076.	2.5	11

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55	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, 650-658.	2.9	24
56	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-L460.	2.9	16
57	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
58	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.	2.0	10
59	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.	2.0	32
60	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
61	Eosinophil Cysteinyl Leukotriene Synthesis Mediated by Exogenous Secreted Phospholipase A2 Group X. Journal of Biological Chemistry, 2010, 285, 41491-41500.	3.4	50
62	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, 206-211.	2.2	30
63	Noninjurious mechanical ventilation activates a proinflammatory transcriptional program in the lung. Physiological Genomics, 2009, 37, 239-248.	2.3	41
64	Fas (CD95) induces macrophage proinflammatory chemokine production via a MyD88-dependent, caspase-independent pathway. Journal of Leukocyte Biology, 2007, 82, 721-728.	3.3	37
65	Hyperoxia in the intensive care unit: why more is not always better. Current Opinion in Critical Care, 2007, 13, 73-78.	3.2	172
66	Mechanical ventilation interacts with endotoxemia to induce extrapulmonary organ dysfunction. Critical Care, 2006, 10, R136.	5.8	61
67	Mechanical ventilation induces inflammation, lung injury, and extra-pulmonary organ dysfunction in experimental pneumonia. Laboratory Investigation, 2006, 86, 790-799.	3.7	124
68	Computational Identification of Key Biological Modules and Transcription Factors in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 653-658.	5.6	55
69	Modulation of Lipopolysaccharide-Induced Gene Transcription and Promotion of Lung Injury by Mechanical Ventilation. Journal of Immunology, 2005, 175, 3369-3376.	0.8	165
70	Effect of posture on regional gas exchange in pigs. Journal of Applied Physiology, 2004, 97, 2104-2111.	2.5	41
71	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-L542.	2.9	157
72	Augmented lung injury due to interaction between hyperoxia and mechanical ventilation*. Critical Care Medicine, 2004, 32, 2496-2501.	0.9	240

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73	Physiological Implications of the Fractal Distribution of Ventilation and Perfusion in the Lung. Annals of Biomedical Engineering, 2000, 28, 1028-1031.	2.5	33
74	Regional ventilation-perfusion distribution is more uniform in the prone position. Journal of Applied Physiology, 2000, 88, 1076-1083.	2.5	179
75	Fractal nature of regional ventilation distribution. Journal of Applied Physiology, 2000, 88, 1551-1557.	2.5	102
76	Pseudomonal pericarditis complicating cystic fibrosis. , 1999, 27, 62-64.		10
77	Pulmonary gas-exchange analysis by using simultaneous deposition of aerosolized and injected microspheres. Journal of Applied Physiology, 1998, 85, 2344-2351.	2.5	59
78	Pulmonary embolization causes hypoxemia by redistributing regional blood flow without changing ventilation. Journal of Applied Physiology, 1998, 85, 2337-2343.	2.5	51
79	Tracheobronchopathia Osteochondroplastica. Clinical Pulmonary Medicine, 1996, 3, 234-235.	0.3	0