

William A Altemeier

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Role of lung pericytes and resident fibroblasts in the pathogenesis of pulmonary fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 820-30 | 10.2 | 250 |
| 73 | Augmented lung injury due to interaction between hyperoxia and mechanical ventilation. <i>Critical Care Medicine</i> , 2004 , 32, 2496-501 | 1.4 | 176 |
| 72 | Interleukin-2-Dependent Allergen-Specific Tissue-Resident Memory Cells Drive Asthma. <i>Immunity</i> , 2016 , 44, 155-166 | 32.3 | 160 |
| 71 | Airway epithelial regulation of pulmonary immune homeostasis and inflammation. <i>Clinical Immunology</i> , 2014 , 151, 1-15 | 9 | 157 |
| 70 | Regional ventilation-perfusion distribution is more uniform in the prone position. <i>Journal of Applied Physiology</i> , 2000 , 88, 1076-83 | 3.7 | 154 |
| 69 | Hyperoxia in the intensive care unit: why more is not always better. <i>Current Opinion in Critical Care</i> , 2007 , 13, 73-8 | 3.5 | 147 |
| 68 | Modulation of lipopolysaccharide-induced gene transcription and promotion of lung injury by mechanical ventilation. <i>Journal of Immunology</i> , 2005 , 175, 3369-76 | 5.3 | 146 |
| 67 | Mechanical ventilation with moderate tidal volumes synergistically increases lung cytokine response to systemic endotoxin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 287, L533-42 | 5.8 | 128 |
| 66 | Mechanical ventilation induces inflammation, lung injury, and extra-pulmonary organ dysfunction in experimental pneumonia. <i>Laboratory Investigation</i> , 2006 , 86, 790-9 | 5.9 | 104 |
| 65 | Fractal nature of regional ventilation distribution. <i>Journal of Applied Physiology</i> , 2000 , 88, 1551-7 | 3.7 | 92 |
| 64 | Pericyte MyD88 and IRAK4 control inflammatory and fibrotic responses to tissue injury. <i>Journal of Clinical Investigation</i> , 2017 , 127, 321-334 | 15.9 | 82 |
| 63 | Neutrophil extracellular traps (NETs) are increased in the alveolar spaces of patients with ventilator-associated pneumonia. <i>Critical Care</i> , 2018 , 22, 358 | 10.8 | 66 |
| 62 | Mechanical ventilation interacts with endotoxemia to induce extrapulmonary organ dysfunction. <i>Critical Care</i> , 2006 , 10, R136 | 10.8 | 57 |
| 61 | 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 |
| 60 | Pulmonary gas-exchange analysis by using simultaneous deposition of aerosolized and injected microspheres. <i>Journal of Applied Physiology</i> , 1998 , 85, 2344-51 | 3.7 | 54 |
| 59 | Computational identification of key biological modules and transcription factors in acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 653-8 | 10.2 | 45 |
| 58 | Pulmonary embolization causes hypoxemia by redistributing regional blood flow without changing ventilation. <i>Journal of Applied Physiology</i> , 1998 , 85, 2337-43 | 3.7 | 44 |

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|----|---|------|----|
| 57 | 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 |
| 56 | Increased density of intraepithelial mast cells in patients with exercise-induced bronchoconstriction regulated through epithelially derived thymic stromal lymphopietin and IL-33. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1448-55 | 11.5 | 41 |
| 55 | 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 |
| 54 | Effect of posture on regional gas exchange in pigs. <i>Journal of Applied Physiology</i> , 2004 , 97, 2104-11 | 3.7 | 38 |
| 53 | Noninjurious mechanical ventilation activates a proinflammatory transcriptional program in the lung. <i>Physiological Genomics</i> , 2009 , 37, 239-48 | 3.6 | 36 |
| 52 | TLR-2/TLR-4 TREM-1 signaling pathway is dispensable in inflammatory myeloid cells during sterile kidney injury. <i>PLoS ONE</i> , 2013 , 8, e68640 | 3.7 | 36 |
| 51 | Role of urokinase plasminogen activator receptor-associated protein in mouse lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 46, 233-9 | 5.7 | 34 |
| 50 | 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 |
| 49 | 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 |
| 48 | Fas (CD95) induces macrophage proinflammatory chemokine production via a MyD88-dependent, caspase-independent pathway. <i>Journal of Leukocyte Biology</i> , 2007 , 82, 721-8 | 6.5 | 33 |
| 47 | Versican is produced by Trif- and type I interferon-dependent signaling in macrophages and contributes to fine control of innate immunity in lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L1069-L1086 | 5.8 | 31 |
| 46 | Experimental acute lung injury induces multi-organ epigenetic modifications in key angiogenic genes implicated in sepsis-associated endothelial dysfunction. <i>Critical Care</i> , 2015 , 19, 225 | 10.8 | 30 |
| 45 | Matrix metalloproteinase-7 coordinates airway epithelial injury response and differentiation of ciliated cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 390-6 | 5.7 | 29 |
| 44 | 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 |
| 43 | Positive end-expiratory pressure alters the severity and spatial heterogeneity of ventilator-induced lung injury: an argument for cyclical airway collapse. <i>Journal of Critical Care</i> , 2009 , 24, 206-11 | 4 | 26 |
| 42 | Transmembrane and extracellular domains of syndecan-1 have distinct functions in regulating lung epithelial migration and adhesion. <i>Journal of Biological Chemistry</i> , 2012 , 287, 34927-34935 | 5.4 | 26 |
| 41 | Physiological implications of the fractal distribution of ventilation and perfusion in the lung. <i>Annals of Biomedical Engineering</i> , 2000 , 28, 1028-31 | 4.7 | 26 |
| 40 | CYR61 (CCN1) overexpression induces lung injury in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L759-65 | 5.8 | 23 |

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|----|--|------|----|
| 39 | Mechanical ventilation modulates Toll-like receptor-3-induced lung inflammation via a MyD88-dependent, TLR4-independent pathway: a controlled animal study. <i>BMC Pulmonary Medicine</i> , 2010 , 10, 57 | 3.5 | 23 |
| 38 | 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 |
| 37 | Syndecan-1 controls cell migration by activating Rap1 to regulate focal adhesion disassembly. <i>Journal of Cell Science</i> , 2012 , 125, 5188-95 | 5.3 | 22 |
| 36 | Fas activation in alveolar epithelial cells induces KC (CXCL1) release by a MyD88-dependent mechanism. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 650-8 | 5.7 | 21 |
| 35 | Secreted PLA2 group X orchestrates innate and adaptive immune responses to inhaled allergen. <i>JCI Insight</i> , 2017 , 2, | 9.9 | 21 |
| 34 | Ischemia-reperfusion lung injury is attenuated in MyD88-deficient mice. <i>PLoS ONE</i> , 2013 , 8, e77123 | 3.7 | 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 | Genetic determinants of susceptibility to silver nanoparticle-induced acute lung inflammation in mice. <i>FASEB Journal</i> , 2017 , 31, 4600-4611 | 0.9 | 17 |
| 30 | Modified High-Molecular-Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 109-120 | 5.7 | 17 |
| 29 | Matrix Metalloproteinase-28 Is a Key Contributor to Emphysema Pathogenesis. <i>American Journal of Pathology</i> , 2017 , 187, 1288-1300 | 5.8 | 16 |
| 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 | Role of the Fas/FasL system in a model of RSV infection in mechanically ventilated mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 301, L451-60 | 5.8 | 14 |
| 26 | 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 |
| 25 | 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 |
| 24 | The pulmonary inflammatory response to multiwalled carbon nanotubes is influenced by gender and glutathione synthesis. <i>Redox Biology</i> , 2016 , 9, 264-275 | 11.3 | 11 |
| 23 | Lipopolysaccharide-induced lung injury is independent of serum vitamin D concentration. <i>PLoS ONE</i> , 2012 , 7, e49076 | 3.7 | 10 |
| 22 | 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 |

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| 21 | Pseudomonal pericarditis complicating cystic fibrosis. <i>Pediatric Pulmonology</i> , 1999 , 27, 62-4 | 3.5 | 7 |
| 20 | Quantum dot induced acute changes in lung mechanics are mouse strain dependent. <i>Inhalation Toxicology</i> , 2018 , 30, 397-403 | 2.7 | 7 |
| 19 | Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. <i>Scientific Reports</i> , 2020 , 10, 10397 | 4.9 | 6 |
| 18 | Spatial distribution of sequential ventilation during mechanical ventilation of the uninjured lung: an argument for cyclical airway collapse and expansion. <i>BMC Pulmonary Medicine</i> , 2010 , 10, 25 | 3.5 | 6 |
| 17 | SYSTEM-WIDE MAPPING OF ACTIVATED CIRCUITRY IN EXPERIMENTAL SYSTEMIC INFLAMMATORY RESPONSE SYNDROME. <i>Shock</i> , 2016 , 45, 148-56 | 3.4 | 6 |
| 16 | Management of Acute Myeloid Leukemia in the Intensive Care Setting. <i>Journal of Intensive Care Medicine</i> , 2015 , 30, 375-84 | 3.3 | 5 |
| 15 | Ablation of Pericyte-Like Cells in Lungs by Oropharyngeal Aspiration of Diphtheria Toxin. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 160-167 | 5.7 | 5 |
| 14 | Matrix metalloproteinase 28 is regulated by TRIF- and type I IFN-dependent signaling in macrophages. <i>Innate Immunity</i> , 2018 , 24, 357-365 | 2.7 | 5 |
| 13 | Fas-deficient mice have impaired alveolar neutrophil recruitment and decreased expression of anti-KC autoantibody:KC complexes in a model of acute lung injury. <i>Respiratory Research</i> , 2012 , 13, 91 | 7.3 | 4 |
| 12 | Mouse Models of Acute Lung Injury. <i>Respiratory Medicine</i> , 2017 , 5-23 | 0.2 | 4 |
| 11 | The Effects of Gene \times Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. <i>Chemical Research in Toxicology</i> , 2019 , 32, 952-968 | 4 | 3 |
| 10 | The Effects of Genotype \times Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. <i>Toxicological Sciences</i> , 2020 , 173, 131-143 | 4.4 | 3 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | The effects of genotype \times phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. <i>Nanotoxicology</i> , 2020 , 14, 908-928 | 5.3 | 1 |
| 5 | Evaluation of Nutritional Gel Supplementation in C57BL/6J Mice Infected with Mouse-Adapted Influenza A/PR/8/34 Virus. <i>Comparative Medicine</i> , 2020 , 70, 471-486 | 1.6 | 1 |
| 4 | The effects of gene \times environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1708 | 9.2 | 1 |

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| 3 | Type I Interferon Signaling Increases Versican Expression and Synthesis in Lung Stromal Cells During Influenza Infection. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 69, 691-709 | 3.4 | ○ |
| 2 | Pericyte-like cells undergo transcriptional reprogramming and distinct functional adaptations in acute lung injury. <i>FASEB Journal</i> , 2021 , 35, e21323 | 0.9 | ○ |
| 1 | Transgenic Animal Models in Lung Research. <i>Respiratory Medicine</i> , 2017 , 25-38 | 0.2 | |