

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.

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|-------------------|-------------------------|----------------|-----------------|
| 60 papers | 1,744 citations | 24 h-index | 41 g-index |
| 66 ext. papers | 2,346 ext. citations | 7.1 avg, IF | 4.53 L-index |

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 60 | Storage lesion: role of red blood cell breakdown. <i>Transfusion</i> , 2011 , 51, 844-51 | 2.9 | 195 |
| 59 | Duffy antigen facilitates movement of chemokine across the endothelium in vitro and promotes neutrophil transmigration in vitro and in vivo. <i>Journal of Immunology</i> , 2003 , 170, 5244-51 | 5.3 | 127 |
| 58 | Loss of red cell chemokine scavenging promotes transfusion-related lung inflammation. <i>Blood</i> , 2009 , 113, 1158-66 | 2.2 | 96 |
| 57 | IL-17 Receptor Signaling in the Lung Epithelium Is Required for Mucosal Chemokine Gradients and Pulmonary Host Defense against <i>K. pneumoniae</i> . <i>Cell Host and Microbe</i> , 2016 , 20, 596-605 | 23.4 | 78 |
| 56 | <i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4639-4653 | 15.9 | 71 |
| 55 | The mito-DAMP cardiolipin blocks IL-10 production causing persistent inflammation during bacterial pneumonia. <i>Nature Communications</i> , 2017 , 8, 13944 | 17.4 | 69 |
| 54 | The Duffy antigen modifies systemic and local tissue chemokine responses following lipopolysaccharide stimulation. <i>Journal of Immunology</i> , 2006 , 177, 8086-94 | 5.3 | 67 |
| 53 | Bad blood: the risks of red cell storage. <i>Nature Medicine</i> , 2010 , 16, 381-2 | 50.5 | 62 |
| 52 | Optimal timing to repopulation of resident alveolar macrophages with donor cells following total body irradiation and bone marrow transplantation in mice. <i>Journal of Immunological Methods</i> , 2004 , 292, 25-34 | 2.5 | 61 |
| 51 | A checklist is associated with increased quality of reporting preclinical biomedical research: A systematic review. <i>PLoS ONE</i> , 2017 , 12, e0183591 | 3.7 | 58 |
| 50 | Red blood cell microparticles show altered inflammatory chemokine binding and release ligand upon interaction with platelets. <i>Transfusion</i> , 2011 , 51, 610-21 | 2.9 | 56 |
| 49 | CX3CL1 up-regulation is associated with recruitment of CX3CR1+ mononuclear phagocytes and T lymphocytes in the lungs during cigarette smoke-induced emphysema. <i>American Journal of Pathology</i> , 2008 , 173, 949-61 | 5.8 | 55 |
| 48 | Intractable Coronavirus Disease 2019 (COVID-19) and Prolonged Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Replication in a Chimeric Antigen Receptor-Modified T-Cell Therapy Recipient: A Case Study. <i>Clinical Infectious Diseases</i> , 2021 , 73, e815-e821 | 11.6 | 52 |
| 47 | TLR-4 pathway mediates the inflammatory response but not bacterial elimination in <i>E. coli</i> pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L731-8 | 5.8 | 50 |
| 46 | Dichotomous roles for externalized cardiolipin in extracellular signaling: Promotion of phagocytosis and attenuation of innate immunity. <i>Science Signaling</i> , 2015 , 8, ra95 | 8.8 | 49 |
| 45 | <i>Pseudomonas aeruginosa</i> sabotages the generation of host proresolving lipid mediators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 136-141 | 11.5 | 47 |
| 44 | CX3CR1+ lung mononuclear phagocytes spatially confined to the interstitium produce TNF- α and IL-6 and promote cigarette smoke-induced emphysema. <i>Journal of Immunology</i> , 2011 , 186, 3206-14 | 5.3 | 45 |

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|----|--|------|----|
| 43 | Inverse association of plasma IL-13 and inflammatory chemokines with lung function impairment in stable COPD: a cross-sectional cohort study. <i>Respiratory Research</i> , 2007 , 8, 64 | 7.3 | 41 |
| 42 | Caveolae-dependent and -independent uptake of albumin in cultured rodent pulmonary endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e81903 | 3.7 | 38 |
| 41 | The influence of radiographic phenotype and smoking status on peripheral blood biomarker patterns in chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2009 , 4, e6865 | 3.7 | 38 |
| 40 | Host-Response Subphenotypes Offer Prognostic Enrichment in Patients With or at Risk for Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2019 , 47, 1724-1734 | 1.4 | 33 |
| 39 | Enhanced expression of Duffy antigen in the lungs during suppurative pneumonia. <i>Journal of Histochemistry and Cytochemistry</i> , 2003 , 51, 159-66 | 3.4 | 27 |
| 38 | Sickle Cell Trait Increases Red Blood Cell Storage Hemolysis and Post-Transfusion Clearance in Mice. <i>EBioMedicine</i> , 2016 , 11, 239-248 | 8.8 | 25 |
| 37 | Practical Guidelines for Collection, Manipulation and Inactivation of SARS-CoV-2 and COVID-19 Clinical Specimens. <i>Current Protocols in Cytometry</i> , 2020 , 93, e77 | 3.6 | 24 |
| 36 | Thrombospondin-1 protects against pathogen-induced lung injury by limiting extracellular matrix proteolysis. <i>JCI Insight</i> , 2018 , 3, | 9.9 | 21 |
| 35 | COVID-19 versus Non-COVID-19 Acute Respiratory Distress Syndrome: Comparison of Demographics, Physiologic Parameters, Inflammatory Biomarkers, and Clinical Outcomes. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1202-1210 | 4.7 | 20 |
| 34 | SARS-CoV-2 Viremia is Associated with COVID-19 Severity and Predicts Clinical Outcomes. <i>Clinical Infectious Diseases</i> , 2021 , | 11.6 | 20 |
| 33 | CD36 Provides Host Protection Against <i>Klebsiella pneumoniae</i> Intrapulmonary Infection by Enhancing Lipopolysaccharide Responsiveness and Macrophage Phagocytosis. <i>Journal of Infectious Diseases</i> , 2016 , 214, 1865-1875 | 7 | 19 |
| 32 | Full Spectrum of LPS Activation in Alveolar Macrophages of Healthy Volunteers by Whole Transcriptomic Profiling. <i>PLoS ONE</i> , 2016 , 11, e0159329 | 3.7 | 18 |
| 31 | LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. <i>Journal of Cell Science</i> , 2016 , 129, 51-64 | 5.3 | 17 |
| 30 | Heterogeneity of lung mononuclear phagocytes in chronic obstructive pulmonary disease. <i>Journal of Innate Immunity</i> , 2012 , 4, 489-97 | 6.9 | 15 |
| 29 | Increased Alternative Complement Pathway Function and Improved Survival during Critical Illness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 230-240 | 10.2 | 14 |
| 28 | Duffy antigen receptor for chemokines mediates chemokine endocytosis through a macropinocytosis-like process in endothelial cells. <i>PLoS ONE</i> , 2011 , 6, e29624 | 3.7 | 13 |
| 27 | Single cell RNA sequencing identifies an early monocyte gene signature in acute respiratory distress syndrome. <i>JCI Insight</i> , 2020 , 5, | 9.9 | 13 |
| 26 | Finding Order in the Chaos: Outstanding Questions in <i>Klebsiella pneumoniae</i> Pathogenesis. <i>Infection and Immunity</i> , 2021 , 89, | 3.7 | 13 |

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| 25 | Platelets inhibit apoptotic lung epithelial cell death and protect mice against infection-induced lung injury. <i>Blood Advances</i> , 2019 , 3, 432-445 | 7.8 | 13 |
| 24 | The evolution of radiographic edema in ARDS and its association with clinical outcomes: A prospective cohort study in adult patients. <i>Journal of Critical Care</i> , 2020 , 56, 222-228 | 4 | 10 |
| 23 | Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. <i>Journal of Clinical Investigation</i> , 2021 , 131, | 15.9 | 8 |
| 22 | Translational Sepsis Research: Spanning the Divide. <i>Critical Care Medicine</i> , 2018 , 46, 1497-1505 | 1.4 | 7 |
| 21 | Neutrophils and lymphopenia, an unknown axis in severe COVID-19 disease. <i>PLoS Pathogens</i> , 2021 , 17, e1009850 | 7.6 | 7 |
| 20 | Persistence of elevated plasma CXCL8 concentrations following red blood cell transfusion in a trauma cohort. <i>Shock</i> , 2012 , 37, 373-7 | 3.4 | 5 |
| 19 | Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022 , 66, e1-e14 | 5.7 | 5 |
| 18 | A new thiol-independent mechanism of epithelial host defense against <i>Pseudomonas aeruginosa</i> : iNOS/NO sabotage of theft-ferroptosis. <i>Redox Biology</i> , 2021 , 45, 102045 | 11.3 | 5 |
| 17 | Frontline Science: Rev-Erb links blue light with enhanced bacterial clearance and improved survival in murine <i>Klebsiella pneumoniae</i> pneumonia. <i>Journal of Leukocyte Biology</i> , 2020 , 107, 11-25 | 6.5 | 4 |
| 16 | Lower Respiratory Tract Myeloid Cells Harbor SARS-Cov-2 and Display an Inflammatory Phenotype. <i>Chest</i> , 2021 , 159, 963-966 | 5.3 | 4 |
| 15 | Bifurcated monocyte states are predictive of mortality in severe COVID-19 2021 , | | 4 |
| 14 | Acute exacerbation of subclinical pulmonary fibrosis after red blood cell transfusion: a case report. <i>Transfusion</i> , 2012 , 52, 589-94 | 2.9 | 3 |
| 13 | Label-free Neutrophil Enrichment from Patient-derived Airway Secretion Using Closed-loop Inertial Microfluidics. <i>Journal of Visualized Experiments</i> , 2018 , | 1.6 | 2 |
| 12 | Interleukin-36 Cytokines in Infectious and Non-Infectious Lung Diseases. <i>Frontiers in Immunology</i> , 2021 , 12, 754702 | 8.4 | 2 |
| 11 | Inclusion in the Pulmonary, Critical Care, and Sleep Medicine Physician-Scientist Workforce. Building with Intention. <i>ATS Scholar</i> , 2020 , 1, 353-363 | 1.6 | 2 |
| 10 | Correlation Between Female Gender and the Red Blood Cell Propensity to Hemolyze Under Various Stresses. <i>Blood</i> , 2011 , 118, 2325-2325 | 2.2 | 2 |
| 9 | Brief Report: Hydroxychloroquine does not induce hemolytic anemia or organ damage in a "humanized" G6PD A- mouse model. <i>PLoS ONE</i> , 2020 , 15, e0240266 | 3.7 | 2 |
| 8 | Elastase Activity From <i>Pseudomonas aeruginosa</i> Respiratory Isolates and ICU Mortality. <i>Chest</i> , 2021 , 160, 1624-1633 | 5.3 | 2 |

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| 7 | Critically ill COVID-19 patients exhibit peripheral immune profiles predictive of mortality and reflective of SARS-CoV-2 viral burden in the lung. <i>Cell Reports Medicine</i> , 2021 , 100476 | 18 | 1 |
| 6 | Thrombospondin-1 Restricts Interleukin-36 Mediated Neutrophilic Inflammation during <i>Pseudomonas aeruginosa</i> Pulmonary Infection. <i>MBio</i> , 2021 , 12, | 7.8 | 1 |
| 5 | Rapid postmortem ventilation improves donor lung viability by extending the tolerable warm ischemic time after cardiac death in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L653-L662 | 5.8 | 1 |
| 4 | Protein arginine N-methyltransferase 4 (PRMT4) contributes to lymphopenia in experimental sepsis.. <i>Thorax</i> , 2022 , | 7.3 | 1 |
| 3 | Machine learning based algorithms to impute PaO from SpO values and development of an online calculator.. <i>Scientific Reports</i> , 2022 , 12, 8235 | 4.9 | 1 |
| 2 | Stability of SARS-CoV-2-Encoded Proteins and Their Antibody Levels Correlate with Interleukin 6 in COVID-19 Patients.. <i>MSystems</i> , 2022 , e0005822 | 7.6 | 1 |
| 1 | Endotoxin stabilizes protein arginine methyltransferase 4 (PRMT4) protein triggering death of lung epithelia. <i>Cell Death and Disease</i> , 2021 , 12, 828 | 9.8 | 0 |