

Tillie Louise Hackett

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

4,522
citations

156536

32
h-index

124990

64
g-index

77
all docs

77
docs citations

77
times ranked

7456
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | ACE-2 expression in the small airway epithelia of smokers and COPD patients: implications for COVID-19. <i>European Respiratory Journal</i> , 2020, 55, 2000688. | 3.1 | 668 |
| 2 | Induction of Epithelialâ€Mesenchymal Transition in Primary Airway Epithelial Cells from Patients with Asthma by Transforming Growth Factor-Î²1. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 122-133. | 2.5 | 336 |
| 3 | Small airways disease in mild and moderate chronic obstructive pulmonary disease: a cross-sectional study. <i>Lancet Respiratory Medicine</i> , 2018, 6, 591-602. | 5.2 | 213 |
| 4 | The Contribution of Small Airway Obstruction to the Pathogenesis of Chronic Obstructive Pulmonary Disease. <i>Physiological Reviews</i> , 2017, 97, 529-552. | 13.1 | 206 |
| 5 | Airway epithelial regulation of pulmonary immune homeostasis and inflammation. <i>Clinical Immunology</i> , 2014, 151, 1-15. | 1.4 | 193 |
| 6 | Intrinsic Phenotypic Differences of Asthmatic Epithelium and Its Inflammatory Responses to Respiratory Syncytial Virus and Air Pollution. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 1090-1100. | 1.4 | 181 |
| 7 | E-cadherin: gatekeeper of airway mucosa and allergic sensitization. <i>Trends in Immunology</i> , 2011, 32, 248-255. | 2.9 | 172 |
| 8 | Epithelialâ€mesenchymal transition in the pathophysiology of airway remodelling in asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2012, 12, 53-59. | 1.1 | 162 |
| 9 | Toll-Like Receptor 4-Mediated Activation of p38 Mitogen-Activated Protein Kinase Is a Determinant of Respiratory Virus Entry and Tropism. <i>Journal of Virology</i> , 2010, 84, 11359-11373. | 1.5 | 137 |
| 10 | Abnormal M1/M2 macrophage phenotype profiles in the small airway wall and lumen in smokers and chronic obstructive pulmonary disease (COPD). <i>Scientific Reports</i> , 2017, 7, 13392. | 1.6 | 124 |
| 11 | Characterization of Side Population Cells from Human Airway Epithelium. <i>Stem Cells</i> , 2008, 26, 2576-2585. | 1.4 | 121 |
| 12 | Recent advances in chronic obstructive pulmonary disease pathogenesis: from disease mechanisms to precision medicine. <i>Journal of Pathology</i> , 2020, 250, 624-635. | 2.1 | 116 |
| 13 | Noninvasive Imaging Biomarker Identifies Small Airway Damage in Severe Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 575-581. | 2.5 | 110 |
| 14 | DNA Methylation Profiles of Airway Epithelial Cells and PBMCs from Healthy, Atopic and Asthmatic Children. <i>PLoS ONE</i> , 2012, 7, e44213. | 1.1 | 101 |
| 15 | Imaging Collagen in Scar Tissue: Developments in Second Harmonic Generation Microscopy for Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1772. | 1.8 | 100 |
| 16 | A gene expression signature of emphysema-related lung destruction and its reversal by the tripeptide GHK. <i>Genome Medicine</i> , 2012, 4, 67. | 3.6 | 94 |
| 17 | The role of epithelial injury and repair in the origins of asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2007, 7, 63-68. | 1.1 | 83 |
| 18 | Caveolin-1 Controls Airway Epithelial Barrier Function. Implications for Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 662-671. | 1.4 | 72 |

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|----|--|-----|-----------|
| 19 | Small airways pathology in idiopathic pulmonary fibrosis: a retrospective cohort study. <i>Lancet Respiratory Medicine</i> , 2020, 8, 573-584. | 5.2 | 70 |
| 20 | Current perspectives on the role of interleukin-1 signalling in the pathogenesis of asthma and COPD. <i>European Respiratory Journal</i> , 2020, 55, 1900563. | 3.1 | 67 |
| 21 | Defective Fibrillar Collagen Organization by Fibroblasts Contributes to Airway Remodeling in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 431-443. | 2.5 | 66 |
| 22 | 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, 978-988. | 1.4 | 62 |
| 23 | Human Lung Parenchyma but Not Proximal Bronchi Produces Fibroblasts with Enhanced TGF- β^2 Signaling and α -SMA Expression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 641-651. | 1.4 | 59 |
| 24 | Three Dimensional Imaging of Paraffin Embedded Human Lung Tissue Samples by Micro-Computed Tomography. <i>PLoS ONE</i> , 2015, 10, e0126230. | 1.1 | 56 |
| 25 | Interleukin-1 β drives the dysfunctional cross-talk of the airway epithelium and lung fibroblasts in COPD. <i>European Respiratory Journal</i> , 2016, 48, 359-369. | 3.1 | 56 |
| 26 | BMP-7 Does Not Protect against Bleomycin-Induced Lung or Skin Fibrosis. <i>PLoS ONE</i> , 2008, 3, e4039. | 1.1 | 52 |
| 27 | Small airway loss in the physiologically ageing lung: a cross-sectional study in unused donor lungs. <i>Lancet Respiratory Medicine</i> , 2021, 9, 167-174. | 5.2 | 41 |
| 28 | Elevated H3K18 acetylation in airway epithelial cells of asthmatic subjects. <i>Respiratory Research</i> , 2015, 16, 95. | 1.4 | 39 |
| 29 | Disruption of β -catenin/CBP signaling inhibits human airway epithelial "mesenchymal transition and repair. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 68, 59-69. | 1.2 | 37 |
| 30 | A gene expression signature of emphysematous lung destruction and its reversal by the tripeptide GHK. <i>Genome Medicine</i> , 2012, 4, 67. | 3.6 | 37 |
| 31 | Gene expression analysis in asthma using a targeted multiplex array. <i>BMC Pulmonary Medicine</i> , 2017, 17, 189. | 0.8 | 36 |
| 32 | Oxidative modification of albumin in the parenchymal lung tissue of current smokers with chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2010, 11, 180. | 1.4 | 34 |
| 33 | Comprehensive stereological assessment of the human lung using multiresolution computed tomography. <i>Journal of Applied Physiology</i> , 2020, 128, 1604-1616. | 1.2 | 31 |
| 34 | Small Airway Reduction and Fibrosis Is an Early Pathologic Feature of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1048-1059. | 2.5 | 31 |
| 35 | Pathological changes in the COPD lung mesenchyme " Novel lessons learned from in vitro and in vivo studies. <i>Pulmonary Pharmacology and Therapeutics</i> , 2014, 29, 121-128. | 1.1 | 30 |
| 36 | Heterogeneity of airway wall dimensions in humans: a critical determinant of lung function in asthmatics and nonasthmatics. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L425-L431. | 1.3 | 29 |

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|----|--|-----|-----------|
| 37 | Integrative Genomics of Emphysema-Associated Genes Reveals Potential Disease Biomarkers. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 411-418. | 1.4 | 28 |
| 38 | Epithelial-interleukin-1 inhibits collagen formation by airway fibroblasts: Implications for asthma. <i>Scientific Reports</i> , 2020, 10, 8721. | 1.6 | 28 |
| 39 | Morphometric analysis of inflammation in bronchial biopsies following exposure to inhaled diesel exhaust and allergen challenge in atopic subjects. <i>Particle and Fibre Toxicology</i> , 2015, 13, 2. | 2.8 | 25 |
| 40 | Acute cigarette smoke exposure activates apoptotic and inflammatory programs but a second stimulus is required to induce epithelial to mesenchymal transition in COPD epithelium. <i>Respiratory Research</i> , 2017, 18, 82. | 1.4 | 24 |
| 41 | Selective targeting of CREB-binding protein/Î²-catenin inhibits growth of and extracellular matrix remodelling by airway smooth muscle. <i>British Journal of Pharmacology</i> , 2016, 173, 3327-3341. | 2.7 | 23 |
| 42 | Epigenetic modifying enzyme expression in asthmatic airway epithelial cells and fibroblasts. <i>BMC Pulmonary Medicine</i> , 2017, 17, 24. | 0.8 | 23 |
| 43 | What Have In Vitro Co-Culture Models Taught Us about the Contribution of Epithelial-Mesenchymal Interactions to Airway Inflammation and Remodeling in Asthma?. <i>Cells</i> , 2020, 9, 1694. | 1.8 | 23 |
| 44 | Increased myofibroblasts in the small airways, and relationship to remodelling and functional changes in smokers and COPD patients: potential role of epithelial-mesenchymal transition. <i>ERJ Open Research</i> , 2021, 7, 00876-2020. | 1.1 | 23 |
| 45 | Dysregulation of endocytic machinery and ACE2 in small airways of smokers and COPD patients can augment their susceptibility to SARS-CoV-2 (COVID-19) infections. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L158-L163. | 1.3 | 22 |
| 46 | Protocadherin-1 binds to SMAD3 and suppresses TGF-Î²1-induced gene transcription. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L725-L735. | 1.3 | 21 |
| 47 | Epithelial-mesenchymal crosstalk in COPD: An update from in vitro model studies. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 125, 105775. | 1.2 | 18 |
| 48 | The molecular and cellular mechanisms associated with the destruction of terminal bronchioles in COPD. <i>European Respiratory Journal</i> , 2022, 59, 2101411. | 3.1 | 17 |
| 49 | Modeling Extracellular Matrix-Cell Interactions in Lung Repair and Chronic Disease. <i>Cells</i> , 2021, 10, 2145. | 1.8 | 16 |
| 50 | Effect of gene environment interactions on lung function and cardiovascular disease in COPD. <i>International Journal of COPD</i> , 2011, 6, 277. | 0.9 | 15 |
| 51 | Potential role of stem cells in management of COPD. <i>International Journal of COPD</i> , 2010, 5, 81. | 0.9 | 14 |
| 52 | Defective function at the epithelial junction: A novel therapeutic frontier in asthma?. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 557-558. | 1.5 | 14 |
| 53 | The Role of miRNAs in Extracellular Matrix Repair and Chronic Fibrotic Lung Diseases. <i>Cells</i> , 2021, 10, 1706. | 1.8 | 13 |
| 54 | Widespread Sexual Dimorphism in the Transcriptome of Human Airway Epithelium in Response to Smoking. <i>Scientific Reports</i> , 2019, 9, 17600. | 1.6 | 12 |

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|----|--|-----|-----------|
| 55 | Super resolution measurement of collagen fibers in biological samples: Validation of a commercial solution for multiphoton microscopy. <i>PLoS ONE</i> , 2020, 15, e0229278. | 1.1 | 12 |
| 56 | Vascular remodelling in IPF patients and its detrimental effect on lung physiology: potential role of endothelial to mesenchymal transition (EndMT). <i>ERJ Open Research</i> , 2022, 8, 00571-2021. | 1.1 | 12 |
| 57 | Expression of Myoferlin in Human Airway Epithelium and Its Role in Cell Adhesion and Zonula Occludens-1 Expression. <i>PLoS ONE</i> , 2012, 7, e40478. | 1.1 | 11 |
| 58 | Application of Euclidean distance mapping for assessment of basement membrane thickness distribution in asthma. <i>Journal of Applied Physiology</i> , 2017, 123, 473-481. | 1.2 | 11 |
| 59 | Airway epithelial cell isolation techniques affect DNA methylation profiles with consequences for analysis of asthma related perturbations to DNA methylation. <i>Scientific Reports</i> , 2019, 9, 14409. | 1.6 | 11 |
| 60 | Second harmonic generation imaging of collagen scaffolds within the alveolar ducts of healthy and emphysematous mouse lungs. <i>Histochemistry and Cell Biology</i> , 2021, 155, 279-289. | 0.8 | 11 |
| 61 | SARS-CoV-2 (COVID-19) Adhesion Site Protein Upregulation in Small Airways, Type 2 Pneumocytes, and Alveolar Macrophages of Smokers and COPD – Possible Implications for Interstitial Fibrosis. <i>International Journal of COPD</i> , 2022, Volume 17, 101-115. | 0.9 | 11 |
| 62 | Sildenafil Prevents Marfan-Associated Emphysema and Early Pulmonary Artery Dilation in Mice. <i>American Journal of Pathology</i> , 2019, 189, 1536-1546. | 1.9 | 10 |
| 63 | The Role of the Dynamic Lung Extracellular Matrix Environment on Fibroblast Morphology and Inflammation. <i>Cells</i> , 2022, 11, 185. | 1.8 | 8 |
| 64 | FAM13A as potential therapeutic target in modulating TGF- β -induced airway tissue remodeling in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L377-L391. | 1.3 | 7 |
| 65 | Effects of cigarette smoking on SARS-CoV-2 receptor ACE2 expression in the respiratory epithelium. <i>Journal of Pathology</i> , 2021, 253, 351-354. | 2.1 | 7 |
| 66 | Pulmonary Vascular Remodeling Is an Early Feature of Fatal and Nonfatal Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 114-118. | 1.4 | 6 |
| 67 | Statins reduce the burden of ambient particulate matter and inflammatory cells within the lung tissues of smokers with and without COPD. <i>European Respiratory Journal</i> , 2017, 49, 1601689. | 3.1 | 4 |
| 68 | Impact of Over-Expansion on SAPIEN 3 Transcatheter Heart Valve Pericardial Leaflets. <i>Structural Heart</i> , 2020, 4, 214-220. | 0.2 | 4 |
| 69 | Angiotensin-Converting Enzyme 2 (ACE2), Transmembrane Peptidase Serine 2 (TMPRSS2), and Furin Expression Increases in the Lungs of Patients with Idiopathic Pulmonary Fibrosis (IPF) and Lymphangioleiomyomatosis (LAM): Implications for SARS-CoV-2 (COVID-19) Infections. <i>Journal of Clinical Medicine</i> , 2022, 11, 777. | 1.0 | 4 |
| 70 | A Heterotopic Xenograft Model of Human Airways for Investigating Fibrosis in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 291-299. | 1.4 | 3 |
| 71 | Reply to Janssen and Wouters: Loss of Alveolar Attachments as a Pathomechanistic Link between Small Airway Disease and Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 879-880. | 2.5 | 3 |
| 72 | Lung Spatial Profiling Reveals a T Cell Signature in COPD Patients with Fatal SARS-CoV-2 Infection. <i>Cells</i> , 2022, 11, 1864. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | The low flyers: persistent airflow limitation in young adults. Lancet Respiratory Medicine, 2022, 10, 819-822. | 5.2 | 2 |
| 74 | Gene expression signature of the ageing lung: breathing new life into COPD. Thorax, 2018, 73, 605-606. | 2.7 | 1 |
| 75 | IL-4R α blockade reduces influenza-associated morbidity in a murine model of allergic asthma. Respiratory Research, 2021, 22, 75. | 1.4 | 0 |