

Patrick Geraghty

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,970
citations

218677

26
h-index

265206

42
g-index

73
all docs

73
docs citations

73
times ranked

3300
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Chronic electronic cigarette exposure in mice induces features of COPD in a nicotine-dependent manner. <i>Thorax</i> , 2016, 71, 1119-1129. | 5.6 | 247 |
| 2 | Neutrophil Elastase Up-Regulates Cathepsin B and Matrix Metalloprotease-2 Expression. <i>Journal of Immunology</i> , 2007, 178, 5871-5878. | 0.8 | 109 |
| 3 | Antimicrobial proteins and polypeptides in pulmonary innate defence. <i>Respiratory Research</i> , 2006, 7, 29. | 3.6 | 100 |
| 4 | Activation of the Epidermal Growth Factor Receptor (EGFR) by a Novel Metalloprotease Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 31736-31744. | 3.4 | 96 |
| 5 | Integrative Analysis of DNA Methylation and Gene Expression Data Identifies EPAS1 as a Key Regulator of COPD. <i>PLoS Genetics</i> , 2015, 11, e1004898. | 3.5 | 82 |
| 6 | Fibroblast growth factor 23 and Klotho contribute to airway inflammation. <i>European Respiratory Journal</i> , 2018, 52, 1800236. | 6.7 | 78 |
| 7 | TLR4 Protein Contributes to Cigarette Smoke-induced Matrix Metalloproteinase-1 (MMP-1) Expression in Chronic Obstructive Pulmonary Disease. <i>Journal of Biological Chemistry</i> , 2011, 286, 30211-30218. | 3.4 | 72 |
| 8 | Leukemia inhibitory factor protects the lung during respiratory syncytial viral infection. <i>BMC Immunology</i> , 2014, 15, 41. | 2.2 | 60 |
| 9 | The Biological Effects of Double-Dose Alpha-1 Antitrypsin Augmentation Therapy. A Pilot Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 318-326. | 5.6 | 59 |
| 10 | The Glutathione Peroxidase 1-Protein Tyrosine Phosphatase 1B-Protein Phosphatase 2A Axis. A Key Determinant of Airway Inflammation and Alveolar Destruction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 721-730. | 2.9 | 53 |
| 11 | Decreased surfactant lipids correlate with lung function in chronic obstructive pulmonary disease (COPD). <i>PLoS ONE</i> , 2020, 15, e0228279. | 2.5 | 52 |
| 12 | Respiratory Syncytial Virus Infections Enhance Cigarette Smoke Induced COPD in Mice. <i>PLoS ONE</i> , 2014, 9, e90567. | 2.5 | 52 |
| 13 | Induction of the unfolded protein response by cigarette smoke is primarily an activating transcription factor 4-C/EBP homologous protein mediated process. <i>International Journal of COPD</i> , 2011, 6, 309. | 2.3 | 51 |
| 14 | Secretory Leucocyte Protease Inhibitor Inhibits Interferon- β -induced Cathepsin S Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 33389-33395. | 3.4 | 47 |
| 15 | Cathepsin S: investigating an old player in lung disease pathogenesis, comorbidities, and potential therapeutics. <i>Respiratory Research</i> , 2020, 21, 111. | 3.6 | 47 |
| 16 | Increased Matrix Metalloproteinase (MMPs) Levels Do Not Predict Disease Severity or Progression in Emphysema. <i>PLoS ONE</i> , 2013, 8, e56352. | 2.5 | 43 |
| 17 | Protein Phosphatase 2A Regulates Innate Immune and Proteolytic Responses to Cigarette Smoke Exposure in the Lung. <i>Toxicological Sciences</i> , 2012, 126, 589-599. | 3.1 | 40 |
| 18 | α -Antitrypsin Activates Protein Phosphatase 2A to Counter Lung Inflammatory Responses. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1229-1242. | 5.6 | 40 |

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|----|--|-----|-----------|
| 19 | Disruption of mitochondrial function in <i>Candida albicans</i> leads to reduced cellular ergosterol levels and elevated growth in the presence of amphotericin B. <i>Archives of Microbiology</i> , 2003, 179, 295-300. | 2.2 | 39 |
| 20 | Protein Phosphatase 2A Reduces Cigarette Smoke-induced Cathepsin S and Loss of Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 51-62. | 5.6 | 39 |
| 21 | Cigarette Smoke Activates the Proto-Oncogene c-Src to Promote Airway Inflammation and Lung Tissue Destruction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 559-570. | 2.9 | 38 |
| 22 | STAT3 modulates cigarette smoke-induced inflammation and protease expression. <i>Frontiers in Physiology</i> , 2013, 4, 267. | 2.8 | 36 |
| 23 | Klotho Inhibits Interleukin-8 Secretion from Cystic Fibrosis Airway Epithelia. <i>Scientific Reports</i> , 2017, 7, 14388. | 3.3 | 36 |
| 24 | Cathepsin G degradation of phospholipid transfer protein (PLTP) augments pulmonary inflammation. <i>FASEB Journal</i> , 2014, 28, 2318-2331. | 0.5 | 32 |
| 25 | Glutathione Peroxidase-1 Suppresses the Unfolded Protein Response upon Cigarette Smoke Exposure. <i>Mediators of Inflammation</i> , 2016, 2016, 1-16. | 3.0 | 30 |
| 26 | Neutrophil Membrane Cholesterol Content is a Key Factor in Cystic Fibrosis Lung Disease. <i>EBioMedicine</i> , 2017, 23, 173-184. | 6.1 | 28 |
| 27 | TLR9 expression is required for the development of cigarette smoke-induced emphysema in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L154-L166. | 2.9 | 26 |
| 28 | Matrix Metalloproteinase 9 Exerts Antiviral Activity against Respiratory Syncytial Virus. <i>PLoS ONE</i> , 2015, 10, e0135970. | 2.5 | 24 |
| 29 | Protein tyrosine phosphatase 1B negatively regulates S100A9-mediated lung damage during respiratory syncytial virus exacerbations. <i>Mucosal Immunology</i> , 2016, 9, 1317-1329. | 6.0 | 23 |
| 30 | Chronic Cigarette Smoke Exposure Subdues PP2A Activity by Enhancing Expression of the Oncogene CIP2A. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 695-705. | 2.9 | 22 |
| 31 | Mesenchymal Tumorigenesis Driven by TSC2 Haploinsufficiency Requires HMGA2 and Is Independent of mTOR Pathway Activation. <i>Cancer Research</i> , 2016, 76, 844-854. | 0.9 | 21 |
| 32 | Cigarette smoke induction of S100A9 contributes to chronic obstructive pulmonary disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L1021-L1035. | 2.9 | 21 |
| 33 | HIV infection model of chronic obstructive pulmonary disease in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L500-L509. | 2.9 | 19 |
| 34 | Resident mesenchymal vascular progenitors modulate adaptive angiogenesis and pulmonary remodeling via regulation of canonical Wnt signaling. <i>FASEB Journal</i> , 2020, 34, 10267-10285. | 0.5 | 16 |
| 35 | Intracellular Secretory Leukoprotease Inhibitor Modulates Inositol 1,4,5-Triphosphate Generation and Exerts an Anti-Inflammatory Effect on Neutrophils of Individuals with Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. <i>BioMed Research International</i> , 2013, 2013, 1-18. | 1.9 | 15 |
| 36 | SIRT7 deficiency suppresses inflammation, induces EndoMT, and increases vascular permeability in primary pulmonary endothelial cells. <i>Scientific Reports</i> , 2020, 10, 12497. | 3.3 | 15 |

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|----|--|-----|-----------|
| 37 | The S100 Protein Family as Players and Therapeutic Targets in Pulmonary Diseases. <i>Pulmonary Medicine</i> , 2021, 2021, 1-20. | 1.9 | 15 |
| 38 | Cigarette smoke exposure reduces leukemia inhibitory factor levels during respiratory syncytial viral infection. <i>International Journal of COPD</i> , 2019, Volume 14, 1305-1315. | 2.3 | 14 |
| 39 | The Upper Airway Microbiota, Environmental Exposures, Inflammation, and Disease. <i>Medicina (Lithuania)</i> , 2021, 57, 823. | 2.0 | 14 |
| 40 | Surfactant protein A and D polymorphisms and methylprednisolone pharmacogenetics in donor lungs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 2109-2117. | 0.8 | 13 |
| 41 | Elevated S100A9 expression in chronic rhinosinusitis coincides with elevated MMP production and proliferation in vitro. <i>Scientific Reports</i> , 2020, 10, 16350. | 3.3 | 12 |
| 42 | Cigarette smoke inhibits ROCK2 activation in T cells and modulates IL-22 production. <i>Molecular Immunology</i> , 2016, 71, 115-122. | 2.2 | 10 |
| 43 | Therapeutic Potential of Alpha-1 Antitrypsin in Type 1 and Type 2 Diabetes Mellitus. <i>Medicina (Lithuania)</i> , 2021, 57, 397. | 2.0 | 10 |
| 44 | Phospholipid transfer protein and alpha-1 antitrypsin regulate Hck kinase activity during neutrophil degranulation. <i>Scientific Reports</i> , 2018, 8, 15394. | 3.3 | 8 |
| 45 | Airway Resistance Caused by Sphingomyelin Synthase 2 Insufficiency in Response to Cigarette Smoke. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 342-353. | 2.9 | 8 |
| 46 | Targeting c-Src Reverses Accelerated GPX-1 mRNA Decay in Chronic Obstructive Pulmonary Disease Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 598-607. | 2.9 | 8 |
| 47 | Early Experience With Methylprednisolone on SARS-CoV-2 Infection in the African American Population, a Retrospective Analysis. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2020, 14, 117954842098069. | 0.9 | 8 |
| 48 | Senescence: Pathogenic Driver in Chronic Obstructive Pulmonary Disease. <i>Medicina (Lithuania)</i> , 2022, 58, 817. | 2.0 | 8 |
| 49 | Fibroblast Growth Factor Receptor 4 Deficiency Mediates Airway Inflammation in the Adult Healthy Lung?. <i>Frontiers in Medicine</i> , 2020, 7, 317. | 2.6 | 6 |
| 50 | Periodontal Diseases: Major Exacerbators of Pulmonary Diseases?. <i>Pulmonary Medicine</i> , 2021, 2021, 1-10. | 1.9 | 6 |
| 51 | Cystic fibrosis disease severity correlates with plasma levels of desmosine and isodesmosine, biomarkers of elastin degradation. <i>ERJ Open Research</i> , 2019, 5, 00250-2018. | 2.6 | 5 |
| 52 | Balanced Wnt/Dickkopf1 signaling by mesenchymal vascular progenitor cells in the microvascular niche maintains distal lung structure and function. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C119-C131. | 4.6 | 5 |
| 53 | Animal Models of Chronic Obstructive Pulmonary Disease. , 2018, , . | | 2 |
| 54 | Should we worry about children's exposure to third-hand by-products generated from electronic nicotine delivery systems?. <i>ERJ Open Research</i> , 2020, 6, 00194-2020. | 2.6 | 2 |

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|----|---|-----|-----------|
| 55 | Extraction and Detection of DNA and RNA from Yeast. , 0, , 159-180. | | 1 |
| 56 | Protein Transfection of Mouse Lung. Journal of Visualized Experiments, 2013, , e50080. | 0.3 | 1 |
| 57 | Elevated levels of calpain 14 in nasal tissue in chronic rhinosinusitis. ERJ Open Research, 2020, 6, 00137-2020. | 2.6 | 1 |
| 58 | Nicotine in E-Cigarettes Dysregulates Pulmonary Inflammation and MMP-12 Expression without Effecting Respiratory Syncytial Virus Virulence. Journal of Respiration, 2021, 1, 60-73. | 1.1 | 1 |
| 59 | Systemic inflammation and protease profile of Afro-Caribbean patients with sepsis. SAGE Open Medicine, 2021, 9, 205031212110125. | 1.8 | 1 |
| 60 | ADAM17: A Therapeutic Target for Patients with Emphysema?. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 155-157. | 2.9 | 1 |
| 61 | Editorial: Defining and Characterizing Respiratory Disease in an Aging Population. Frontiers in Medicine, 2022, 9, 889834. | 2.6 | 1 |
| 62 | Cytokine Regulation by Alpha-1 Antitrypsin Therapy: A Pathway Analysis of a Pilot Clinical Trial. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 697-700. | 2.9 | 1 |
| 63 | Glutathione Peroxidase-1 (GPx-1) Protects The Lung From Cigarette Smoke Induced Injury. , 2012, , . | | 0 |
| 64 | In Vivo Modulation Of Protein Phosphatase 2A (PP2A) Activity Alters Protease And Cytokine Responses To Cigarette Smoke. , 2012, , . | | 0 |
| 65 | Respiratory Health Effects Of Dung Biomass Smoke Exposure. , 2012, , . | | 0 |
| 66 | PLTP Activity Is Decreased In Smokers And Advanced Emphysema Patients. , 2012, , . | | 0 |
| 67 | Reply: Relevance of the PP2A Pathway in the Molecular Mechanisms of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 659-660. | 2.9 | 0 |
| 68 | Activation of the epidermal growth factor receptor (EGFR) by a novel metalloprotease pathway. VOLUME 283 (2008) PAGES 31736-31744. Journal of Biological Chemistry, 2009, 284, 9624. | 3.4 | 0 |
| 69 | Low density lipoprotein-related protein 1 regulates lung inflammation (609.9). FASEB Journal, 2014, 28, 609.9. | 0.5 | 0 |
| 70 | Protein tyrosine phosphatase 1B negatively regulates S100A9 mediated apoptosis during respiratory syncytial virus infection. , 2015, , . | | 0 |
| 71 | Alpha-1 antitrypsin protects protein phospholipid transfer protein from cleavage to counter lung inflammatory responses. , 2015, , . | | 0 |
| 72 | Effects of double dose alpha 1 antitrypsin (AAT) therapy on cytokine pathways in AAT Deficiency (AATD). , 2018, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 73 | An audit of supplemental oxygen prescribing practices in an inpatient setting and its financial burden.. , 2018, , . | | 0 |