# Nathan W Bartlett

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3695807/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 67<br>papers | 5,551<br>citations | 147801<br>31<br>h-index | 133252<br>59<br>g-index |
| 71<br>all docs | 71<br>docs citations | 71<br>times ranked | 7027<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Role of deficient type III interferon-Î» production in asthma exacerbations. Nature Medicine, 2006, 12, 1023-1026. | 30.7 | 955 |
| 2 | IL-33â€"Dependent Type 2 Inflammation during Rhinovirus-induced Asthma Exacerbations <i>In Vivo</i>. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1373-1382. | 5.6 | 500 |
| 3 | Mouse models of rhinovirus-induced disease and exacerbation of allergic airway inflammation. Nature Medicine, 2008, 14, 199-204. | 30.7 | 339 |
| 4 | Targeting the NF-Î°B pathway in asthma and chronic obstructive pulmonary disease. , 2009, 121, 1-13. | | 323 |
| 5 | Co-ordinated Role of TLR3, RIG-I and MDA5 in the Innate Response to Rhinovirus in Bronchial Epithelium. PLoS Pathogens, 2010, 6, e1001178. | 4.7 | 286 |
| 6 | Rhinovirus-induced IL-25 in asthma exacerbation drives type 2 immunity and allergic pulmonary inflammation. Science Translational Medicine, 2014, 6, 256ra134. | 12.4 | 280 |
| 7 | Host DNA released by NETosis promotes rhinovirus-induced type-2 allergic asthma exacerbation. Nature Medicine, 2017, 23, 681-691. | 30.7 | 260 |
| 8 | The microbiology of asthma. Nature Reviews Microbiology, 2012, 10, 459-471. | 28.6 | 170 |
| 9 | Corticosteroid suppression of antiviral immunity increases bacterial loads and mucus production in COPD exacerbations. Nature Communications, 2018, 9, 2229. | 12.8 | 153 |
| 10 | Functional and structural studies of the vaccinia virus virulence factor N1 reveal a Bcl-2-like anti-apoptotic protein. Journal of General Virology, 2007, 88, 1656-1666. | 2.9 | 153 |
| 11 | The E3 ubiquitin ligase midline 1 promotes allergen and rhinovirus-induced asthma by inhibiting protein phosphatase 2A activity. Nature Medicine, 2013, 19, 232-237. | 30.7 | 127 |
| 12 | Inhaled corticosteroids downregulate the SARS-CoV-2 receptor ACE2 in COPD through suppression of type I interferon. Journal of Allergy and Clinical Immunology, 2021, 147, 510-519.e5. | 2.9 | 121 |
| 13 | The vaccinia virus N1L protein is an intracellular homodimer that promotes virulence. Journal of General Virology, 2002, 83, 1965-1976. | 2.9 | 108 |
| 14 | A Comprehensive Evaluation of Nasal and Bronchial Cytokines and Chemokines Following Experimental Rhinovirus Infection in Allergic Asthma: Increased Interferons (IFN-Î³ and IFN-Î») and Type 2 Inflammation (IL-5 and IL-13). EBioMedicine, 2017, 19, 128-138. | 6.1 | 102 |
| 15 | Murine interferon lambdas (type III interferons) exhibit potent antiviral activity in vivo in a poxvirus infection model. Journal of General Virology, 2005, 86, 1589-1596. | 2.9 | 95 |
| 16 | Toll-like receptor 7 governs interferon and inflammatory responses to rhinovirus and is suppressed by IL-5-induced lung eosinophilia. Thorax, 2015, 70, 854-861. | 5.6 | 90 |
| 17 | Defining critical roles for NFâ€Î°B p65 and type I interferon in innate immunity to rhinovirus. EMBO Molecular Medicine, 2012, 4, 1244-1260. | 6.9 | 80 |
| 18 | Prophylactic intranasal administration of a TLR2/6 agonist reduces upper respiratory tract viral shedding in a SARS-CoV-2 challenge ferret model. EBioMedicine, 2021, 63, 103153. | 6.1 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Deletion of gene A41L enhances vaccinia virus immunogenicity and vaccine efficacy. Journal of General Virology, 2006, 87, 29-38. | 2.9 | 75 |
| 20 | Inhaled corticosteroid suppression of cathelicidin drives dysbiosis and bacterial infection in chronic obstructive pulmonary disease. Science Translational Medicine, 2019, 11, . | 12.4 | 75 |
| 21 | An Anti-Human ICAM-1 Antibody Inhibits Rhinovirus-Induced Exacerbations of Lung Inflammation. PLoS Pathogens, 2013, 9, e1003520. | 4.7 | 69 |
| 22 | Cross-Serotype Immunity Induced by Immunization with a Conserved Rhinovirus Capsid Protein. PLoS Pathogens, 2013, 9, e1003669. | 4.7 | 69 |
| 23 | Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. Frontiers in Immunology, 2020, 11, 974. | 4.8 | 60 |
| 24 | Blood Interferon-Î± Levels and Severity, Outcomes, and Inflammatory Profiles in Hospitalized COVID-19 Patients. Frontiers in Immunology, 2021, 12, 648004. | 4.8 | 60 |
| 25 | <scp>ACE2</scp> expression is elevated in airway epithelial cells from older and male healthy individuals but reduced in asthma. Respirology, 2021, 26, 442-451. | 2.3 | 59 |
| 26 | Antiviral immunity is impaired in COPD patients with frequent exacerbations. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L893-L903. | 2.9 | 57 |
| 27 | STAT3 Regulates the Onset of Oxidant-induced Senescence in Lung Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 61-73. | 2.9 | 52 |
| 28 | Extracellular vesicles in lung health, disease, and therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L977-L989. | 2.9 | 48 |
| 29 | Plasmacytoid dendritic cells drive acute asthma exacerbations. Journal of Allergy and Clinical Immunology, 2018, 142, 542-556.e12. | 2.9 | 45 |
| 30 | Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. Respirology, 2011, 16, 367-377. | 2.3 | 43 |
| 31 | Genetics and epidemiology: asthma and infection. Current Opinion in Allergy and Clinical Immunology, 2009, 9, 395-400. | 2.3 | 42 |
| 32 | CCL7 and IRF-7 Mediate Hallmark Inflammatory and IFN Responses following Rhinovirus 1B Infection. Journal of Immunology, 2015, 194, 4924-4930. | 0.8 | 39 |
| 33 | A short-term mouse model that reproduces the immunopathological features of rhinovirus-induced exacerbation of COPD. Clinical Science, 2015, 129, 245-258. | 4.3 | 38 |
| 34 | Blocking Notch3 Signaling Abolishes MUC5AC Production in Airway Epithelial Cells from Individuals with Asthma. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 513-523. | 2.9 | 36 |
| 35 | Human coronaviruses 229E and OC43 replicate and induce distinct antiviral responses in differentiated primary human bronchial epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L926-L931. | 2.9 | 36 |
| 36 | Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. Nature Microbiology, 2022, 7, 896-908. | 13.3 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Critical Role for the CXCL3/CXCL5/CXCR2 Neutrophilic Chemotactic Axis in the Regulation of Type 2 Responses in a Model of Rhinoviral-Induced Asthma Exacerbation. Journal of Immunology, 2020, 205, 2468-2478. | 0.8 | 31 |
| 38 | Vaccinia virus lacking the Bcl-2-like protein N1 induces a stronger natural killer cell response to infection. Journal of General Virology, 2008, 89, 2877-2881. | 2.9 | 27 |
| 39 | Understanding Rhinovirus Circulation and Impact on Illness. Viruses, 2022, 14, 141. | 3.3 | 27 |
| 40 | Airway mucins promote immunopathology in virus-exacerbated chronic obstructive pulmonary disease. Journal of Clinical Investigation, 2022, 132, . | 8.2 | 27 |
| 41 | A new member of the interleukin 10-related cytokine family encoded by a poxvirus. Journal of General Virology, 2004, 85, 1401-1412. | 2.9 | 24 |
| 42 | Respiratory Viruses and Asthma. Seminars in Respiratory and Critical Care Medicine, 2018, 39, 045-055. | 2.1 | 24 |
| 43 | Persistent induction of goblet cell differentiation in the airways: Therapeutic approaches. , 2018, 185, 155-169. | | 24 |
| 44 | Airway epithelial-targeted nanoparticles for asthma therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L500-L509. | 2.9 | 23 |
| 45 | Airway mechanical compression: its role in asthma pathogenesis and progression. European Respiratory Review, 2020, 29, 190123. | 7.1 | 20 |
| 46 | miR-122 promotes virus-induced lung disease by targeting SOCS1. JCI Insight, 2021, 6, . | 5.0 | 17 |
| 47 | A cGAS-dependent response links DNA damage and senescence in alveolar epithelial cells: a potential drug target in IPF. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L859-L871. | 2.9 | 17 |
| 48 | Mouse Models of Rhinovirus Infection and Airways Disease. Methods in Molecular Biology, 2015, 1221, 181-188. | 0.9 | 16 |
| 49 | TLR2-mediated innate immune priming boosts lung anti-viral immunity. European Respiratory Journal, 2021, 58, 2001584. | 6.7 | 16 |
| 50 | TLR2-mediated activation of innate responses in the upper airways confers antiviral protection of the lungs. JCI Insight, 2021, 6, . | 5.0 | 15 |
| 51 | Rhinovirus-induced CCL17 and CCL22 in Asthma Exacerbations and Differential Regulation by STAT6. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 344-356. | 2.9 | 13 |
| 52 | Effect of fluticasone propionate on virus-induced airways inflammation and anti-viral immune responses in mice. Lancet, The, 2015, 385, S88. | 13.7 | 11 |
| 53 | Advances in the treatment of virus-induced asthma. Expert Review of Respiratory Medicine, 2016, 10, 629-641. | 2.5 | 9 |
| 54 | IL-25 blockade augments antiviral immunity during respiratory virus infection. Communications Biology, 2022, 5, 415. | 4.4 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Toll-like receptor-agonist-based therapies for respiratory viral diseases: thinking outside the cell. European Respiratory Review, 2022, 31, 210274. | 7.1 | 9 |
| 56 | Rhinovirus structure, replication, and classification. , 2019, , 1-23. | | 6 |
| 57 | Beclomethasone Has Lesser Suppressive Effects on Inflammation and Antibacterial Immunity Than Fluticasone or Budesonide in Experimental Infection Models. Chest, 2020, 158, 947-951. | 0.8 | 5 |
| 58 | Seroprevalence of Torque Teno Virus in hemodialysis and renal transplant patients in Australia: A crossâ€sectional study. Transplant Infectious Disease, 2020, 22, e13400. | 1.7 | 4 |
| 59 | Modeling the impact of low-dose particulate matter on lung health. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L550-L553. | 2.9 | 2 |
| 60 | In vivo experimental models of infection and disease. , 2019, , 195-238. | | 1 |
| 61 | Announcing the Editorial Board Fellowship Program of the American Journal of Physiology-Lung Cellular and Molecular Physiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L116-L118. | 2.9 | 1 |
| 62 | Promoting our early career members at AJP-Lung: The Editorial Board Fellowship Program and the Next Generation Physiologist Highlights section at our Journal. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L844-L846. | 2.9 | 1 |
| 63 | Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. , 0, . | | 1 |
| 64 | TLR7 agonist loaded airway epithelial targeting nanoparticles stimulate innate immunity and suppress viral replication in human bronchial epithelial cells. International Journal of Pharmaceutics, 2022, 617, 121586. | 5.2 | 1 |
| 65 | Role Of Interleukine-33 In Rhinovirus-Induced Allergic Asthma Exacerbation. Journal of Allergy and Clinical Immunology, 2014, 133, AB52. | 2.9 | 0 |
| 66 | Innate and Adaptive Lymphocyte Responses In a Mouse Model Of Rhinovirus-Induced Asthma Exacerbation. Journal of Allergy and Clinical Immunology, 2014, 133, AB135. | 2.9 | 0 |
| 67 | Dysregulated actin cytoskeleton associated with barrier dysfunction in asthma. FASEB Journal, 2021, 35, . | 0.5 | 0 |