Nathan W Bartlett

List of Publications by Year
in descending order

67	5,551	147801 31	133252 59
papers	citations	h-index	g-index

71	71	71	7027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding Rhinovirus Circulation and Impact on Illness. Viruses, 2022, 14, 141.	3.3	27
2	Airway mucins promote immunopathology in virus-exacerbated chronic obstructive pulmonary disease. Journal of Clinical Investigation, 2022, 132, .	8.2	27
3	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
4	IL-25 blockade augments antiviral immunity during respiratory virus infection. Communications Biology, 2022, 5, 415.	4.4	9
5	Toll-like receptor-agonist-based therapies for respiratory viral diseases: thinking outside the cell. European Respiratory Review, 2022, 31, 210274.	7.1	9
6	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
7	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
8	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
9	<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
10	Blood Interferon-Î± Levels and Severity, Outcomes, and Inflammatory Profiles in Hospitalized COVID-19 Patients. Frontiers in Immunology, 2021, 12, 648004.	4.8	60
11	TLR2-mediated activation of innate responses in the upper airways confers antiviral protection of the lungs. JCI Insight, 2021, 6, .	5.0	15
12	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
13	miR-122 promotes virus-induced lung disease by targeting SOCS1. JCI Insight, 2021, 6, .	5.0	17
14	Dysregulated actin cytoskeleton associated with barrier dysfunction in asthma. FASEB Journal, 2021, 35, .	0.5	0
15	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
16	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
17	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
18	TLR2-mediated innate immune priming boosts lung anti-viral immunity. European Respiratory Journal, 2021, 58, 2001584.	6.7	16

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19	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
20	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
21	Airway mechanical compression: its role in asthma pathogenesis and progression. European Respiratory Review, 2020, 29, 190123.	7.1	20
22	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
23	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
24	Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. Frontiers in Immunology, 2020, 11, 974.	4.8	60
25	Airway epithelial-targeted nanoparticles for asthma therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L500-L509.	2.9	23
26	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
27	Rhinovirus structure, replication, and classification. , 2019, , 1-23.		6
28	In vivo experimental models of infection and disease. , 2019, , 195-238.		1
29	Inhaled corticosteroid suppression of cathelicidin drives dysbiosis and bacterial infection in chronic obstructive pulmonary disease. Science Translational Medicine, 2019, 11, .	12.4	75
30	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
31	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
32	Extracellular vesicles in lung health, disease, and therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L977-L989.	2.9	48
33	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
34	Respiratory Viruses and Asthma. Seminars in Respiratory and Critical Care Medicine, 2018, 39, 045-055.	2.1	24
35	Persistent induction of goblet cell differentiation in the airways: Therapeutic approaches. , 2018, 185, 155-169.		24
36	Plasmacytoid dendritic cells drive acute asthma exacerbations. Journal of Allergy and Clinical Immunology, 2018, 142, 542-556.e12.	2.9	45

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37	Corticosteroid suppression of antiviral immunity increases bacterial loads and mucus production in COPD exacerbations. Nature Communications, 2018, 9, 2229.	12.8	153
38	Host DNA released by NETosis promotes rhinovirus-induced type-2 allergic asthma exacerbation. Nature Medicine, 2017, 23, 681-691.	30.7	260
39	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
40	Advances in the treatment of virus-induced asthma. Expert Review of Respiratory Medicine, 2016, 10, 629-641.	2.5	9
41	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
42	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
43	Effect of fluticasone propionate on virus-induced airways inflammation and anti-viral immune responses in mice. Lancet, The, 2015, 385, S88.	13.7	11
44	CCL7 and IRF-7 Mediate Hallmark Inflammatory and IFN Responses following Rhinovirus 1B Infection. Journal of Immunology, 2015, 194, 4924-4930.	0.8	39
45	Mouse Models of Rhinovirus Infection and Airways Disease. Methods in Molecular Biology, 2015, 1221, 181-188.	0.9	16
46	Rhinovirus-induced IL-25 in asthma exacerbation drives type 2 immunity and allergic pulmonary inflammation. Science Translational Medicine, 2014, 6, 256ra134.	12.4	280
47	Role Of Interleukine-33 In Rhinovirus-Induced Allergic Asthma Exacerbation. Journal of Allergy and Clinical Immunology, 2014, 133, AB52.	2.9	0
48	IL-33â€“Dependent Type 2 Inflammation during Rhinovirus-induced Asthma Exacerbations In Vivo. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1373-1382.	5.6	500
49	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
50	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
51	An Anti-Human ICAM-1 Antibody Inhibits Rhinovirus-Induced Exacerbations of Lung Inflammation. PLoS Pathogens, 2013, 9, e1003520.	4.7	69
52	Cross-Serotype Immunity Induced by Immunization with a Conserved Rhinovirus Capsid Protein. PLoS Pathogens, 2013, 9, e1003669.	4.7	69
53	Defining critical roles for NFâ€ºB p65 and type I interferon in innate immunity to rhinovirus. EMBO Molecular Medicine, 2012, 4, 1244-1260.	6.9	80
54	The microbiology of asthma. Nature Reviews Microbiology, 2012, 10, 459-471.	28.6	170

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55	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. Respirology, 2011, 16, 367-377.	2.3	43
56	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
57	Targeting the NF-Î²B pathway in asthma and chronic obstructive pulmonary disease. , 2009, 121, 1-13.		323
58	Genetics and epidemiology: asthma and infection. Current Opinion in Allergy and Clinical Immunology, 2009, 9, 395-400.	2.3	42
59	Mouse models of rhinovirus-induced disease and exacerbation of allergic airway inflammation. Nature Medicine, 2008, 14, 199-204.	30.7	339
60	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
61	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
62	Role of deficient type III interferon-Î» production in asthma exacerbations. Nature Medicine, 2006, 12, 1023-1026.	30.7	955
63	Deletion of gene A41L enhances vaccinia virus immunogenicity and vaccine efficacy. Journal of General Virology, 2006, 87, 29-38.	2.9	75
64	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
65	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
66	The vaccinia virus N1L protein is an intracellular homodimer that promotes virulence. Journal of General Virology, 2002, 83, 1965-1976.	2.9	108
67	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. , 0, .		1