

# Megan N Ballinger

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,153  
citations

257450

24  
h-index

233421

45  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic AMP. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 127-132.	2.9	337
2	Prostaglandin E2 Suppresses Bacterial Killing in Alveolar Macrophages by Inhibiting NADPH Oxidase. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 562-570.	2.9	148
3	Bleomycin-Induced E Prostanoid Receptor Changes Alter Fibroblast Responses to Prostaglandin E2. Journal of Immunology, 2005, 174, 5644-5649.	0.8	123
4	Cathelicidin-Related Antimicrobial Peptide Is Required for Effective Lung Mucosal Immunity in Gram-Negative Bacterial Pneumonia. Journal of Immunology, 2012, 189, 304-311.	0.8	97
5	Role of Granulocyte Macrophage Colony-Stimulating Factor during Gram-Negative Lung Infection with <i>Pseudomonas aeruginosa</i> . American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 766-774.	2.9	94
6	Defective Phagocytosis and Clearance of <i>Pseudomonas aeruginosa</i> in the Lung Following Bone Marrow Transplantation. Journal of Immunology, 2003, 171, 4416-4424.	0.8	93
7	Postinfluenza Bacterial Pneumonia: Host Defenses Gone Awry. Journal of Interferon and Cytokine Research, 2010, 30, 643-652.	1.2	81
8	Critical Role of Prostaglandin E2 Overproduction in Impaired Pulmonary Host Response following Bone Marrow Transplantation. Journal of Immunology, 2006, 177, 5499-5508.	0.8	78
9	Synthetic Prostacyclin Analogs Differentially Regulate Macrophage Function via Distinct Analog-Receptor Binding Specificities. Journal of Immunology, 2007, 178, 1628-1634.	0.8	78
10	Inhibition of Neutrophil Extracellular Trap Formation after Stem Cell Transplant by Prostaglandin E <sub>2</sub> . American Journal of Respiratory and Critical Care Medicine, 2016, 193, 186-197.	5.6	64
11	TLR4-dependent GM-CSF protects against lung injury in Gram-negative bacterial pneumonia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L447-L454.	2.9	61
12	PTEN Directly Activates the Actin Depolymerization Factor Cofilin-1 During PGE <sub>2</sub> -Mediated Inhibition of Phagocytosis of Fungi. Science Signaling, 2012, 5, ra12.	3.6	61
13	Cooperative Interactions between TLR4 and TLR9 Regulate Interleukin 23 and 17 Production in a Murine Model of Gram Negative Bacterial Pneumonia. PLoS ONE, 2010, 5, e9896.	2.5	51
14	FoxO1 regulates allergic asthmatic inflammation through regulating polarization of the macrophage inflammatory phenotype. Oncotarget, 2016, 7, 17532-17546.	1.8	51
15	Mast Cell-Intervertebral disc cell interactions regulate inflammation, catabolism and angiogenesis in Discogenic Back Pain. Scientific Reports, 2017, 7, 12492.	3.3	49
16	A Role for IL-1 Receptor-Associated Kinase-M in Prostaglandin E2-Induced Immunosuppression Post-Bone Marrow Transplantation. Journal of Immunology, 2010, 184, 6299-6308.	0.8	47
17	IRAK-M Promotes Alternative Macrophage Activation and Fibroproliferation in Bleomycin-Induced Lung Injury. Journal of Immunology, 2015, 194, 1894-1904.	0.8	47
18	MicroRNA-155 regulates host immune response to postviral bacterial pneumonia via IL-23/IL-17 pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L465-L475.	2.9	47

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19	COMPARISON OF CONDITIONING REGIMENS FOR ALVEOLAR MACROPHAGE RECONSTITUTION AND INNATE IMMUNE FUNCTION POST BONE MARROW TRANSPLANT. <i>Experimental Lung Research</i> , 2008, 34, 263-275.	1.2	38
20	Crosstalk between Prostaglandin E2 and Leukotriene B4 Regulates Phagocytosis in Alveolar Macrophages via Combinatorial Effects on Cyclic AMP. <i>Journal of Immunology</i> , 2009, 182, 530-537.	0.8	38
21	Leukotrienes Target F-actin/Cofilin-1 to Enhance Alveolar Macrophage Anti-fungal Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 28902-28913.	3.4	36
22	Morphological and functional characterization of honey bee, <i>Apis mellifera</i> , hemocyte cell communities. <i>Apidologie</i> , 2018, 49, 397-410.	2.0	32
23	FoxO1 is a critical regulator of M2-like macrophage activation in allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 535-548.	5.7	29
24	Eicosanoid regulation of pulmonary innate immunity post-hematopoietic stem cell transplantation. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2007, 55, 1-12.	2.3	28
25	Epigenetic Regulation of Tolerance to Toll-Like Receptor Ligands in Alveolar Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 872-881.	2.9	28
26	Redundant and Cooperative Interactions between TLR5 and NLRC4 in Protective Lung Mucosal Immunity against <i>Pseudomonas aeruginosa</i> . <i>Journal of Innate Immunity</i> , 2015, 7, 177-186.	3.8	27
27	Biomechanical Force and Cellular Stiffness in Lung Fibrosis. <i>American Journal of Pathology</i> , 2022, 192, 750-761.	3.8	23
28	Stachybotrys chartarum-Induced Hypersensitivity Pneumonitis Is TLR9 Dependent. <i>American Journal of Pathology</i> , 2011, 179, 2779-2787.	3.8	22
29	Inhibition of nuclear factor of activated T cells (NFAT) c3 activation attenuates acute lung injury and pulmonary edema in murine models of sepsis. <i>Oncotarget</i> , 2018, 9, 10606-10620.	1.8	22
30	Sirtuin 2 enhances allergic asthmatic inflammation. <i>JCI Insight</i> , 2019, 4, .	5.0	22
31	Macrophage HIF-1 $\alpha$ mediates obesity-related adipose tissue dysfunction via interleukin-1 receptor-associated kinase M. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E689-E700.	3.5	22
32	TLR Signaling Prevents Hyperoxia-Induced Lung Injury by Protecting the Alveolar Epithelium from Oxidant-Mediated Death. <i>Journal of Immunology</i> , 2012, 189, 356-364.	0.8	21
33	Paradoxical role of alveolar macrophage-derived granulocyte-macrophage colony-stimulating factor in pulmonary host defense post-bone marrow transplantation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L114-L122.	2.9	19
34	TLR9-Dependent IL-23/IL-17 Is Required for the Generation of <i>Stachybotrys chartarum</i> -Induced Hypersensitivity Pneumonitis. <i>Journal of Immunology</i> , 2013, 190, 349-356.	0.8	19
35	Linezolid Has Unique Immunomodulatory Effects in Post-Influenza Community Acquired MRSA Pneumonia. <i>PLoS ONE</i> , 2015, 10, e0114574.	2.5	18
36	PolyADP-Ribosylation of NFATc3 and NF- $\kappa$ B Transcription Factors Modulate Macrophage Inflammatory Gene Expression in LPS-Induced Acute Lung Injury. <i>Journal of Innate Immunity</i> , 2021, 13, 83-93.	3.8	17

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37	Tolerance and Cross-Tolerance following Toll-Like Receptor (TLR)-4 and -9 Activation Are Mediated by IRAK-M and Modulated by IL-7 in Murine Splenocytes. PLoS ONE, 2015, 10, e0132921.	2.5	15
38	Depletion of microRNA-451 in response to allergen exposure accentuates asthmatic inflammation by regulating Sirtuin2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L921-L930.	2.9	15
39	Mechanobiology of Pulmonary Diseases: A Review of Engineering Tools to Understand Lung Mechanotransduction. Journal of Biomechanical Engineering, 2021, 143, .	1.3	13
40	Transient Increase in Cyclic AMP Localized to Macrophage Phagosomes. PLoS ONE, 2010, 5, e13962.	2.5	11
41	Impaired neonatal macrophage phagocytosis is not explained by overproduction of prostaglandin E2. Respiratory Research, 2011, 12, 155.	3.6	8
42	Pulmonary Macrophages: Overlooked and Underappreciated. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 1-2.	2.9	8
43	IRAK-M Regulates Monocyte Trafficking to the Lungs in Response to Bleomycin Challenge. Journal of Immunology, 2020, 204, 2661-2670.	0.8	8
44	Innate Immune Responses in Ventilator-Associated Pneumonia. , 2013, , 185-212.		4
45	What Is "Normal" When Examining Myeloid Cells in Human Airways?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 931-932.	5.6	2
46	Unhinging the machinery of sepsis: An unexpected role for vascular smooth muscle. Journal of Leukocyte Biology, 2018, 104, 661-663.	3.3	1
47	Th17 Polarized Immune Responses In A Murine Model Of Hypersensitivity Pneumonitis: Role Of TLR9. , 2010, , .		0
48	The Role Of IRAK-M In Regulating Acute Lung Injury. , 2010, , .		0
49	The Role Of An Important Negative Regulator Of Toll Like Receptor Signaling, IRAK-M, In Mediating The Generation Of Antioxidants During Hyperoxic Lung Injury. , 2011, , .		0
50	TLR4-Mediated GM-CSF Protects Against Lung Injury In Gram-Negative Bacterial Pneumonia. , 2011, , .		0
51	Expression Of Novel IL-1 Family Members In Murine Gram-Negative Pneumonia. , 2012, , .		0
52	The TLR Signaling Inhibitor IRAK-M Potentiates Bleomycin-Induced Lung Injury And Fibrosis. , 2012, , .		0
53	Cooperative Roles Of TLR5 And IpaF In Murine Pseudomonas Aeruginosa Pneumonia. , 2012, , .		0
54	Pumping the Brakes on Pulmonary Fibrosis: A New Role for Regulator of Cell Cycle. American Journal of Respiratory Cell and Molecular Biology, 2021, , .	2.9	0