Hiam Abdala-Valencia

List of Publications by Year
in descending order

67 papers	5,008 citations	185998 28 h-index	110170 64 g-index
75 all docs	75 docs citations	75 times ranked	9098 citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1517-1536.	2.5	866
2	Monocyte-derived alveolar macrophages drive lung fibrosis and persist in the lung over the life span. Journal of Experimental Medicine, 2017, 214, 2387-2404.	4.2	755
3	Circuits between infected macrophages and T cells in SARS-CoV-2 pneumonia. Nature, 2021, 590, 635-641.	13.7	524
4	Vascular Cell Adhesion Molecule-1 Expression and Signaling During Disease: Regulation by Reactive Oxygen Species and Antioxidants. Antioxidants and Redox Signaling, 2011, 15, 1607-1638.	2.5	410
5	Mitochondrial complex III is essential for suppressive function of regulatory T cells. Nature, 2019, 565, 495-499.	13.7	323
6	Lung transplantation for patients with severe COVID-19. Science Translational Medicine, 2020, 12, .	5.8	246
7	Isoforms of Vitamin E Have Opposing Immunoregulatory Functions during Inflammation by Regulating Leukocyte Recruitment. Journal of Immunology, 2009, 182, 4395-4405.	0.4	105
8	Shaping eosinophil identity in the tissue contexts of development, homeostasis, and disease. Journal of Leukocyte Biology, 2018, 104, 95-108.	1.5	102
9	The lung microenvironment shapes a dysfunctional response of alveolar macrophages in aging. Journal of Clinical Investigation, 2021, 131, .	3.9	86
10	Two Faces of Vitamin E in the Lung. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 279-284.	2.5	79
11	Metformin Targets Mitochondrial Electron Transport to Reduce Air-Pollution-Induced Thrombosis. Cell Metabolism, 2019, 29, 335-347.e5.	7.2	75
12	Donor pulmonary intravascular nonclassical monocytes recruit recipient neutrophils and mediate primary lung allograft dysfunction. Science Translational Medicine, 2017, 9, .	5.8	65
13	VCAM-1 Signals Activate Endothelial Cell Protein Kinase CÎ± via Oxidation. Journal of Immunology, 2006, 177, 6379-6387.	0.4	64
14	VCAM-1 Activation of Endothelial Cell Protein Tyrosine Phosphatase 1B. Journal of Immunology, 2007, 178, 3865-3873.	0.4	64
15	Supplemental and Highly Elevated Tocopherol Doses Differentially Regulate Allergic Inflammation: Reversibility of Î±-Tocopherol and Î³-Tocopherolâ€™s Effects. Journal of Immunology, 2011, 186, 3674-3685.	0.4	60
16	GÂi2-mediated signaling events in the endothelium are involved in controlling leukocyte extravasation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4371-4376.	3.3	56
17	Nonhematopoietic NADPH oxidase regulation of lung eosinophilia and airway hyperresponsiveness in experimentally induced asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L1111-L1125.	1.3	55
18	Maintenance DNA methylation is essential for regulatory T cell development and stability of suppressive function. Journal of Clinical Investigation, 2020, 130, 6571-6587.	3.9	51

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19	Multidimensional assessment of alveolar T cells in critically ill patients. JCI Insight, 2018, 3, .	2.3	49
20	Transcriptional Profiling of Synovial Macrophages Using Minimally Invasive Ultrasoundâ€Guided Synovial Biopsies in Rheumatoid Arthritis. Arthritis and Rheumatology, 2018, 70, 841-854.	2.9	44
21	Activation of the 15-lipoxygenase pathway in aspirin-exacerbated respiratory disease. Journal of Allergy and Clinical Immunology, 2021, 147, 600-612.	1.5	43
22	DNA methylation regulates the neonatal CD4+ T-cell response to pneumonia in mice. Journal of Biological Chemistry, 2018, 293, 11772-11783.	1.6	41
23	Vitamin E Isoforms Differentially Regulate Intercellular Adhesion Molecule-1 Activation of PKCÎ± in Human Microvascular Endothelial Cells. PLoS ONE, 2012, 7, e41054.	1.1	41
24	PTP1B Deficiency Exacerbates Inflammation and Accelerates Leukocyte Trafficking In Vivo. Journal of Immunology, 2012, 188, 874-884.	0.4	39
25	Î±-Tocopherol supplementation of allergic female mice inhibits development of CD11c⁺CD11b⁺dendritic cells in utero and allergic inflammation in neonates. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L482-L496.	1.3	39
26	Vitamin E Isoforms as Modulators of Lung Inflammation. Nutrients, 2013, 5, 4347-4363.	1.7	38
27	Posttranslational Regulation of the Exon Skipping Machinery Controls Aberrant Splicing in Leukemia. Cancer Discovery, 2020, 10, 1388-1409.	7.7	37
28	Interaction of vitamin E isoforms on asthma and allergic airway disease. Thorax, 2016, 71, 954-956.	2.7	36
29	Resetting proteostasis with ISRIB promotes epithelial differentiation to attenuate pulmonary fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	36
30	Crosstalk between nonclassical monocytes and alveolar macrophages mediates transplant ischemia-reperfusion injury through classical monocyte recruitment. JCI Insight, 2021, 6, .	2.3	34
31	Multidimensional Assessment of the Host Response in Mechanically Ventilated Patients with Suspected Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1225-1237.	2.5	32
32	Î³-Tocopherol supplementation of allergic female mice augments development of CD11c⁺CD11b⁺dendritic cells in utero and allergic inflammation in neonates. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L759-L771.	1.3	28
33	Elevation of activated neutrophils in chronic rhinosinusitis with nasal polyps. Journal of Allergy and Clinical Immunology, 2022, 149, 1666-1674.	1.5	28
34	Bim suppresses the development of SLE by limiting myeloid inflammatory responses. Journal of Experimental Medicine, 2017, 214, 3753-3773.	4.2	27
35	Age-related Differences in the Nasal Mucosal Immune Response to SARS-CoV-2. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 206-222.	1.4	27
36	Endothelial cell PTP1B regulates leukocyte recruitment during allergic inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L240-L249.	1.3	26

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37	Aging imparts cell-autonomous dysfunction to regulatory T cells during recovery from influenza pneumonia. JCI Insight, 2021, 6, .	2.3	25
38	Inhibition of allergic inflammation by supplementation with 5-hydroxytryptophan. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L642-L660.	1.3	24
39	Mechanisms for Vascular Cell Adhesion Molecule-1 Activation of ERK1/2 during Leukocyte Transendothelial Migration. PLoS ONE, 2011, 6, e26706.	1.1	21
40	Impaired phagocytic function in CX3CR1⁺ tissueâ€resident skeletal muscle macrophages prevents muscle recovery after influenza A virusâ€induced pneumonia in old mice. Aging Cell, 2020, 19, e13180.	3.0	21
41	Transcriptional profiling of pediatric cholestatic livers identifies three distinct macrophage populations. PLoS ONE, 2021, 16, e0244743.	1.1	20
42	Eosinophil accumulation in postnatal lung is specific to the primary septation phase of development. Scientific Reports, 2020, 10, 4425.	1.6	18
43	Antileishmanial activities and mechanisms of action of indole-based azoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 277-283.	2.5	17
44	Regulation of allergic lung inflammation by endothelial cell transglutaminase 2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L573-L583.	1.3	16
45	Epithelial cellâ€“specific loss of function of Miz1 causes a spontaneous COPD-like phenotype and up-regulates Ace2 expression in mice. Science Advances, 2020, 6, eabb7238.	4.7	16
46	SF3B1 homeostasis is critical for survival and therapeutic response in T cell leukemia. Science Advances, 2022, 8, eabj8357.	4.7	16
47	Inflammatory pathways are upregulated in the nasal epithelium in patients with idiopathic pulmonary fibrosis. Respiratory Research, 2018, 19, 233.	1.4	13
48	VCAM-1 induces signals that stimulate ZO-1 serine phosphorylation and reduces ZO-1 localization at lung endothelial cell junctions. Journal of Leukocyte Biology, 2018, 104, 215-228.	1.5	13
49	Tetraspanin CD151 Is a Negative Regulator of FcÎµRI-Mediated Mast Cell Activation. Journal of Immunology, 2015, 195, 1377-1387.	0.4	12
50	Transcriptional consequences of impaired immune cell responses induced by cystic fibrosis plasma characterized via dual RNA sequencing. BMC Medical Genomics, 2019, 12, 66.	0.7	11
51	More than neutrophils: Lin(+)Ly6G(+)IL-5RÎ±(+) multipotent myeloid cells (MMCs) are dominant in normal murine bone marrow and retain capacity to differentiate into eosinophils and monocytes. Journal of Leukocyte Biology, 2021, 111, 113-122.	1.5	10
52	PAX9 Determines Epigenetic State Transition and Cell Fate in Cancer. Cancer Research, 2021, 81, 4696-4708.	0.4	10
53	Matrix protein tenascin-C expands and reversibly blocks maturation of murine eosinophil progenitors. Journal of Allergy and Clinical Immunology, 2018, 142, 695-698.e4.	1.5	9
54	Fibrinogen Is a Specific Trigger for Cytolytic Eosinophil Degranulation. Journal of Immunology, 2020, 204, 438-448.	0.4	9

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55	Ubiquinone Synthesis in Mitochondrial and Microsomal Subcellular Fractions of Pneumocystis spp.: Differential Sensitivities to Atovaquone. Eukaryotic Cell, 2005, 4, 1483-1492.	3.4	8
56	Comparative Study of SARS-CoV-2, SARS-CoV-1, MERS-CoV, HCoV-229E and Influenza Host Gene Expression in Asthma: Importance of Sex, Disease Severity, and Epithelial Heterogeneity. Viruses, 2021, 13, 1081.	1.5	8
57	Metabolism of Epithelial Cells in Health and Allergic Disease: Collegium Internationale Allergologicum Update 2021. International Archives of Allergy and Immunology, 2021, 182, 1-16.	0.9	6
58	Placental dysfunction influences fetal monocyte subpopulation gene expression in preterm birth. JCI Insight, 2022, 7, .	2.3	4
59	Correction: Isoforms of Vitamin E Have Opposing Immunoregulatory Functions during Inflammation by Regulating Leukocyte Recruitment. Journal of Immunology, 2010, 185, 1341-1341.	0.4	2
60	Systemic imbalance in hormone levels associates with epithelial barrier dysfunction in allergic disease. Journal of Allergy and Clinical Immunology, 2017, 139, AB263.	1.5	2
61	The proteostatic network chaperome is downregulated in F508del homozygote cystic fibrosis. Journal of Cystic Fibrosis, 2021, 20, 356-363.	0.3	2
62	Expression of ACE2â€"a Key SARS-CoV-2 Entry Factorâ€"Is Not Increased in the Nasal Mucosa of People with Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 132-137.	1.4	2
63	Gender-Specific Dysregulation Of The Endocrine System Is A Novel Feature Of Asthma. Journal of Allergy and Clinical Immunology, 2018, 141, AB6.	1.5	1
64	Correction: PTP1B Deficiency Exacerbates Inflammation and Accelerates Leukocyte Trafficking In Vivo. Journal of Immunology, 2013, 190, 3008-3008.	0.4	0
65	More Than Estrogen: Puberty Switch Of Non-Sex Hormones In Allergic Disease. Journal of Allergy and Clinical Immunology, 2018, 141, AB10.	1.5	0
66	Forms of Vitamin E have Opposing Effects on Experimental Asthma. FASEB Journal, 2008, 22, 671.8.	0.2	0
67	Disease Specific Signatures Identified by RNAâ€seq of Sorted Lung Cellular Populations. FASEB Journal, 2017, 31, 656.4.	0.2	0