

# Adeeb H Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

10,713  
citations

76326

40  
h-index

56724

83  
g-index

98  
all docs

98  
docs citations

98  
times ranked

21672  
citing authors

#	ARTICLE	IF	CITATIONS
1	An inflammatory cytokine signature predicts COVID-19 severity and survival. <i>Nature Medicine</i> , 2020, 26, 1636-1643.	30.7	1,860
2	Innate Immune Landscape in Early Lung Adenocarcinoma by Paired Single-Cell Analyses. <i>Cell</i> , 2017, 169, 750-765.e17.	28.9	937
3	Expansion and Activation of CD103+ Dendritic Cell Progenitors at the Tumor Site Enhances Tumor Responses to Therapeutic PD-L1 and BRAF Inhibition. <i>Immunity</i> , 2016, 44, 924-938.	14.3	857
4	Single-cell immune landscape of human atherosclerotic plaques. <i>Nature Medicine</i> , 2019, 25, 1576-1588.	30.7	540
5	Single-Cell Analysis of Crohn's Disease Lesions Identifies a Pathogenic Cellular Module Associated with Resistance to Anti-TNF Therapy. <i>Cell</i> , 2019, 178, 1493-1508.e20.	28.9	519
6	Regulation of macrophage development and function in peripheral tissues. <i>Nature Reviews Immunology</i> , 2015, 15, 731-744.	22.7	489
7	A conserved dendritic-cell regulatory program limits antitumour immunity. <i>Nature</i> , 2020, 580, 257-262.	27.8	476
8	Mapping Systemic Inflammation and Antibody Responses in Multisystem Inflammatory Syndrome in Children (MIS-C). <i>Cell</i> , 2020, 183, 982-995.e14.	28.9	440
9	Macrophages orchestrate breast cancer early dissemination and metastasis. <i>Nature Communications</i> , 2018, 9, 21.	12.8	331
10	Systemic clinical tumor regressions and potentiation of PD1 blockade with in situ vaccination. <i>Nature Medicine</i> , 2019, 25, 814-824.	30.7	293
11	The innate immune sensor NLRC3 attenuates Toll-like receptor signaling via modification of the signaling adaptor TRAF6 and transcription factor NF- $\kappa$ B. <i>Nature Immunology</i> , 2012, 13, 823-831.	14.5	279
12	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. <i>Cell</i> , 2019, 178, 1102-1114.e17.	28.9	254
13	Host-Protozoan Interactions Protect from Mucosal Infections through Activation of the Inflammasome. <i>Cell</i> , 2016, 167, 444-456.e14.	28.9	251
14	Clustergrammer, a web-based heatmap visualization and analysis tool for high-dimensional biological data. <i>Scientific Data</i> , 2017, 4, 170151.	5.3	176
15	Single-cell analysis of human non-small cell lung cancer lesions refines tumor classification and patient stratification. <i>Cancer Cell</i> , 2021, 39, 1594-1609.e12.	16.8	151
16	The contribution of direct TLR signaling to T cell responses. <i>Immunologic Research</i> , 2009, 45, 25-36.	2.9	118
17	Intestinal Host Response to SARS-CoV-2 Infection and COVID-19 Outcomes in Patients With Gastrointestinal Symptoms. <i>Gastroenterology</i> , 2021, 160, 2435-2450.e34.	1.3	118
18	Macrophage Biology, Classification, and Phenotype in Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2166-2180.	2.8	109

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19	Protein Barcodes Enable High-Dimensional Single-Cell CRISPR Screens. <i>Cell</i> , 2018, 175, 1141-1155.e16.	28.9	107
20	Systemic innate immune activation in food protein-induced enterocolitis syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1885-1896.e9.	2.9	97
21	T cell expression of MyD88 is required for resistance to <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3855-3860.	7.1	96
22	Microbiota regulate the ability of lung dendritic cells to induce IgA class-switch recombination and generate protective gastrointestinal immune responses. <i>Journal of Experimental Medicine</i> , 2016, 213, 53-73.	8.5	94
23	Neurocognitive and hypokinetic movement disorder with features of parkinsonism after BCMA-targeting CAR-T cell therapy. <i>Nature Medicine</i> , 2021, 27, 2099-2103.	30.7	92
24	Spatial CRISPR genomics identifies regulators of the tumor microenvironment. <i>Cell</i> , 2022, 185, 1223-1239.e20.	28.9	79
25	CpG DNA inhibits CD4+CD25+ Treg suppression through direct MyD88-dependent costimulation of effector CD4+ T cells. <i>Immunology Letters</i> , 2007, 108, 183-188.	2.5	70
26	Ulcerative colitis is characterized by a plasmablast-skewed humoral response associated with disease activity. <i>Nature Medicine</i> , 2022, 28, 766-779.	30.7	70
27	MyD88 Plays a Critical T Cell-Intrinsic Role in Supporting CD8 T Cell Expansion during Acute Lymphocytic Choriomeningitis Virus Infection. <i>Journal of Immunology</i> , 2008, 181, 3804-3810.	0.8	69
28	Expansion of inflammatory innate lymphoid cells in patients with common variable immune deficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1206-1215.e6.	2.9	69
29	Comprehensive innate immune profiling of chikungunya virus infection in pediatric cases. <i>Molecular Systems Biology</i> , 2018, 14, e7862.	7.2	66
30	Anti-IL4 <sup>hi</sup> 27 therapy targets lymphoid aggregates in the gastrointestinal tract of HIV-1-infected individuals. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	65
31	Heparin reduces nonspecific eosinophil staining artifacts in mass cytometry experiments. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 601-607.	1.5	64
32	Human Lymph Nodes Maintain TCF-1hi Memory T Cells with High Functional Potential and Clonal Diversity throughout Life. <i>Journal of Immunology</i> , 2018, 201, 2132-2140.	0.8	63
33	The role of toll-like receptors in systemic lupus erythematosus. <i>Seminars in Immunopathology</i> , 2006, 28, 131-143.	4.0	62
34	Development of a Comprehensive Antibody Staining Database Using a Standardized Analytics Pipeline. <i>Frontiers in Immunology</i> , 2019, 10, 1315.	4.8	55
35	Evidence of potent humoral immune activity in COVID-19-infected kidney transplant recipients. <i>American Journal of Transplantation</i> , 2020, 20, 3149-3161.	4.7	54
36	BAFF-driven B cell hyperplasia underlies lung disease in common variable immunodeficiency. <i>JCI Insight</i> , 2019, 4, .	5.0	54

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37	A Frameshift in CSF2RB Predominant Among Ashkenazi Jews Increases Risk for Crohn's Disease and Reduces Monocyte Signaling via GM-CSF. <i>Gastroenterology</i> , 2016, 151, 710-723.e2.	1.3	51
38	T-cell exhaustion correlates with improved outcomes in kidney transplant recipients. <i>Kidney International</i> , 2019, 96, 436-449.	5.2	49
39	Cell size assays for mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 14-24.	1.5	48
40	Dendritic cells and liver fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 998-1004.	3.8	47
41	Central Role of Conventional Dendritic Cells in Regulation of Bone Marrow Release and Survival of Neutrophils. <i>Journal of Immunology</i> , 2014, 192, 3374-3382.	0.8	45
42	Vitamin D for your patients with chronic hepatitis C?. <i>Journal of Hepatology</i> , 2013, 58, 184-189.	3.7	43
43	Human Intestinal Allografts Contain Functional Hematopoietic Stem and Progenitor Cells that Are Maintained by a Circulating Pool. <i>Cell Stem Cell</i> , 2019, 24, 227-239.e8.	11.1	43
44	Comprehensive Immunoprofiling of Pediatric Zika Reveals Key Role for Monocytes in the Acute Phase and No Effect of Prior Dengue Virus Infection. <i>Cell Reports</i> , 2020, 31, 107569.	6.4	43
45	Downregulation of exhausted cytotoxic T cells in gene expression networks of multisystem inflammatory syndrome in children. <i>Nature Communications</i> , 2021, 12, 4854.	12.8	42
46	Multi-site reproducibility of a human immunophenotyping assay in whole blood and peripheral blood mononuclear cells preparations using CyTOF technology coupled with Maxpar Pathsetter, an automated data analysis system. <i>Cytometry Part B - Clinical Cytometry</i> , 2020, 98, 146-160.	1.5	41
47	Frontline Science: HIV infection of Kupffer cells results in an amplified proinflammatory response to LPS. <i>Journal of Leukocyte Biology</i> , 2017, 101, 1083-1090.	3.3	38
48	High-dimensional immune phenotyping and transcriptional analyses reveal robust recovery of viable human immune and epithelial cells from frozen gastrointestinal tissue. <i>Mucosal Immunology</i> , 2018, 11, 1684-1693.	6.0	38
49	Limited extent and consequences of pancreatic SARS-CoV-2 infection. <i>Cell Reports</i> , 2022, 38, 110508.	6.4	36
50	Inhaled steroids reduce pain and sVCAM levels in individuals with sickle cell disease: A triple-blind, randomized trial. <i>American Journal of Hematology</i> , 2017, 92, 622-631.	4.1	31
51	TGF- $\beta$ 1 protein trap AVID200 beneficially affects hematopoiesis and bone marrow fibrosis in myelofibrosis. <i>JCI Insight</i> , 2021, 6, .	5.0	31
52	Mass cytometry profiling the response of basophils and the complete peripheral blood compartment to peanut. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1741-1744.e9.	2.9	29
53	A streamlined whole blood CyTOF workflow defines a circulating immune cell signature of COVID-19. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 446-461.	1.5	28
54	Human plasmacytoid dendritic cells mount a distinct antiviral response to virus-infected cells. <i>Science Immunology</i> , 2021, 6, .	11.9	28

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55	Average Overlap Frequency: A simple metric to evaluate staining quality and community identification in high dimensional mass cytometry experiments. <i>Journal of Immunological Methods</i> , 2018, 453, 20-29.	1.4	27
56	Sampling the host response to SARS-CoV-2 in hospitals under siege. <i>Nature Medicine</i> , 2020, 26, 1157-1158.	30.7	27
57	Immunomodulation in Pomalidomide, Dexamethasone, and Daratumumab-Treated Patients with Relapsed/Refractory Multiple Myeloma. <i>Clinical Cancer Research</i> , 2020, 26, 5895-5902.	7.0	25
58	High-Parameter Immune Profiling with CyTOF. <i>Methods in Molecular Biology</i> , 2020, 2055, 351-368.	0.9	23
59	Antiviral memory CD8 T-cell differentiation, maintenance, and secondary expansion occur independently of MyD88. <i>Blood</i> , 2011, 117, 3123-3130.	1.4	21
60	Medullary thymic epithelial cells and CD8 $\alpha^+$ + dendritic cells coordinately regulate central tolerance but CD8 $\alpha^+$ + cells are dispensable for thymic regulatory T cell production. <i>Journal of Autoimmunity</i> , 2016, 75, 141-149.	6.5	21
61	Immunophenotyping assessment in a COVID-19 cohort (IMPACC): A prospective longitudinal study. <i>Science Immunology</i> , 2021, 6, .	11.9	20
62	Deep Analysis of the Peripheral Immune System in IBD Reveals New Insight in Disease Subtyping and Response to Monotherapy or Combination Therapy. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 599-632.	4.5	17
63	Acquisition, Processing, and Quality Control of Mass Cytometry Data. <i>Methods in Molecular Biology</i> , 2019, 1989, 13-31.	0.9	16
64	A Modified Injector and Sample Acquisition Protocol Can Improve Data Quality and Reduce Interâ€Instrument Variability of the Helios Mass Cytometer. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1019-1030.	1.5	15
65	EGR-2 Is Not Required for In Vivo CD4 T Cell Mediated Immune Responses. <i>PLoS ONE</i> , 2010, 5, e12904.	2.5	13
66	Hepatitis C virus doubleâ€stranded RNA is the predominant form in human liver and in interferonâ€treated cells. <i>Hepatology</i> , 2017, 66, 357-370.	7.3	13
67	Highâ€dimensional single cell mapping of cerium distribution in the lung immune microenvironment of an active smoker. <i>Cytometry Part B - Clinical Cytometry</i> , 2018, 94, 941-945.	1.5	11
68	Application of phospho-CyTOF to characterize immune activation in patients with sickle cell disease in an ex vivo model of thrombosis. <i>Journal of Immunological Methods</i> , 2018, 453, 11-19.	1.4	11
69	Individual liver plasmacytoid dendritic cells are capable of producing IFN $\gamma$ and multiple additional cytokines during chronic HCV infection. <i>PLoS Pathogens</i> , 2019, 15, e1007935.	4.7	11
70	Guidelines for standardizing Tâ€cell cytometry assays to link biomarkers, mechanisms, and disease outcomes in type 1 diabetes. <i>European Journal of Immunology</i> , 2022, 52, 372-388.	2.9	10
71	Vitamin D status of human immunodeficiency virus-positive patients with advanced liver disease enrolled in the solid organ transplantation in HIV: Multi-site study. <i>Liver Transplantation</i> , 2014, 20, 156-164.	2.4	9
72	A subset of liver resident natural killer cells is expanded in hepatitis C-infected patients with better liver function. <i>Scientific Reports</i> , 2021, 11, 1551.	3.3	8

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73	Immune Profiling Mass Cytometry Assay Harmonization: Multicenter Experience from CIMAC-CIDC. <i>Clinical Cancer Research</i> , 2021, 27, 5062-5071.	7.0	8
74	Increased HLA-E Expression Correlates with Early Relapse in Multiple Myeloma. <i>Blood</i> , 2018, 132, 59-59.	1.4	4
75	Multidimensional Single Cell Analysis Shows Increased T/NK Cell Subsets in Both Blood and Bone Marrow of Iberdomide (CC-220) Treated Relapsed/Refractory Multiple Myeloma Patients. <i>Blood</i> , 2019, 134, 1775-1775.	1.4	3
76	Unraveling function and diversity of bacterial lectins in the human microbiome. <i>Nature Communications</i> , 2022, 13, .	12.8	3
77	Flow Cytometry Based Detection of MRD in Bone Marrow of Patients with Multiple Myeloma: A Comparison Between Fluorescent-Based Cytometry Versus Cytof. <i>Blood</i> , 2015, 126, 4195-4195.	1.4	2
78	CIMAC-CIDC CyTOF harmonization.. <i>Journal of Clinical Oncology</i> , 2020, 38, e15242-e15242.	1.6	1
79	Mass Cytometry Analysis of Whole Blood Response to an Allergen. <i>Methods in Molecular Biology</i> , 2022, , 269-280.	0.9	1
80	Flow Cytometric Methods for the Assessment of Allergic Disease. <i>Methods in Molecular Biology</i> , 2013, 1032, 297-313.	0.9	0
81	Dynamic changes in the immune infiltrate within hepatocellular carcinoma tumor correlate with response to PD-1 blockade.. <i>Journal of Clinical Oncology</i> , 2019, 37, e15644-e15644.	1.6	0
82	Genomic and Immunologic Analysis of Cmaf and Hypermutated Multiple Myeloma: Implications for Immunologic Therapy. <i>Blood</i> , 2019, 134, 3093-3093.	1.4	0
83	High Dimensional Immune Profiling in Smoldering Multiple Myeloma Identifies Novel Organizing Features of the Tumor Microenvironment. <i>Blood</i> , 2019, 134, 4384-4384.	1.4	0
84	Single-Cell RNA-Seq Analysis of CD138-Depleted Bone Marrow Samples Reveals Genetic Alterations and Disease Progression Correlate with Tumor and Bone Marrow Immune Microenvironment in the Mmrf Compass Study. <i>Blood</i> , 2021, 138, 2691-2691.	1.4	0