

Muzlifah A Haniffa

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

19,828
citations

29994

54
h-index

40881

93
g-index

117
all docs

117
docs citations

117
times ranked

31844
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. <i>Cell</i> , 2020, 181, 1016-1035.e19.	13.5	1,956
2	Single-cell RNA-seq reveals new types of human blood dendritic cells, monocytes, and progenitors. <i>Science</i> , 2017, 356, .	6.0	1,846
3	The Human Cell Atlas. <i>ELife</i> , 2017, 6, .	2.8	1,547
4	Single-cell reconstruction of the early maternal-fetal interface in humans. <i>Nature</i> , 2018, 563, 347-353.	13.7	1,547
5	IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses. <i>Immunity</i> , 2013, 38, 970-983.	6.6	703
6	Human Tissues Contain CD141hi Cross-Presenting Dendritic Cells with Functional Homology to Mouse CD103+ Nonlymphoid Dendritic Cells. <i>Immunity</i> , 2012, 37, 60-73.	6.6	643
7	Comparison of gene expression profiles between human and mouse monocyte subsets. <i>Blood</i> , 2010, 115, e10-e19.	0.6	609
8	<i>IRF8</i> Mutations and Human Dendritic-Cell Immunodeficiency. <i>New England Journal of Medicine</i> , 2011, 365, 127-138.	13.9	564
9	Single-cell transcriptomes from human kidneys reveal the cellular identity of renal tumors. <i>Science</i> , 2018, 361, 594-599.	6.0	511
10	Single-cell multi-omics analysis of the immune response in COVID-19. <i>Nature Medicine</i> , 2021, 27, 904-916.	15.2	452
11	Human dendritic cell subsets. <i>Immunology</i> , 2013, 140, 22-30.	2.0	448
12	Mapping the human DC lineage through the integration of high-dimensional techniques. <i>Science</i> , 2017, 356, .	6.0	429
13	Decoding human fetal liver haematopoiesis. <i>Nature</i> , 2019, 574, 365-371.	13.7	392
14	A cell atlas of human thymic development defines T cell repertoire formation. <i>Science</i> , 2020, 367, .	6.0	368
15	Single-Cell Transcriptomics of Regulatory T Cells Reveals Trajectories of Tissue Adaptation. <i>Immunity</i> , 2019, 50, 493-504.e7.	6.6	352
16	Adult Human Fibroblasts Are Potent Immunoregulatory Cells and Functionally Equivalent to Mesenchymal Stem Cells. <i>Journal of Immunology</i> , 2007, 179, 1595-1604.	0.4	319
17	Mesenchymal stem cells: the fibroblasts' new clothes?. <i>Haematologica</i> , 2009, 94, 258-263.	1.7	303
18	Spatiotemporal immune zonation of the human kidney. <i>Science</i> , 2019, 365, 1461-1466.	6.0	281

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19	The human syndrome of dendritic cell, monocyte, B and NK lymphoid deficiency. <i>Journal of Experimental Medicine</i> , 2011, 208, 227-234.	4.2	277
20	Antigen-Presenting Cells in the Skin. <i>Annual Review of Immunology</i> , 2017, 35, 469-499.	9.5	275
21	Cells of the human intestinal tract mapped across space and time. <i>Nature</i> , 2021, 597, 250-255.	13.7	266
22	Developmental cell programs are co-opted in inflammatory skin disease. <i>Science</i> , 2021, 371, .	6.0	264
23	Human Dermal CD14 + Cells Are a Transient Population of Monocyte-Derived Macrophages. <i>Immunity</i> , 2014, 41, 465-477.	6.6	256
24	Metabolic regulation of hepatitis B immunopathology by myeloid-derived suppressor cells. <i>Nature Medicine</i> , 2015, 21, 591-600.	15.2	226
25	Differential rates of replacement of human dermal dendritic cells and macrophages during hematopoietic stem cell transplantation. <i>Journal of Experimental Medicine</i> , 2009, 206, 371-385.	4.2	222
26	Human fetal dendritic cells promote prenatal T-cell immune suppression through arginase-2. <i>Nature</i> , 2017, 546, 662-666.	13.7	199
27	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. <i>Journal of Experimental Medicine</i> , 2013, 210, 2321-2336.	4.2	190
28	The evolution of cellular deficiency in GATA2 mutation. <i>Blood</i> , 2014, 123, 863-874.	0.6	189
29	Single-Cell RNA Sequencing Reveals a Dynamic Stromal Niche That Supports Tumor Growth. <i>Cell Reports</i> , 2020, 31, 107628.	2.9	186
30	Local and systemic responses to SARS-CoV-2 infection in children and adults. <i>Nature</i> , 2022, 602, 321-327.	13.7	179
31	Gene expression variability across cells and species shapes innate immunity. <i>Nature</i> , 2018, 563, 197-202.	13.7	165
32	Human oral mucosa cell atlas reveals a stromal-neutrophil axis regulating tissue immunity. <i>Cell</i> , 2021, 184, 4090-4104.e15.	13.5	163
33	Ontogeny and Functional Specialization of Dendritic Cells in Human and Mouse. <i>Advances in Immunology</i> , 2013, 120, 1-49.	1.1	157
34	Early IFN- γ signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. <i>Immunity</i> , 2021, 54, 2650-2669.e14.	6.6	145
35	Human skin dendritic cells in health and disease. <i>Journal of Dermatological Science</i> , 2015, 77, 85-92.	1.0	144
36	Hematopoietic origin of Langerhans cell histiocytosis and Erdheim-Chester disease in adults. <i>Blood</i> , 2017, 130, 167-175.	0.6	136

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37	Human dendritic cell deficiency: the missing ID?. <i>Nature Reviews Immunology</i> , 2011, 11, 575-583.	10.6	127
38	Inherent mosaicism and extensive mutation of human placentas. <i>Nature</i> , 2021, 592, 80-85.	13.7	126
39	Mapping the developing human immune system across organs. <i>Science</i> , 2022, 376, eabo0510.	6.0	126
40	Human mononuclear phagocyte system reunited. <i>Seminars in Cell and Developmental Biology</i> , 2015, 41, 59-69.	2.3	116
41	Human and Mouse Mononuclear Phagocyte Networks: A Tale of Two Species?. <i>Frontiers in Immunology</i> , 2015, 6, 330.	2.2	115
42	A roadmap for the Human Developmental Cell Atlas. <i>Nature</i> , 2021, 597, 196-205.	13.7	114
43	Differential regulation of naïve and memory CD4+ T cells by alternatively activated dendritic cells. <i>Journal of Leukocyte Biology</i> , 2008, 84, 124-133.	1.5	113
44	A Three-Dimensional Atlas of Human Dermal Leukocytes, Lymphatics, and Blood Vessels. <i>Journal of Investigative Dermatology</i> , 2014, 134, 965-974.	0.3	111
45	Langerin-expressing dendritic cells in human tissues are related to CD1c+ dendritic cells and distinct from Langerhans cells and CD141 ^{high} XCR1+ dendritic cells. <i>Journal of Leukocyte Biology</i> , 2015, 97, 627-634.	1.5	105
46	A single cell atlas of human cornea that defines its development, limbal progenitor cells and their interactions with the immune cells. <i>Ocular Surface</i> , 2021, 21, 279-298.	2.2	102
47	Epithelial damage and tissue-resident T cells promote a unique tumor-protective IgE response. <i>Nature Immunology</i> , 2018, 19, 859-870.	7.0	92
48	Prenatal development of human immunity. <i>Science</i> , 2020, 368, 600-603.	6.0	90
49	Selective Susceptibility of Human Skin Antigen Presenting Cells to Productive Dengue Virus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004548.	2.1	80
50	Mobilizing monocytes to cross-present circulating viral antigen in chronic infection. <i>Journal of Clinical Investigation</i> , 2013, 123, 3766-3776.	3.9	80
51	Tumor to normal single-cell mRNA comparisons reveal a pan-neuroblastoma cancer cell. <i>Science Advances</i> , 2021, 7, .	4.7	78
52	Identification of HIV transmitting CD11c+ human epidermal dendritic cells. <i>Nature Communications</i> , 2019, 10, 2759.	5.8	77
53	Macrophage proliferation distinguishes 2 subgroups of knee osteoarthritis patients. <i>JCI Insight</i> , 2019, 4, .	2.3	77
54	Blood and immune development in human fetal bone marrow and Down syndrome. <i>Nature</i> , 2021, 598, 327-331.	13.7	73

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55	CD1c+ blood dendritic cells have Langerhans cell potential. <i>Blood</i> , 2015, 125, 470-473.	0.6	72
56	Anatomical structures, cell types and biomarkers of the Human Reference Atlas. <i>Nature Cell Biology</i> , 2021, 23, 1117-1128.	4.6	68
57	Delayed induction of type I and III interferons mediates nasal epithelial cell permissiveness to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 7092.	5.8	65
58	Perivascular dendritic cells elicit anaphylaxis by relaying allergens to mast cells via microvesicles. <i>Science</i> , 2018, 362, .	6.0	56
59	Lipopolysaccharide inhalation recruits monocytes and dendritic cell subsets to the alveolar airspace. <i>Nature Communications</i> , 2019, 10, 1999.	5.8	52
60	Comparative genomics analysis of mononuclear phagocyte subsets confirms homology between lymphoid tissue-resident and dermal XCR1+ DCs in mouse and human and distinguishes them from Langerhans cells. <i>Journal of Immunological Methods</i> , 2016, 432, 35-49.	0.6	50
61	Single-cell analysis reveals innate lymphoid cell lineage infidelity in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 624-639.	1.5	48
62	Phenotypic and functional consequences of different isolation protocols on skin mononuclear phagocytes. <i>Journal of Leukocyte Biology</i> , 2017, 101, 1393-1403.	1.5	43
63	Cutaneous extramedullary hemopoiesis in chronic myeloproliferative and myelodysplastic disorders. <i>Journal of the American Academy of Dermatology</i> , 2006, 55, S28-S31.	0.6	35
64	Donor monocyte-derived macrophages promote human acute graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 4574-4586.	3.9	35
65	Single-cell transcriptomics reveals a distinct developmental state of KMT2A-rearranged infant B-cell acute lymphoblastic leukemia. <i>Nature Medicine</i> , 2022, 28, 743-751.	15.2	35
66	Regulatory T-Cell Suppression of CD8+ T-Cell-Mediated Graft-Versus-Host Reaction Requires Their Presence During Priming. <i>Transplantation</i> , 2009, 88, 188-197.	0.5	30
67	Mapping human development at single-cell resolution. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	30
68	The impact of single-cell RNA sequencing on understanding the functional organization of the immune system. <i>Briefings in Functional Genomics</i> , 2018, 17, 265-272.	1.3	30
69	Human anogenital monocyte-derived dendritic cells and langerin+cDC2 are major HIV target cells. <i>Nature Communications</i> , 2021, 12, 2147.	5.8	30
70	Re-evaluation of human BDCA-2+ DC during acute sterile skin inflammation. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	29
71	Single-cell transcriptomics links malignant T cells to the tumor immune landscape in cutaneous T cell lymphoma. <i>Nature Communications</i> , 2022, 13, 1158.	5.8	29
72	Rapid Detection of Dendritic Cell and Monocyte Disorders Using CD4 as a Lineage Marker of the Human Peripheral Blood Antigen-Presenting Cell Compartment. <i>Frontiers in Immunology</i> , 2013, 4, 495.	2.2	27

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73	Single cell derived mRNA signals across human kidney tumors. <i>Nature Communications</i> , 2021, 12, 3896.	5.8	27
74	MultiMAP: dimensionality reduction and integration of multimodal data. <i>Genome Biology</i> , 2021, 22, 346.	3.8	27
75	Unique molecular and functional features of extramedullary hematopoietic stem and progenitor cell reservoirs in humans. <i>Blood</i> , 2022, 139, 3387-3401.	0.6	26
76	Identification of human tissue cross-presenting dendritic cells. <i>OncotImmunology</i> , 2013, 2, e23140.	2.1	21
77	Early Molecular Stratification of High-risk Primary Biliary Cholangitis. <i>EBioMedicine</i> , 2016, 14, 65-73.	2.7	17
78	Skin dendritic cell and T cell activation associated with dengue shock syndrome. <i>Scientific Reports</i> , 2017, 7, 14224.	1.6	17
79	Defining the Skin Cellular Community Using Single-Cell Genomics to Advance Precision Medicine. <i>Journal of Investigative Dermatology</i> , 2021, 141, 255-264.	0.3	16
80	The developing immune network in human prenatal skin. <i>Immunology</i> , 2020, 160, 149-156.	2.0	14
81	Use of topical glycopyrrolate in Ross syndrome. <i>Journal of the American Academy of Dermatology</i> , 2006, 55, S111-S112.	0.6	12
82	Isolation of Human Skin Dendritic Cell Subsets. <i>Methods in Molecular Biology</i> , 2016, 1423, 119-128.	0.4	10
83	Complexity of immune responses in COVID-19. <i>Seminars in Immunology</i> , 2021, 55, 101545.	2.7	10
84	Multomics uncovers developing immunological lineages in human. <i>European Journal of Immunology</i> , 2021, 51, 764-772.	1.6	8
85	Prenatal Development and Function of Human Mononuclear Phagocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 649937.	1.8	6
86	Development of a physiological model of human middle ear epithelium. <i>Laryngoscope Investigative Otolaryngology</i> , 2021, 6, 1167-1174.	0.6	6
87	Taking single-cell transcriptomics to the bedside. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 590-592.	12.5	5
88	Conjunctival epithelial cells resist productive SARS-CoV-2 infection. <i>Stem Cell Reports</i> , 2022, 17, 1699-1713.	2.3	5
89	Complete human CD1a deficiency on Langerhans cells due to a rare point mutation in the coding sequence. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1709-1712.e11.	1.5	4
90	Multiplexed gene expression analysis of HLA class II-associated podoconiosis implicates chronic immune activation in its pathogenesis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2020, 114, 926-936.	0.7	4

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91	Reconstructing human DC, monocyte and macrophage development in utero using single cell technologies. <i>Molecular Immunology</i> , 2020, 123, 1-6.	1.0	3
92	Human lung macrophages: roll up for the MISTRG tour. <i>Immunity</i> , 2021, 54, 194-196.	6.6	2
93	Reduced Intensity Hematopoietic Stem Cell Transplant Rescues Immune Function and Corrects Pulmonary Alveolar Proteinosis in DCML Deficiency/GATA 2 Mutation. <i>Blood</i> , 2011, 118, 2045-2045.	0.6	1
94	Interleukin-1 β expressing inflammatory macrophages in temporal arteries affected by giant cell arteritis. <i>Rheumatology</i> , 2019, 58, .	0.9	0
95	Generation and validation of an in vitro model of Langhans-type multinucleated giant cells to investigate giant cell arteritis. <i>Rheumatology</i> , 2019, 58, .	0.9	0
96	Muzlifah Haniffa "a new era for collaborative and supportive medical research. <i>Nature Medicine</i> , 2020, 26, 155-155.	15.2	0