

Nir Hacoheh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

17,593
citations

53
h-index

132
g-index

144
ext. papers

25,367
ext. citations

23.4
avg, IF

6.35
L-index

#	Paper	IF	Citations
119	Landscape of helper and regulatory antitumour CD4 T cells in melanoma.. <i>Nature</i> , 2022 , 605, 532-538	50.4	2
118	Urine Proteomics and Renal Single Cell Transcriptomics Implicate IL-16 in Lupus Nephritis. <i>Arthritis and Rheumatology</i> , 2021 ,	9.5	1
117	Differential pre-malignant programs and microenvironment chart distinct paths to malignancy in human colorectal polyps.. <i>Cell</i> , 2021 , 184, 6262-6280.e26	56.2	10
116	Radiation therapy enhances immunotherapy response in microsatellite stable colorectal and pancreatic adenocarcinoma in a phase II trial.. <i>Nature Cancer</i> , 2021 , 2, 1124-1135	15.4	9
115	Alveolar, Endothelial, and Organ Injury Marker Dynamics in Severe COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 ,	10.2	5
114	Reprogramming NK cells and macrophages via combined antibody and cytokine therapy primes tumors for elimination by checkpoint blockade. <i>Cell Reports</i> , 2021 , 37, 110021	10.6	2
113	Longitudinal characterization of circulating neutrophils uncovers distinct phenotypes associated with disease severity in hospitalized COVID-19 patients 2021 ,		5
112	Plasma P-selectin is an early marker of thromboembolism in COVID-19. <i>American Journal of Hematology</i> , 2021 , 96, E468-E471	7.1	4
111	Unannotated proteins expand the MHC-I-restricted immunopeptidome in cancer. <i>Nature Biotechnology</i> , 2021 ,	44.5	13
110	Viral Load Kinetics of Severe Acute Respiratory Syndrome Coronavirus 2 in Hospitalized Individuals With Coronavirus Disease 2019. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab153	1	5
109	Genome-wide enhancer maps link risk variants to disease genes. <i>Nature</i> , 2021 , 593, 238-243	50.4	45
108	COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021 , 595, 107-113	50.4	124
107	Longitudinal proteomic analysis of severe COVID-19 reveals survival-associated signatures, tissue-specific cell death, and cell-cell interactions. <i>Cell Reports Medicine</i> , 2021 , 2, 100287	18	51
106	Characterizing the tumor and immune landscape of melanoma patients treated with combined checkpoint blockade and MAPK targeted therapy.. <i>Journal of Clinical Oncology</i> , 2021 , 39, 9522-9522	2.2	
105	Plasma from patients with bacterial sepsis or severe COVID-19 induces suppressive myeloid cell production from hematopoietic progenitors in vitro. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	17
104	Plasma P-selectin is an early marker of thromboembolism in COVID-19 2021 ,		1
103	Profiling SARS-CoV-2 HLA-I peptidome reveals T cell epitopes from out-of-frame ORFs. <i>Cell</i> , 2021 , 184, 3962-3980.e17	56.2	26

102	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. <i>Nature Biotechnology</i> , 2021 , 39, 451-461	44.5	59
101	Optimized Liquid and Gas Phase Fractionation Increases HLA-Peptidome Coverage for Primary Cell and Tissue Samples. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100133	7.6	0
100	Personal neoantigen vaccines induce persistent memory T cell responses and epitope spreading in patients with melanoma. <i>Nature Medicine</i> , 2021 , 27, 515-525	50.5	69
99	A unique subset of glycolytic tumour-propagating cells drives squamous cell carcinoma. <i>Nature Metabolism</i> , 2021 , 3, 182-195	14.6	5
98	Epitope spreading toward wild-type melanocyte-lineage antigens rescues suboptimal immune checkpoint blockade responses. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	22
97	A single-cell and spatial atlas of autopsy tissues reveals pathology and cellular targets of SARS-CoV-2 2021 ,		15
96	SARS-CoV-2 viremia is associated with distinct proteomic pathways and predicts COVID-19 outcomes. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	27
95	Vaccine serologic responses among transplant patients associate with COVID-19 infection and T peripheral helper cells 2021 ,		6
94	Differentiation of exhausted CD8 T cells after termination of chronic antigen stimulation stops short of achieving functional T cell memory. <i>Nature Immunology</i> , 2021 , 22, 1030-1041	19.1	9
93	Phenotype, specificity and avidity of antitumour CD8 T cells in melanoma. <i>Nature</i> , 2021 , 596, 119-125	50.4	53
92	Harnessing the Potential of Multiomics Studies for Precision Medicine in Infectious Disease. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab483	1	0
91	Early cross-coronavirus reactive signatures of humoral immunity against COVID-19. <i>Science Immunology</i> , 2021 , 6, eabj2901	28	22
90	Spatially organized multicellular immune hubs in human colorectal cancer. <i>Cell</i> , 2021 , 184, 4734-4752.e296.2	296.2	22
89	Increased T-cell receptor repertoire diversity to predict better overall survival in gastrointestinal malignancies.. <i>Journal of Clinical Oncology</i> , 2021 , 39, 474-474	2.2	
88	Temporal and spatial heterogeneity of host response to SARS-CoV-2 pulmonary infection. <i>Nature Communications</i> , 2020 , 11, 6319	17.4	84
87	MAUDE: inferring expression changes in sorting-based CRISPR screens. <i>Genome Biology</i> , 2020 , 21, 134	18.3	4
86	Prioritizing disease and trait causal variants at the TNFAIP3 locus using functional and genomic features. <i>Nature Communications</i> , 2020 , 11, 1237	17.4	18
85	An immune-cell signature of bacterial sepsis. <i>Nature Medicine</i> , 2020 , 26, 333-340	50.5	110

84	B cells and tertiary lymphoid structures promote immunotherapy response. <i>Nature</i> , 2020 , 577, 549-555	50.4	654
83	Automated Flow Synthesis of Tumor Neoantigen Peptides for Personalized Immunotherapy. <i>Scientific Reports</i> , 2020 , 10, 723	4.9	13
82	Systematic comparison of single-cell and single-nucleus RNA-sequencing methods. <i>Nature Biotechnology</i> , 2020 , 38, 737-746	44.5	212
81	Single cell transcriptomics identifies focal segmental glomerulosclerosis remission endothelial biomarker. <i>JCI Insight</i> , 2020 , 5,	9.9	52
80	Integrated urine proteomics and renal single-cell genomics identify an IFN- γ response gradient in lupus nephritis. <i>JCI Insight</i> , 2020 , 5,	9.9	23
79	Temporal and Spatial Heterogeneity of Host Response to SARS-CoV-2 Pulmonary Infection 2020 ,		17
78	Induction of a regulatory myeloid program in bacterial sepsis and severe COVID-19 2020 ,		8
77	SARS-CoV-2 infected cells present HLA-I peptides from canonical and out-of-frame ORFs 2020 ,		9
76	Transcriptomic Analysis and High-dimensional Phenotypic Mapping of Mononuclear Phagocytes in Mesenteric Lymph Nodes Reveal Differences Between Ulcerative Colitis and Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2020 , 14, 393-405	1.5	9
75	Accelerating Medicines Partnership: Organizational Structure and Preliminary Data From the Phase 1 Studies of Lupus Nephritis. <i>Arthritis Care and Research</i> , 2020 , 72, 233-242	4.7	6
74	Genome-wide CRISPR screen identifies host dependency factors for influenza A virus infection. <i>Nature Communications</i> , 2020 , 11, 164	17.4	59
73	A large peptidome dataset improves HLA class I epitope prediction across most of the human population. <i>Nature Biotechnology</i> , 2020 , 38, 199-209	44.5	141
72	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. <i>Science</i> , 2020 , 370,	33.3	289
71	Key Parameters of Tumor Epitope Immunogenicity Revealed Through a Consortium Approach Improve Neoantigen Prediction. <i>Cell</i> , 2020 , 183, 818-834.e13	56.2	105
70	Personal Neoantigen Cancer Vaccines: A Road Not Fully Paved. <i>Cancer Immunology Research</i> , 2020 , 8, 1465-1469	12.5	10
69	Cumulus provides cloud-based data analysis for large-scale single-cell and single-nucleus RNA-seq. <i>Nature Methods</i> , 2020 , 17, 793-798	21.6	44
68	Loss of the Nuclear Protein RTF2 Enhances Influenza Virus Replication. <i>Journal of Virology</i> , 2020 , 94,	6.6	1
67	Large-Scale Topological Changes Restrain Malignant Progression in Colorectal Cancer. <i>Cell</i> , 2020 , 182, 1474-1489.e23	56.2	41

66	1830. Single-cell Transcriptional Profiling Reveals an Immune Cell State Signature of Bacterial Sepsis. <i>Open Forum Infectious Diseases</i> , 2019 , 6, S42-S42	1	0
65	Two distinct colonic CD14 subsets characterized by single-cell RNA profiling in Crohn's disease. <i>Mucosal Immunology</i> , 2019 , 12, 703-719	9.2	28
64	Multiplexed enrichment and genomic profiling of peripheral blood cells reveal subset-specific immune signatures. <i>Science Advances</i> , 2019 , 5, eaau9223	14.3	18
63	Extranuclear DNA accumulates in aged cells and contributes to senescence and inflammation. <i>Aging Cell</i> , 2019 , 18, e12901	9.9	53
62	The immune cell landscape in kidneys of patients with lupus nephritis. <i>Nature Immunology</i> , 2019 , 20, 902-914	19.1	254
61	Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry. <i>Nature Immunology</i> , 2019 , 20, 928-942	19.1	369
60	Streamlined Protocol for Deep Proteomic Profiling of FAC-sorted Cells and Its Application to Freshly Isolated Murine Immune Cells. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 995-1009	7.6	35
59	Landscape of B cell immunity and related immune evasion in human cancers. <i>Nature Genetics</i> , 2019 , 51, 560-567	36.3	56
58	PD-1 blockade in subprimed CD8 cells induces dysfunctional PD-1CD38 cells and anti-PD-1 resistance. <i>Nature Immunology</i> , 2019 , 20, 1231-1243	19.1	132
57	Lineage Tracing in Humans Enabled by Mitochondrial Mutations and Single-Cell Genomics. <i>Cell</i> , 2019 , 176, 1325-1339.e22	56.2	174
56	Immune receptor repertoires in pediatric and adult acute myeloid leukemia. <i>Genome Medicine</i> , 2019 , 11, 73	14.4	17
55	A secreted PD-L1 splice variant that covalently dimerizes and mediates immunosuppression. <i>Cancer Immunology, Immunotherapy</i> , 2019 , 68, 421-432	7.4	57
54	Neoantigen vaccine generates intratumoral T cell responses in phase Ib glioblastoma trial. <i>Nature</i> , 2019 , 565, 234-239	50.4	569
53	Targeting individual cells by barcode in pooled sequence libraries. <i>Nucleic Acids Research</i> , 2019 , 47, e4	20.1	10
52	Systems Immunology: Learning the Rules of the Immune System. <i>Annual Review of Immunology</i> , 2018 , 36, 813-842	34.7	46
51	An eQTL Landscape of Kidney Tissue in Human Nephrotic Syndrome. <i>American Journal of Human Genetics</i> , 2018 , 103, 232-244	11	78
50	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. <i>Arthritis Research and Therapy</i> , 2018 , 20, 139	5.7	60
49	Positional specificity of different transcription factor classes within enhancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7222-E7230	11.5	36

48	A cloning and expression system to probe T-cell receptor specificity and assess functional avidity to neoantigens. <i>Blood</i> , 2018 , 132, 1911-1921	2.2	31
47	ATIM-32. PERSONALIZED NEOANTIGEN-TARGETING VACCINE GENERATES ROBUST SYSTEMIC AND INTRATUMORAL T CELL RESPONSES IN GLIOBLASTOMA (GBM) PATIENTS. <i>Neuro-Oncology</i> , 2018 , 20, vi8-vi8	1	78
46	Defining T Cell States Associated with Response to Checkpoint Immunotherapy in Melanoma. <i>Cell</i> , 2018 , 175, 998-1013.e20	56.2	631
45	The Chaperone UNC93B1 Regulates Toll-like Receptor Stability Independently of Endosomal TLR Transport. <i>Immunity</i> , 2018 , 48, 911-922.e7	32.3	56
44	Mass Spectrometry Profiling of HLA-Associated Peptidomes in Mono-allelic Cells Enables More Accurate Epitope Prediction. <i>Immunity</i> , 2017 , 46, 315-326	32.3	348
43	Single-cell RNA-seq reveals new types of human blood dendritic cells, monocytes, and progenitors. <i>Science</i> , 2017 , 356,	33.3	1176
42	Functional screen of MSI2 interactors identifies an essential role for SYNCRIP in myeloid leukemia stem cells. <i>Nature Genetics</i> , 2017 , 49, 866-875	36.3	53
41	Heavy Metal Enlightens Tumor Immunity. <i>Cell</i> , 2017 , 169, 567-569	56.2	4
40	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. <i>Nature Genetics</i> , 2017 , 49, 193-203	36.3	197
39	Resistance to checkpoint blockade therapy through inactivation of antigen presentation. <i>Nature Communications</i> , 2017 , 8, 1136	17.4	409
38	Landscape of X chromosome inactivation across human tissues. <i>Nature</i> , 2017 , 550, 244-248	50.4	417
37	Aryl Hydrocarbon Receptor Controls Monocyte Differentiation into Dendritic Cells versus Macrophages. <i>Immunity</i> , 2017 , 47, 582-596.e6	32.3	160
36	Challenges and recommendations for epigenomics in precision health. <i>Nature Biotechnology</i> , 2017 , 35, 1128-1132	44.5	16
35	An immunogenic personal neoantigen vaccine for patients with melanoma. <i>Nature</i> , 2017 , 547, 217-221	50.4	1375
34	An Integrative Framework Reveals Signaling-to-Transcription Events in Toll-like Receptor Signaling. <i>Cell Reports</i> , 2017 , 19, 2853-2866	10.6	17
33	How T cells spot tumour cells. <i>Nature</i> , 2017 , 551, 444-446	50.4	11
32	Neoantigens encoded in the cancer genome. <i>Current Opinion in Immunology</i> , 2016 , 41, 98-103	7.8	54
31	Landscape of tumor-infiltrating T cell repertoire of human cancers. <i>Nature Genetics</i> , 2016 , 48, 725-32	36.3	193

30	A Genome-wide CRISPR Screen in Primary Immune Cells to Dissect Regulatory Networks. <i>Cell</i> , 2015 , 162, 675-86	56.2	288
29	ImmVar project: Insights and design considerations for future studies of "healthy" immune variation. <i>Seminars in Immunology</i> , 2015 , 27, 51-7	10.7	39
28	The receptor TREML4 amplifies TLR7-mediated signaling during antiviral responses and autoimmunity. <i>Nature Immunology</i> , 2015 , 16, 495-504	19.1	45
27	Impact of autoimmune risk alleles on the immune system. <i>Genome Medicine</i> , 2015 , 7, 57	14.4	3
26	A Regression-Based Analysis of Ribosome-Profiling Data Reveals a Conserved Complexity to Mammalian Translation. <i>Molecular Cell</i> , 2015 , 60, 816-827	17.6	133
25	Meta- and Orthogonal Integration of Influenza "OMICs" Data Defines a Role for UBR4 in Virus Budding. <i>Cell Host and Microbe</i> , 2015 , 18, 723-35	23.4	647
24	Immunogenetics. Dynamic profiling of the protein life cycle in response to pathogens. <i>Science</i> , 2015 , 347, 1259038	33.3	284
23	Molecular and genetic properties of tumors associated with local immune cytolytic activity. <i>Cell</i> , 2015 , 160, 48-61	56.2	1834
22	Genetic Control of Immune Variation across the Human Population. <i>FASEB Journal</i> , 2015 , 29, 369.2	0.9	
21	Common genetic variants modulate pathogen-sensing responses in human dendritic cells. <i>Science</i> , 2014 , 343, 1246980	33.3	309
20	Somatic mutation as a mechanism of Wnt/ β -catenin pathway activation in CLL. <i>Blood</i> , 2014 , 124, 1089-98	2.2	56
19	Perturbation of m6A writers reveals two distinct classes of mRNA methylation at internal and 5S sites. <i>Cell Reports</i> , 2014 , 8, 284-96	10.6	700
18	Intersection of population variation and autoimmunity genetics in human T cell activation. <i>Science</i> , 2014 , 345, 1254665	33.3	175
17	CRISPR-Cas9 knockin mice for genome editing and cancer modeling. <i>Cell</i> , 2014 , 159, 440-55	56.2	1089
16	HLA-binding properties of tumor neoepitopes in humans. <i>Cancer Immunology Research</i> , 2014 , 2, 522-9	12.5	138
15	Single-cell RNA-seq reveals dynamic paracrine control of cellular variation. <i>Nature</i> , 2014 , 510, 363-9	50.4	661
14	Dnase2a deficiency uncovers lysosomal clearance of damaged nuclear DNA via autophagy. <i>Cell Reports</i> , 2014 , 9, 180-192	10.6	145
13	Personal neoantigen cancer vaccines: The momentum builds. <i>Onc Immunology</i> , 2014 , 3, e29311	7.2	47

12	Locally disordered methylation forms the basis of intratumor methylome variation in chronic lymphocytic leukemia. <i>Cancer Cell</i> , 2014 , 26, 813-825	24.3	216
11	Systematic identification of personal tumor-specific neoantigens in chronic lymphocytic leukemia. <i>Blood</i> , 2014 , 124, 453-62	2.2	249
10	Getting personal with neoantigen-based therapeutic cancer vaccines. <i>Cancer Immunology Research</i> , 2013 , 1, 11-5	12.5	133
9	Tumor Neoantigens Are Abundant Across Cancers. <i>Blood</i> , 2013 , 122, 3265-3265	2.2	
8	Reversal of T Cell Exhaustion in Pre-Treatment Marrow T Cells Is Associated with Effective Graft-Versus-Leukemia Responses to Donor Lymphocyte Infusion. <i>Blood</i> , 2012 , 120, 1903-1903	2.2	
7	A physical and regulatory map of host-influenza interactions reveals pathways in H1N1 infection. <i>Cell</i> , 2009 , 139, 1255-67	56.2	513
6	An efficient lentiviral CRISPRi approach to silence genes in primary human monocytes		1
5	Targeting individual cells by barcode in pooled sequence libraries		1
4	Thousands of novel unannotated proteins expand the MHC I immunopeptidome in cancer		15
3	A protocol for single-cell transcriptomics from cryopreserved renal tissue and urine for the Accelerating Medicine Partnership (AMP) RA/SLE network		11
2	Defining Inflammatory Cell States in Rheumatoid Arthritis Joint Synovial Tissues by Integrating Single-cell Transcriptomics and Mass Cytometry		3
1	The immune cell landscape in kidneys of lupus nephritis patients		2