Alexandre Harari

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	5,850 citations	94433 37 h-index	85541 71 g-index
80 all docs	80 docs citations	80 times ranked	8067 citing authors

#	Article	IF	Citations
1	Dominant TNF-Î±+ Mycobacterium tuberculosisâ€“specific CD4+ T cell responses discriminate between latent infection and active disease. Nature Medicine, 2011, 17, 372-376.	30.7	380
2	Skewed representation of functionally distinct populations of virus-specific CD4 T cells in HIV-1â€“infected subjects with progressive disease: changes after antiretroviral therapy. Blood, 2004, 103, 966-972.	1.4	345
3	Personalized cancer vaccine effectively mobilizes antitumor T cell immunity in ovarian cancer. Science Translational Medicine, 2018, 10, .	12.4	326
4	HIV-1-specific IFN-Î³/IL-2-secreting CD8 T cells support CD4-independent proliferation of HIV-1-specific CD8 T cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7239-7244.	7.1	277
5	An HIV-1 clade C DNA prime, NYVAC boost vaccine regimen induces reliable, polyfunctional, and long-lasting T cell responses. Journal of Experimental Medicine, 2008, 205, 63-77.	8.5	273
6	Functional Heterogeneity of Memory CD4 T Cell Responses in Different Conditions of Antigen Exposure and Persistence. Journal of Immunology, 2005, 174, 1037-1045.	0.8	271
7	Functional signatures of protective antiviral Tâ€cell immunity in human virus infections. Immunological Reviews, 2006, 211, 236-254.	6.0	256
8	Robust prediction of HLA class II epitopes by deep motif deconvolution of immunopeptidomes. Nature Biotechnology, 2019, 37, 1283-1286.	17.5	208
9	Integrated proteogenomic deep sequencing and analytics accurately identify non-canonical peptides in tumor immunopeptidomes. Nature Communications, 2020, 11, 1293.	12.8	196
10	Novel technologies and emerging biomarkers for personalized cancer immunotherapy. , 2016, 4, 3.		183
11	Mycobacterium tuberculosisâ€specific CD8⁺ T cells are functionally and phenotypically different between latent infection and active disease. European Journal of Immunology, 2013, 43, 1568-1577.	2.9	172
12	Phenotypic heterogeneity of antigen-specific CD4 T cells under different conditions of antigen persistence and antigen load. European Journal of Immunology, 2004, 34, 3525-3533.	2.9	169
13	Tumor-specific cytolytic CD4 T cells mediate immunity against human cancer. Science Advances, 2021, 7, .	10.3	157
14	Antitumour dendritic cell vaccination in a priming and boosting approach. Nature Reviews Drug Discovery, 2020, 19, 635-652.	46.4	148
15	Sensitive and frequent identification of high avidity neo-epitopeÂspecific CD8 + T cells in immunotherapy-naive ovarian cancer. Nature Communications, 2018, 9, 1092.	12.8	122
16	Adenosine mediates functional and metabolic suppression of peripheral and tumor-infiltrating CD8+ T cells. , 2019, 7, 257.		120
17	Skewed association of polyfunctional antigen-specific CD8 T cell populations with HLA-B genotype. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16233-16238.	7.1	118
18	Treatment of primary HIV-1 infection with cyclosporin A coupled with highly active antiretroviral therapy. Journal of Clinical Investigation, 2002, 109, 681-688.	8.2	109

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19	Distinct Profiles of Cytotoxic Granules in Memory CD8 T Cells Correlate with Function, Differentiation Stage, and Antigen Exposure. Journal of Virology, 2009, 83, 2862-2871.	3.4	104
20	Tumor-associated factors are enriched in lymphatic exudate compared to plasma in metastatic melanoma patients. Journal of Experimental Medicine, 2019, 216, 1091-1107.	8.5	102
21	Analysis of HIV-1â€“ â€‰and CMV-specific memory CD4 T-cell responses during primary and chronic infection. Blood, 2002, 100, 1381-1387.	1.4	97
22	Cytomegalovirus (CMV)-Specific cellular immune responses. Human Immunology, 2004, 65, 500-506.	2.4	86
23	Distribution and functional analysis of memory antiviral CD8 T cell responses in HIV-1 and cytomegalovirus infections. European Journal of Immunology, 2002, 32, 3756-3764.	2.9	79
24	T-cell repertoire analysis and metrics of diversity and clonality. Current Opinion in Biotechnology, 2020, 65, 284-295.	6.6	79
25	Prediction of neo-epitope immunogenicity reveals TCR recognition determinants and provides insight into immunoediting. Cell Reports Medicine, 2021, 2, 100194.	6.5	77
26	Combined Use of Mycobacterium tuberculosisâ€“Specific CD4 and CD8 T-Cell Responses Is a Powerful Diagnostic Tool of Active Tuberculosis. Clinical Infectious Diseases, 2015, 60, 432-437.	5.8	75
27	A Phase Ib Study of the Combination of Personalized Autologous Dendritic Cell Vaccine, Aspirin, and Standard of Care Adjuvant Chemotherapy Followed by Nivolumab for Resected Pancreatic Adenocarcinomaâ€”A Proof of Antigen Discovery Feasibility in Three Patients. Frontiers in Immunology, 2019, 10, 1832.	4.8	73
28	CD160-Associated CD8 T-Cell Functional Impairment Is Independent of PD-1 Expression. PLoS Pathogens, 2014, 10, e1004380.	4.7	69
29	MART-1 peptide vaccination plus IMP321 (LAG-3Ig fusion protein) in patients receiving autologous PBMCs after lymphodepletion: results of a Phase I trial. Journal of Translational Medicine, 2014, 12, 97.	4.4	69
30	Treatment of primary HIV-1 infection with cyclosporin A coupled with highly active antiretroviral therapy. Journal of Clinical Investigation, 2002, 109, 681-688.	8.2	65
31	Neoantigen-based cancer immunotherapy. Annals of Translational Medicine, 2016, 4, 262-262.	1.7	63
32	Lack of Mycobacterium tuberculosisâ€“specific interleukinâ€17Aâ€“producing CD4⁺ TÂcells in active disease. European Journal of Immunology, 2013, 43, 939-948.	2.9	60
33	Cell-autonomous inflammation of BRCA1-deficient ovarian cancers drives both tumor-intrinsic immunoreactivity and immune resistance via STING. Cell Reports, 2021, 36, 109412.	6.4	60
34	Large TCR Diversity of Virus-Specific CD8 T Cells Provides the Mechanistic Basis for Massive TCR Renewal after Antigen Exposure. Journal of Immunology, 2011, 186, 7039-7049.	0.8	57
35	Structural dissimilarity from self drives neoepitope escape from immune tolerance. Nature Chemical Biology, 2020, 16, 1269-1276.	8.0	53
36	Cancer Vaccines in Ovarian Cancer: How Can We Improve?. Biomedicines, 2016, 4, 10.	3.2	47

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37	Proliferation Capacity and Cytotoxic Activity Are Mediated by Functionally and Phenotypically Distinct Virus-Specific CD8 T Cells Defined by Interleukin-7Rî± (CD127) and Perforin Expression. Journal of Virology, 2010, 84, 3868-3878.	3.4	46
38	Early and Prolonged Antiretroviral Therapy Is Associated with an HIV-1-Specific T-Cell Profile Comparable to That of Long-Term Non-Progressors. PLoS ONE, 2011, 6, e18164.	2.5	46
39	A Phase I/II trial comparing autologous dendritic cell vaccine pulsed either with personalized peptides (PEP-DC) or with tumor lysate (OC-DC) in patients with advanced high-grade ovarian serous carcinoma. Journal of Translational Medicine, 2019, 17, 391.	4.4	42
40	Personalized approaches to active immunotherapy in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1865, 72-82.	7.4	41
41	Sensitive identification of neoantigens and cognate TCRs in human solid tumors. Nature Biotechnology, 2022, 40, 656-660.	17.5	41
42	Label-free identification of activated T lymphocytes through tridimensional microsensors on chip. Biosensors and Bioelectronics, 2017, 94, 193-199.	10.1	36
43	DNA/NYVAC Vaccine Regimen Induces HIV-Specific CD4 and CD8 T-Cell Responses in Intestinal Mucosa. Journal of Virology, 2011, 85, 9854-9862.	3.4	35
44	Neoantigen-Specific Adoptive Cell Therapies for Cancer: Making T-Cell Products More Personal. Frontiers in Immunology, 2020, 11, 1215.	4.8	32
45	Quantitative and qualitative impairments in dendritic cell subsets of patients with ovarian or prostate cancer. European Journal of Cancer, 2020, 135, 173-182.	2.8	32
46	NYVAC immunization induces polyfunctional HIVâ€specific Tâ€cell responses in chronicallyâ€infected, ARTâ€treated HIV patients. European Journal of Immunology, 2012, 42, 3038-3048.	2.9	30
47	50-Gy Stereotactic Body Radiation Therapy to the Dominant Intraprostatic Nodule: Results From a Phase 1a/b Trial. International Journal of Radiation Oncology Biology Physics, 2019, 103, 320-334.	0.8	28
48	Immune monitoring technology primer: flow and mass cytometry. , 2015, 3, 44.		27
49	Personalized cancer vaccine strategy elicits polyfunctional T cells and demonstrates clinical benefits in ovarian cancer. Npj Vaccines, 2021, 6, 36.	6.0	27
50	Rapid Perturbation in Viremia Levels Drives Increases in Functional Avidity of HIV-specific CD8 T Cells. PLoS Pathogens, 2013, 9, e1003423.	4.7	25
51	Biotechnologies to tackle the challenge of neoantigen identification. Current Opinion in Biotechnology, 2020, 65, 52-59.	6.6	25
52	High-throughput monitoring of human tumor-specific T-cell responses with large peptide pools. OncoImmunology, 2015, 4, e1029702.	4.6	17
53	High-throughput Screening of Human Tumor Antigenâ€“specific CD4 T Cells, Including Neoantigen-reactive T Cells. Clinical Cancer Research, 2019, 25, 4320-4331.	7.0	15
54	Deciphering the Mechanisms of Improved Immunogenicity of Hypochlorous Acid-Treated Antigens in Anti-Cancer Dendritic Cell-Based Vaccines. Vaccines, 2020, 8, 271.	4.4	13

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55	Cancer and HIV-1 Infection: Patterns of Chronic Antigen Exposure. Frontiers in Immunology, 2020, 11, 1350.	4.8	13
56	Development and Optimization of a GMP-Compliant Manufacturing Process for a Personalized Tumor Lysate Dendritic Cell Vaccine. Vaccines, 2020, 8, 25.	4.4	13
57	High levels of monocytic myeloid-derived suppressor cells are associated with favorable outcome in patients with pneumonia and sepsis with multi-organ failure. Intensive Care Medicine Experimental, 2022, 10, 5.	1.9	13
58	HIVâ€1â€Specific Immune Response. Advances in Pharmacology, 2008, 56, 75-92.	2.0	10
59	Interleukin-1- and Type I Interferon-Dependent Enhanced Immunogenicity of an NYVAC-HIV-1 Env-Gag-Pol-Nef Vaccine Vector with Dual Deletions of Type I and Type II Interferon-Binding Proteins. Journal of Virology, 2015, 89, 3819-3832.	3.4	10
60	Development of an optimized closed and semi-automatic protocol for Good Manufacturing Practice manufacturing of tumor-infiltrating lymphocytes in a hospital environment. Cytotherapy, 2020, 22, 780-791.	0.7	9
61	Unsupervised Analysis of Flow Cytometry Data in a Clinical Setting Captures Cell Diversity and Allows Population Discovery. Frontiers in Immunology, 2021, 12, 633910.	4.8	8
62	Role of HIV-1-specific CD4 T cells. Current Opinion in HIV and AIDS, 2006, 1, 22-27.	3.8	6
63	Microfluidic device performing on flow study of serial cellâ€“cell interactions of two cell populations. RSC Advances, 2019, 9, 41066-41073.	3.6	6
64	The Promise of Personalized TCR-Based Cellular Immunotherapy for Cancer Patients. Frontiers in Immunology, 2021, 12, 701636.	4.8	6
65	Microfluidic Device for Droplet Pairing by Combining Droplet Railing and Floating Trap Arrays. Micromachines, 2021, 12, 1076.	2.9	5
66	Measurement of Mitochondrial Mass and Membrane Potential in Hematopoietic Stem Cells and T-cells by Flow Cytometry. Journal of Visualized Experiments, 2019, , .	0.3	4
67	Optimized combinatorial pMHC class II multimer labeling for precision immune monitoring of tumor-specific CD4 T cells in patients. , 2020, 8, e000435.		4
68	Vaccines as Priming Tools for T Cell Therapy for Epithelial Cancers. Cancers, 2021, 13, 5819.	3.7	4
69	High-throughput identification of human antigen-specific CD8+ and CD4+ T cells using soluble pMHC multimers. Methods in Enzymology, 2020, 631, 21-42.	1.0	3
70	Understanding what makes a goodversus a bad vaccine. European Journal of Immunology, 2005, 35, 2528-2531.	2.9	2
71	A Personalized Neoantigen Vaccine in Combination with Platinum-Based Chemotherapy Induces a T-Cell Response Coinciding with a Complete Response in Endometrial Carcinoma. Cancers, 2021, 13, 5801.	3.7	2
72	Feasibility of a Stem Cell Gene Therapy Approach with Nonmyeloablative Conditioning in Patients with HIV-1 Infection.. Blood, 2004, 104, 412-412.	1.4	1

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73	A new workflow combining magnetic cell separation and impedance-based cell dispensing for gentle, simple and reliable cloning of specific CD8+ T cells. SLAS Technology, 2021, , .	1.9	1
74	Immune pressure sculps tumor cells and trims high-quality mutations. Cancer Cell, 2022, 40, 717-719.	16.8	1
75	Antiviral memory T cell responses: correlation with protective immunity and implication for vaccine development. Advances in Experimental Medicine and Biology, 2002, 512, 155-64.	1.6	0