

Naoto Hirano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9576160/publications.pdf>

Version: 2024-02-01

100
papers

4,367
citations

147726

31
h-index

110317

64
g-index

102
all docs

102
docs citations

102
times ranked

6306
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplantation of Anergic Histoincompatible Bone Marrow Allografts. <i>New England Journal of Medicine</i> , 1999, 340, 1704-1714.	13.9	428
2	A novel chimeric antigen receptor containing a JAK-STAT signaling domain mediates superior antitumor effects. <i>Nature Medicine</i> , 2018, 24, 352-359.	15.2	349
3	Tob is a negative regulator of activation that is expressed in anergic and quiescent T cells. <i>Nature Immunology</i> , 2001, 2, 1174-1182.	7.0	250
4	Human primary and memory cytotoxic T lymphocyte responses are efficiently induced by means of CD40-activated B cells as antigen-presenting cells: potential for clinical application. <i>Blood</i> , 2002, 99, 3319-3325.	0.6	177
5	BET bromodomain inhibition enhances T cell persistence and function in adoptive immunotherapy models. <i>Journal of Clinical Investigation</i> , 2016, 126, 3479-3494.	3.9	168
6	Homozygous loss of the cyclin-dependent kinase 4-inhibitor (p16) gene in human leukemias. <i>Blood</i> , 1994, 84, 2431-2435.	0.6	166
7	Engagement of CD83 ligand induces prolonged expansion of CD8+ T cells and preferential enrichment for antigen specificity. <i>Blood</i> , 2006, 107, 1528-1536.	0.6	156
8	Type I interferon responses drive intrahepatic T cells to promote metabolic syndrome. <i>Science Immunology</i> , 2017, 2, .	5.6	135
9	Identification of Functional and Expression Polymorphisms Associated With Risk for Antineutrophil Cytoplasmic Autoantibody-Associated Vasculitis. <i>Arthritis and Rheumatology</i> , 2017, 69, 1054-1066.	2.9	130
10	Long-Lived Antitumor CD8+ Lymphocytes for Adoptive Therapy Generated Using an Artificial Antigen-Presenting Cell. <i>Clinical Cancer Research</i> , 2007, 13, 1857-1867.	3.2	123
11	Molecular Cloning of the Human Glucose-Regulated Protein ERp57/GRP58, a Thiol-Dependent Reductase. Identification of its Secretory form and Inducible Expression by the Oncogenic Transformation. <i>FEBS Journal</i> , 1995, 234, 336-342.	0.2	121
12	Mutations of the p53 gene in myelodysplastic syndrome (MDS) and MDS- derived leukemia. <i>Blood</i> , 1993, 81, 3022-3026.	0.6	118
13	CIZ, a Zinc Finger Protein That Interacts with p130 cas and Activates the Expression of Matrix Metalloproteinases. <i>Molecular and Cellular Biology</i> , 2000, 20, 1649-1658.	1.1	116
14	Validation of CyTOF Against Flow Cytometry for Immunological Studies and Monitoring of Human Cancer Clinical Trials. <i>Frontiers in Oncology</i> , 2019, 9, 415.	1.3	114
15	Autoantibodies frequently detected in patients with aplastic anemia. <i>Blood</i> , 2003, 102, 4567-4575.	0.6	105
16	Expression of costimulatory molecules in human leukemias. <i>Leukemia</i> , 1996, 10, 1168-76.	3.3	103
17	Human cell-based artificial antigen-presenting cells for cancer immunotherapy. <i>Immunological Reviews</i> , 2014, 257, 191-209.	2.8	96
18	Establishment of Antitumor Memory in Humans Using in Vitro-Educated CD8 ⁺ T Cells. <i>Science Translational Medicine</i> , 2011, 3, 80ra34.	5.8	94

#	ARTICLE	IF	CITATIONS
19	Phase II clinical trial of adoptive cell therapy for patients with metastatic melanoma with autologous tumor-infiltrating lymphocytes and low-dose interleukin-2. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 773-785.	2.0	94
20	Of the GATA-Binding Proteins, Only GATA-4 Selectively Regulates the Human Interleukin-5 Gene Promoter in Interleukin-5-Producing Cells Which Express multiple GATA-Binding Proteins. <i>Molecular and Cellular Biology</i> , 1995, 15, 3830-3839.	1.1	84
21	A Series of Human Cell-Based Artificial APC Expands Long-Lived, Th1-Biased, Viral Antigen-Specific CD4+ T Cells with a Central/Effector Memory Phenotype Restricted by Common HLA-DR Alleles. <i>Blood</i> , 2010, 116, 354-354.	0.6	83
22	The shared tumor-associated antigen cytochrome P450 1B1 is recognized by specific cytotoxic T cells. <i>Blood</i> , 2003, 102, 3287-3294.	0.6	77
23	Genetic Ablation of HLA Class I, Class II, and the T-cell Receptor Enables Allogeneic T Cells to Be Used for Adoptive T-cell Therapy. <i>Cancer Immunology Research</i> , 2020, 8, 926-936.	1.6	73
24	Clinical impact of HLA-DR15, a minor population of paroxysmal nocturnal haemoglobinuria-type cells, and an aplastic anaemia-associated autoantibody in children with acquired aplastic anaemia. <i>British Journal of Haematology</i> , 2008, 142, 427-435.	1.2	48
25	Generation and molecular recognition of melanoma-associated antigen-specific human $\gamma\delta$ T cells. <i>Science Immunology</i> , 2018, 3, .	5.6	43
26	A Conserved Cysteine Residue in the runt Homology Domain of AML1 Is Required for the DNA Binding Ability and the Transforming Activity on Fibroblasts. <i>Journal of Biological Chemistry</i> , 1996, 271, 16870-16876.	1.6	40
27	A panel of human cell-based artificial APC enables the expansion of long-lived antigen-specific CD4+ T cells restricted by prevalent HLA-DR alleles. <i>International Immunology</i> , 2010, 22, 863-873.	1.8	39
28	Efficient Presentation of Naturally Processed HLA Class I Peptides by Artificial Antigen-Presenting Cells for the Generation of Effective Antitumor Responses. <i>Clinical Cancer Research</i> , 2006, 12, 2967-2975.	3.2	38
29	Transient stimulation expands superior antitumor T cells for adoptive therapy. <i>JCI Insight</i> , 2017, 2, e89580.	2.3	37
30	Specific Roles of Each TCR Hemichain in Generating Functional Chain-Centric TCR. <i>Journal of Immunology</i> , 2015, 194, 3487-3500.	0.4	35
31	Arginine methylation of FOXP3 is crucial for the suppressive function of regulatory T cells. <i>Journal of Autoimmunity</i> , 2019, 97, 10-21.	3.0	34
32	An Epidermal Growth Factor Receptor-Leukocyte Tyrosine Kinase Chimeric Receptor Generates Ligand-dependent Growth Signals through the Ras Signaling Pathway. <i>Journal of Biological Chemistry</i> , 1995, 270, 20135-20142.	1.6	31
33	Ex Vivo Expansion of Human CD8+ T Cells Using Autologous CD4+ T Cell Help. <i>PLoS ONE</i> , 2012, 7, e30229.	1.1	31
34	Presence of anti-kinectin and anti-PMS1 antibodies in Japanese aplastic anaemia patients. <i>British Journal of Haematology</i> , 2005, 128, 221-223.	1.2	30
35	Molecular Cloning and Characterization of a cDNA for Bovine Phospholipase C- β : Proposal of Redesignation of Phospholipase C- β . <i>Biochemical and Biophysical Research Communications</i> , 1994, 204, 375-382.	1.0	29
36	Protective and Therapeutic Immunity Against Leukemia Induced by Irradiated B7-1 (CD80)-Transduced Leukemic Cells. <i>Human Gene Therapy</i> , 1997, 8, 1375-1384.	1.4	29

#	ARTICLE	IF	CITATIONS
37	Optimization of T-cell Reactivity by Exploiting TCR Chain Centricity for the Purpose of Safe and Effective Antitumor TCR Gene Therapy. <i>Cancer Immunology Research</i> , 2015, 3, 1070-1081.	1.6	29
38	HLA-DP84Gly constitutively presents endogenous peptides generated by the class I antigen processing pathway. <i>Nature Communications</i> , 2017, 8, 15244.	5.8	28
39	MHC class I loaded ligands from breast cancer cell lines: A potential HLA-I-typed antigen collection. <i>Journal of Proteomics</i> , 2018, 176, 13-23.	1.2	27
40	A Potential Molecular Approach to Ex Vivo Hematopoietic Expansion With Recombinant Epidermal Growth Factor Receptor-Expressing Adenovirus Vector. <i>Blood</i> , 1998, 91, 4509-4515.	0.6	26
41	Induction of HLA-DP4-Restricted Anti-Survivin Th1 and Th2 Responses Using an Artificial Antigen-Presenting Cell. <i>Clinical Cancer Research</i> , 2011, 17, 5392-5401.	3.2	24
42	Juvenile Myelomonocytic Leukemia. <i>Paediatric Drugs</i> , 2010, 12, 11-21.	1.3	23
43	DOT1L inhibition attenuates graft-versus-host disease by allogeneic T cells in adoptive immunotherapy models. <i>Nature Communications</i> , 2018, 9, 1915.	5.8	21
44	Analysis of Rabbit Intervertebral Disc Physiology Based on Water Metabolism. <i>Spine</i> , 1988, 13, 1297-1302.	1.0	20
45	Identification of an immunogenic CD8+ T-cell epitope derived from β -globin, a putative tumor-associated antigen for juvenile myelomonocytic leukemia. <i>Blood</i> , 2006, 108, 2662-2668.	0.6	19
46	Infusion of ex-vivo expanded human TCR- $\alpha\beta$ + double-negative regulatory T cells delays onset of xenogeneic graft-versus-host disease. <i>Clinical and Experimental Immunology</i> , 2018, 193, 386-399.	1.1	19
47	Dissociation of Its Opposing Immunologic Effects Is Critical for the Optimization of Antitumor CD8+ T-Cell Responses Induced by Interleukin 21. <i>Clinical Cancer Research</i> , 2008, 14, 6125-6136.	3.2	18
48	CapTCR-seq: hybrid capture for T-cell receptor repertoire profiling. <i>Blood Advances</i> , 2018, 2, 3506-3514.	2.5	18
49	The Third Consensus Conference on the treatment of aplastic anemia. <i>International Journal of Hematology</i> , 2011, 93, 832-837.	0.7	17
50	A Subset of Human Autoreactive CD1c-Restricted T Cells Preferentially Expresses TRBV4-1+ TCRs. <i>Journal of Immunology</i> , 2018, 200, 500-511.	0.4	17
51	Pre-encoded responsiveness to type I interferon in the peripheral immune system defines outcome of PD1 blockade therapy. <i>Nature Immunology</i> , 2022, 23, 1273-1283.	7.0	17
52	2015 Guidance on cancer immunotherapy development in early-phase clinical studies. <i>Cancer Science</i> , 2015, 106, 1761-1771.	1.7	16
53	Mechanisms of HLA-DP Antigen Processing and Presentation Revisited. <i>Trends in Immunology</i> , 2018, 39, 960-964.	2.9	16
54	Adoptive T Cell Therapy Targeting CD1 and MR1. <i>Frontiers in Immunology</i> , 2015, 6, 247.	2.2	15

#	ARTICLE	IF	CITATIONS
55	Affinity-matured HLA class II dimers for robust staining of antigen-specific CD4+ T cells. <i>Nature Biotechnology</i> , 2021, 39, 958-967.	9.4	15
56	Analysis of Rabbit Intervertebral Disc Physiology Based on Water Metabolism. <i>Spine</i> , 1988, 13, 1291-1296.	1.0	14
57	Characterization of three erythropoietin (Epo)-binding proteins in various human Epo-responsive cell lines and in cells transfected with human Epo-receptor cDNA [see comments]. <i>Blood</i> , 1995, 85, 106-114.	0.6	13
58	CD4+ and CD8+ TCR β repertoires possess different potentials to generate extraordinarily high-avidity T cells. <i>Scientific Reports</i> , 2016, 6, 23821.	1.6	13
59	Landscape mapping of shared antigenic epitopes and their cognate TCRs of tumor-infiltrating T lymphocytes in melanoma. <i>ELife</i> , 2020, 9, .	2.8	13
60	Immunogene therapy against mouse leukemia using B7 molecules. <i>Cancer Gene Therapy</i> , 2000, 7, 144-150.	2.2	12
61	CDR3 β sequence motifs regulate autoreactivity of human invariant NKT cell receptors. <i>Journal of Autoimmunity</i> , 2016, 68, 39-51.	3.0	12
62	IL-21 Can Supplement Suboptimal Lck-Independent MAPK Activation in a STAT-3-Dependent Manner in Human CD8+ T Cells. <i>Journal of Immunology</i> , 2012, 188, 1609-1619.	0.4	10
63	Mechanisms underlying the lack of endogenous processing and CLIP-mediated binding of the invariant chain by HLA-DP84Gly. <i>Scientific Reports</i> , 2018, 8, 4804.	1.6	8
64	Spontaneous Remission in Acute Type Adult T-Cell Leukemia/Lymphoma. <i>Leukemia and Lymphoma</i> , 2000, 39, 217-222.	0.6	7
65	Adoptive T cell therapy with TBI-1301 results in gene-engineered T cell persistence and anti-tumour responses in patients with NY-ESO-1 expressing solid tumours. <i>Annals of Oncology</i> , 2019, 30, v481.	0.6	7
66	Homozygous loss of the cyclin-dependent kinase 4-inhibitor (p16) gene in human leukemias. <i>Blood</i> , 1994, 84, 2431-2435.	0.6	6
67	Heterogeneity of Circulating Tumor Cell-Associated Genomic Gains in Breast Cancer and Its Association with the Host Immune Response. <i>Cancer Research</i> , 2021, 81, 6196-6206.	0.4	5
68	CD40 activation of carcinoma cells increases expression of adhesion and major histocompatibility molecules but fails to induce either CD80/CD86 expression or T cell alloreactivity. <i>International Journal of Oncology</i> , 2001, 19, 791-8.	1.4	4
69	Effect of minimal lymphodepletion prior to ACT with TBI-1301, NY-ESO-1 specific gene-engineered TCR-T cells, on clinical responses and CRS.. <i>Journal of Clinical Oncology</i> , 2019, 37, 2537-2537.	0.8	4
70	Mouse and Human CD1d-Self-Lipid Complexes Are Recognized Differently by Murine Invariant Natural Killer T Cell Receptors. <i>PLoS ONE</i> , 2016, 11, e0156114.	1.1	3
71	Key Residues at Third CDR3 β Position Impact Structure and Antigen Recognition of Human Invariant NK TCRs. <i>Journal of Immunology</i> , 2017, 198, 1056-1065.	0.4	3
72	Human CD4+ T Cells Help CD8+ T Cells Proliferate Ex Vivo by Secreting Both IL-2/IL-21 and Upregulating IL-21R. <i>Blood</i> , 2010, 116, 4284-4284.	0.6	3

#	ARTICLE	IF	CITATIONS
73	Generating De Novo Antigen-specific Human T Cell Receptors by Retroviral Transduction of Centric Hemichain. Journal of Visualized Experiments, 2016, , .	0.2	2
74	Chaperones of the class I peptide-loading complex facilitate the constitutive presentation of endogenous antigens on HLA-DP84CGPM87. Journal of Autoimmunity, 2019, 102, 114-125.	3.0	2
75	Changing the landscape of tumor immunology: novel tools to examine T cell specificity. Current Opinion in Immunology, 2021, 69, 1-9.	2.4	2
76	A rare atypical myeloproliferative-disorder-like hemopathy with marked dysplasia, peripheral dominant myeloblast proliferation and extramedullary hematopoiesis was converted into typical acute myeloid leukemia with an interval of complete hematological remission. International Journal of Hematology, 1998, 67, 411.	0.7	2
77	4-1BB (CD137) or CD40 Signaling Fails To Improve the Expansion of Antigen Specific T Cells Demonstrated with Engagement of TCR, CD28 and CD83 Ligand.. Blood, 2004, 104, 2665-2665.	0.6	2
78	Abstract 568: Decoding shared antigenic epitopes and their cognate TCR genes in melanoma TILs using a library of paired human cell-based pHLA multimers and artificial APCs. , 2019, , .		2
79	Study of TBI-1301 (NY-ESO-1 specific TCR gene transduced autologous T lymphocytes) in patients with solid tumors. Annals of Oncology, 2018, 29, viii441.	0.6	1
80	Two Weeks' Notice from Allogeneic Sources. Clinical Cancer Research, 2018, 24, 5195-5197.	3.2	1
81	Establishing CD8+ T Cell Immunity by Adoptive Transfer of Autologous, IL-15 Expanded, Anti-Tumor CTL with a Central/Effector Memory Phenotype Can Induce Objective Clinical Responses.. Blood, 2009, 114, 782-782.	0.6	1
82	Endogenous Ligands Selectively Stimulate Highly Avid Autoreactive Human Invariant Natural Killer T Cells with Distinctive T-Cell Receptor V α 211 CDR3 Sequence Motifs. Blood, 2011, 118, 999-999.	0.6	1
83	Presence of HLA-DR15, a Minor PNH Clone, or an Aplastic Anemia - Associated Autoantibody Do Not Predict a Favorable Response to Immunosuppressive Therapy in Children with Aplastic Anemia.. Blood, 2006, 108, 984-984.	0.6	1
84	Mutations of the p53 gene in myelodysplastic syndrome (MDS) and MDS- derived leukemia. Blood, 1993, 81, 3022-3026.	0.6	1
85	Rapid progression of chronic myelomonocytic leukemia following diaminodiphenyl sulphone treatment for dermatitis herpetiformis. International Journal of Hematology, 1997, 66, 383.	0.7	1
86	Characterization of Proteasome-Generated Spliced Peptides Detected by Mass Spectrometry. Journal of Immunology, 2022, 208, 2856-2865.	0.4	1
87	A clinical grade cell-based artificial APT, aAPC/mOKT3, for unbiased expansion of CD3+ T lymphocytes. , 2014, 2, P5.		0
88	In vitro α generated MART α specific CD 8 T cells display a broader T α cell receptor repertoire than ex vivo na α ve and tumor α infiltrating lymphocytes. Immunology and Cell Biology, 2019, 97, 427-434.	1.0	0
89	Off the Shelf, GMP Grade Artificial APC Efficiently Generates Large Numbers of Antigen Specific CTLs Sufficient for the Treatment of Cancer and Infectious Disease.. Blood, 2004, 104, 3172-3172.	0.6	0
90	Highly Efficient Presentation of Endogenously Processed Class I Peptides by Artificial APC for the Generation of Effective Anti-Tumor Responses.. Blood, 2004, 104, 1355-1355.	0.6	0

#	ARTICLE	IF	CITATIONS
91	Î³-Globin, a Tumor-Associated Antigen for Juvenile Myelomonocytic Leukemia (JMML): A Cell-Based Approach To Identify Tumor Antigenic Epitopes That Are Naturally Processed and Presented.. Blood, 2004, 104, 3418-3418.	0.6	0
92	Immunogenicity of Artificial Dendritic Cells Is Upregulated by ROCK Inhibition-Mediated Dendrite Formation.. Blood, 2009, 114, 3022-3022.	0.6	0
93	Artificial APC-Based Generation of IL-21 Secreting CD4+ T Cells That Can Provide Help to CD8+ T Cells.. Blood, 2009, 114, 466-466.	0.6	0
94	CD8 Coreceptor-Independent T Cell Stimulation Induces High Avidity CTL In the Presence of IL-21. Blood, 2010, 116, 2086-2086.	0.6	0
95	Efficient Generation of HLA-A24-Restricted WT1-Specific Cytotoxic T Lymphocytes Using Gene-Engineered Artificial Antigen-Presenting Cells. Blood, 2010, 116, 2101-2101.	0.6	0
96	Abstract PR09: A novel chimeric antigen receptor containing JAK-STAT signaling domains mediates superior antitumor effects. , 2017, , .		0
97	Gene Modification and Immunological Analyses for the Development of Immunotherapy Utilizing T Cells Redirected with Antigen-Specific Receptors. Methods in Molecular Biology, 2019, 2048, 27-39.	0.4	0
98	129â€¦A novel CAR conducting antigen-specific JAK-STAT signals demonstrates superior antitumor effects with minimal undesired non-specific activation. , 2020, , .		0
99	Protective and therapeutic immunity against leukemia induced by irradiated B7-1 (CD80)-transduced leukemic cells. Leukemia, 1997, 11 Suppl 3, 577-81.	3.3	0
100	Abstract 568: Decoding shared antigenic epitopes and their cognate TCR genes in melanoma TILs using a library of paired human cell-based pHLA multimers and artificial APCs. , 2019, , .		0