

# Yoshimasa Tanaka

## List of Publications by Year in descending order

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108  
papers

13,342  
citations

57758

44  
h-index

30922

102  
g-index

110  
all docs

110  
docs citations

110  
times ranked

16744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of PD-L1 on tumor cells in the escape from host immune system and tumor immunotherapy by PD-L1 blockade. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12293-12297.	7.1	2,563
2	Autoimmune Dilated Cardiomyopathy in PD-1 Receptor-Deficient Mice. Science, 2001, 291, 319-322.	12.6	1,613
3	Programmed cell death 1 ligand 1 and tumor-infiltrating CD8+ T lymphocytes are prognostic factors of human ovarian cancer. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3360-3365.	7.1	1,308
4	Natural and synthetic non-peptide antigens recognized by human $\hat{3}\hat{1}$ T cells. Nature, 1995, 375, 155-158.	27.8	959
5	Risk Factors Contributing to Type 2 Diabetes and Recent Advances in the Treatment and Prevention. International Journal of Medical Sciences, 2014, 11, 1185-1200.	2.5	717
6	Autoantibodies against cardiac troponin I are responsible for dilated cardiomyopathy in PD-1-deficient mice. Nature Medicine, 2003, 9, 1477-1483.	30.7	606
7	Direct presentation of nonpeptide prenyl pyrophosphate antigens to human $\hat{3}\hat{1}$ T cells. Immunity, 1995, 3, 495-507.	14.3	453
8	The PD-1/PD-L1 complex resembles the antigen-binding Fv domains of antibodies and T cell receptors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3011-3016.	7.1	357
9	Differential expression of PD-L1 and PD-L2, ligands for an inhibitory receptor PD-1, in the cells of lymphohematopoietic tissues. Immunology Letters, 2002, 84, 57-62.	2.5	249
10	Analyses of Peripheral Blood Mononuclear Cells in Operational Tolerance After Pediatric Living Donor Liver Transplantation. American Journal of Transplantation, 2004, 4, 2118-2125.	4.7	244
11	TMPRSS2: A potential target for treatment of influenza virus and coronavirus infections. Biochimie, 2017, 142, 1-10.	2.6	231
12	Safety profile and anti-tumor effects of adoptive immunotherapy using gamma-delta T cells against advanced renal cell carcinoma: a pilot study. Cancer Immunology, Immunotherapy, 2007, 56, 469-476.	4.2	205
13	Small Molecules Targeting c-Myc Oncogene: Promising Anti-Cancer Therapeutics. International Journal of Biological Sciences, 2014, 10, 1084-1096.	6.4	199
14	The C-Kit Receptor-Mediated Signal Transduction and Tumor-Related Diseases. International Journal of Biological Sciences, 2013, 9, 435-443.	6.4	186
15	Essential Requirement of Antigen Presentation by Monocyte Lineage Cells for the Activation of Primary Human $\hat{3}\hat{1}$ T Cells by Aminobisphosphonate Antigen. Journal of Immunology, 2001, 166, 5508-5514.	0.8	170
16	Phase I/II study of adoptive transfer of $\hat{3}\hat{1}$ T cells in combination with zoledronic acid and IL-2 to patients with advanced renal cell carcinoma. Cancer Immunology, Immunotherapy, 2011, 60, 1075-1084.	4.2	167
17	Targeting of Tumor Cells for Human $\hat{3}\hat{1}$ T Cells by Nonpeptide Antigens. Journal of Immunology, 2001, 167, 5092-5098.	0.8	147
18	Butyrophilin 3A1 Plays an Essential Role in Prenyl Pyrophosphate Stimulation of Human $\hat{3}\hat{2}\hat{V}\hat{1}\hat{2}$ T Cells. Journal of Immunology, 2013, 191, 1029-1042.	0.8	142

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19	Expression and function of PD-1 in human $\gamma\delta$ T cells that recognize phosphoantigens. <i>European Journal of Immunology</i> , 2011, 41, 345-355.	2.9	138
20	$\gamma\delta$ T Cells and Their Potential for Immunotherapy. <i>International Journal of Biological Sciences</i> , 2014, 10, 119-135.	6.4	122
21	Current advances in the development of SARS-CoV-2 vaccines. <i>International Journal of Biological Sciences</i> , 2021, 17, 8-19.	6.4	114
22	Negative regulation of activation-induced cytidine deaminase in B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2752-2757.	7.1	93
23	Requirement of Species-Specific Interactions for the Activation of Human $\gamma\delta$ T Cells by Pamidronate. <i>Journal of Immunology</i> , 2003, 170, 3608-3613.	0.8	86
24	Essential Contribution of Germline-Encoded Lysine Residues in J $\beta$ 1.2 Segment to the Recognition of Nonpeptide Antigen by Human $\gamma\delta$ T Cells. <i>Journal of Immunology</i> , 2001, 167, 6773-6779.	0.8	83
25	Indirect Stimulation of Human $V\beta 2V\delta 2$ T Cells through Alterations in Isoprenoid Metabolism. <i>Journal of Immunology</i> , 2011, 187, 5099-5113.	0.8	79
26	Augmentation of Immune Checkpoint Cancer Immunotherapy with IL18. <i>Clinical Cancer Research</i> , 2016, 22, 2969-2980.	7.0	78
27	Gamma $\delta$ /delta T cells provide innate immunity against renal cell carcinoma. <i>Cancer Immunology, Immunotherapy</i> , 2001, 50, 115-124.	4.2	76
28	Functional $\gamma\delta$ T-lymphocyte Defect Associated with Human Immunodeficiency Virus Infections. <i>Molecular Medicine</i> , 1997, 3, 60-71.	4.4	74
29	Structural Features of Nonpeptide Prenyl Pyrophosphates That Determine Their Antigenicity for Human $\gamma\delta$ T Cells. <i>Journal of Immunology</i> , 2001, 167, 36-41.	0.8	74
30	Anti-Programmed Cell Death 1 Antibody Reduces CD4+PD-1+ T Cells and Relieves the Lupus-Like Nephritis of NZB/W F1 Mice. <i>Journal of Immunology</i> , 2010, 184, 2337-2347.	0.8	73
31	Complete remission of lung metastasis following adoptive immunotherapy using activated autologous gamma delta T-cells in a patient with renal cell carcinoma. <i>Anticancer Research</i> , 2010, 30, 575-9.	1.1	63
32	Recognition of nonpeptide prenyl pyrophosphate antigens by human $\gamma\delta$ T cells. <i>Microbes and Infection</i> , 1999, 1, 175-186.	1.9	62
33	Dysregulated Generation of Follicular Helper T Cells in the Spleen Triggers Fatal Autoimmune Hepatitis in Mice. <i>Gastroenterology</i> , 2011, 140, 1322-1333.e5.	1.3	61
34	Involvement of CD166 in the Activation of Human $\gamma\delta$ T Cells by Tumor Cells Sensitized with Nonpeptide Antigens. <i>Journal of Immunology</i> , 2006, 177, 877-884.	0.8	60
35	Effect of IL-18 on the Expansion and Phenotype of Human Natural Killer Cells: Application to Cancer Immunotherapy. <i>International Journal of Biological Sciences</i> , 2018, 14, 331-340.	6.4	57
36	Initial success in the identification and management of the coronavirus disease 2019 (COVID-19) indicates human-to-human transmission in Wuhan, China. <i>International Journal of Biological Sciences</i> , 2020, 16, 1846-1860.	6.4	56

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37	Zoledronic acid-induced expansion of $\hat{\text{I}}^{\hat{\text{3}}}$ T cells from early-stage breast cancer patients: effect of IL-18 on helper NK cells. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 677-687.	4.2	55
38	Enhanced expression of programmed death-1 (PD-1)/PD-L1 in salivary glands of patients with Sjögren's syndrome. <i>Journal of Rheumatology</i> , 2005, 32, 2156-63.	2.0	53
39	Recognition mechanism of non-peptide antigens by human $\hat{\text{A}}^{\hat{\text{T}}}$ T cells. <i>International Immunology</i> , 2003, 15, 1301-1307.	4.0	50
40	Zoledronate Sensitizes Neuroblastoma-derived Tumor-initiating Cells to Cytolysis Mediated by Human $\hat{\text{I}}^{\hat{\text{3}}}$ T Cells. <i>Journal of Immunotherapy</i> , 2012, 35, 598-606.	2.4	50
41	Comparison of $\hat{\text{I}}^{\hat{\text{3}}}$ T cell responses and farnesyl diphosphate synthase inhibition in tumor cells pretreated with zoledronic acid. <i>Cancer Science</i> , 2013, 104, 536-542.	3.9	50
42	$\hat{\text{I}}^{\hat{\text{3}}}$ T Cell Immunotherapy – A Review. <i>Pharmaceuticals</i> , 2015, 8, 40-61.	3.8	50
43	Enhancing adoptive cancer immunotherapy with $\hat{\text{V}}^{\hat{\text{3}}}\hat{\text{V}}^{\hat{\text{2}}}$ T cells through pulse zoledronate stimulation. , 2017, 5, 9.		49
44	Anti-Tumor Activity and Immunotherapeutic Potential of a Bisphosphonate Prodrug. <i>Scientific Reports</i> , 2017, 7, 5987.	3.3	49
45	C8/119S Mutation of Major Mite Allergen Derf-2 Leads to Degenerate Secondary Structure and Molecular Polymerization and Induces Potent and Exclusive Th1 Cell Differentiation. <i>Journal of Immunology</i> , 2000, 165, 2895-2902.	0.8	47
46	SARS-CoV-2 variants evolved during the early stage of the pandemic and effects of mutations on adaptation in Wuhan populations. <i>International Journal of Biological Sciences</i> , 2021, 17, 97-106.	6.4	45
47	Expansion of human $\hat{\text{I}}^{\hat{\text{3}}}$ T cells for adoptive immunotherapy using a bisphosphonate prodrug. <i>Cancer Science</i> , 2018, 109, 587-599.	3.9	40
48	IL-12 regulates the expansion, phenotype, and function of murine NK cells activated by IL-15 and IL-18. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 1699-1712.	4.2	39
49	Targeting Cancer Cells with a Bisphosphonate Prodrug. <i>ChemMedChem</i> , 2016, 11, 2656-2663.	3.2	35
50	Involvement of CD56 <sup>bright</sup> CD11c <sup>+</sup> Cells in IL-18-Mediated Expansion of Human $\hat{\text{I}}^{\hat{\text{3}}}$ T Cells. <i>Journal of Immunology</i> , 2011, 186, 2003-2012.	0.8	34
51	&lt;p&gt;New Advances in Canonical Wnt/ $\hat{\text{I}}^{\hat{\text{2}}}$ -Catenin Signaling in Cancer&lt;p&gt;. <i>Cancer Management and Research</i> , 2020, Volume 12, 6987-6998.	1.9	34
52	Effective drugs used to combat SARS-CoV-2 infection and the current status of vaccines. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111330.	5.6	33
53	High Recovery Purification and Some Properties of $\hat{\text{a}}^{\hat{\text{2}}}$ -Glucosidase from <i>Aspergillus niger</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1993, 57, 2172-2173.	1.3	31
54	Risk Factors and Primary Prevention Trials for Type 1 Diabetes. <i>International Journal of Biological Sciences</i> , 2013, 9, 666-679.	6.4	31

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55	Frontline Science: IL-18 primes murine NK cells for proliferation by promoting protein synthesis, survival, and autophagy. <i>Journal of Leukocyte Biology</i> , 2018, 104, 253-264.	3.3	31
56	Analytical performance of a new automated chemiluminescent magnetic immunoassays for soluble PD-1, PD-L1, and CTLA-4 in human plasma. <i>Scientific Reports</i> , 2019, 9, 10144.	3.3	29
57	Clinical Grade iPSCs: Need for Versatile Small Molecules and Optimal Cell Sources. <i>Chemistry and Biology</i> , 2013, 20, 1311-1322.	6.0	27
58	Structure-based drug discovery for combating influenza virus by targeting the PA-PB1 interaction. <i>Scientific Reports</i> , 2017, 7, 9500.	3.3	27
59	Human $\gamma$ -DELTA T Cells and Tumor Immunotherapy. <i>Journal of Clinical and Experimental Hematopathology: JCEH</i> , 2006, 46, 11-23.	0.8	26
60	Formation and stabilization of the telomeric antiparallel G-quadruplex and inhibition of telomerase by novel benzothioxanthene derivatives with anti-tumor activity. <i>Scientific Reports</i> , 2015, 5, 13693.	3.3	26
61	Interferon- $\beta$ -Dependent Expression of Inducible Nitric Oxide Synthase, Interleukin-12, and Interferon- $\beta$ -Inducing Factor in Macrophages Elicited by Allografted Tumor Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 555-563.	2.1	25
62	Immunotherapies: The Blockade of Inhibitory Signals. <i>International Journal of Biological Sciences</i> , 2012, 8, 1420-1430.	6.4	24
63	Structural Studies of $\alpha$ 2 T Cell Phosphoantigens. <i>Chemistry and Biology</i> , 2006, 13, 985-992.	6.0	23
64	Nonexistence of exo-cellobiohydrolase (CBH) in the cellulase system of <i>Trichoderma viride</i> . <i>Agricultural and Biological Chemistry</i> , 1988, 52, 2981-2984.	0.3	18
65	Small molecule inhibitor of HSP47 prevents pro-fibrotic mechanisms of fibroblasts in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 561-565.	2.1	17
66	Crystal structure of the N-myristoylated lipopeptide-bound MHC class I complex. <i>Nature Communications</i> , 2016, 7, 10356.	12.8	16
67	Critical Roles for Coiled-Coil Dimers of Butyrophilin 3A1 in the Sensing of Prenyl Pyrophosphates by Human $\alpha$ 2 T Cells. <i>Journal of Immunology</i> , 2019, 203, 607-626.	0.8	16
68	Comparison of a Novel Bisphosphonate Prodrug and Zoledronic Acid in the Induction of Cytotoxicity in Human $\alpha$ 2 T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 1405.	4.8	16
69	Cancer immunotherapy harnessing $\beta$ T cells and programmed death-1. <i>Immunological Reviews</i> , 2020, 298, 237-253.	6.0	16
70	Human $\alpha$ 2 T cells exert anti-tumor activity independently of PD-L1 expression in tumor cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 573, 132-139.	2.1	16
71	Anti-cancer activity of benzoxazinone derivatives via targeting c-Myc G-quadruplex structure. <i>Life Sciences</i> , 2020, 258, 118252.	4.3	15
72	PD-1 checkpoint blockade enhances adoptive immunotherapy by human $\alpha$ 2 T cells against human prostate cancer. <i>Oncolmmunology</i> , 2021, 10, 1989789.	4.6	15

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73	A schizont-derived protein, TpSCOP, is involved in the activation of NF- $\kappa$ B in <i>Theileria parva</i> -infected lymphocytes. <i>Molecular and Biochemical Parasitology</i> , 2010, 174, 8-17.	1.1	14
74	Analysis of mechanism for human $\gamma\delta$ T cell recognition of nonpeptide antigens. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 349-360.	2.1	13
75	Crystal structure and some properties of a major house dust mite allergen, Derf 2. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 679-686.	2.1	13
76	Quantitative Transcriptomic Profiling of Branching in a Glycosphingolipid Biosynthetic Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 27214-27224.	3.4	13
77	Subcellular dissemination of prothymosin alpha at normal physiology: immunohistochemical vis-a-vis western blotting perspective. <i>BMC Physiology</i> , 2016, 16, 2.	3.6	12
78	Hydrolysis of $\alpha$ - and $\beta$ -d-glucosyl fluoride by individual glucosidases: new evidence for separately controlled $\alpha$ - and $\beta$ -phases in glycosylase catalysis. <i>Carbohydrate Research</i> , 1993, 250, 45-56.	2.3	11
79	Specific and high-affinity binding of tetramerized PD-L1 extracellular domain to PD-1-expressing cells: possible application to enhance T cell function. <i>International Immunology</i> , 2007, 19, 881-890.	4.0	11
80	Live Cell Labeling with Terpyridine Derivative Proligands to Measure Cytotoxicity Mediated by Immune Cells. <i>ChemMedChem</i> , 2017, 12, 2006-2013.	3.2	9
81	Identification and Structure of an MHC Class II-Encoded Protein with the Potential to Present <i>N</i> -Myristoylated 4-mer Peptides to T Cells. <i>Journal of Immunology</i> , 2019, 202, 3349-3358.	0.8	9
82	Discovery of Pyrrole-imidazole Polyamides as PD-L1 Expression Inhibitors and Their Anticancer Activity via Immune and Nonimmune Pathways. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6021-6036.	6.4	9
83	SIPA1 Enhances Aerobic Glycolysis Through HIF-2 $\alpha$ Pathway to Promote Breast Cancer Metastasis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 779169.	3.7	9
84	A new indicator of favorable prognosis in locally advanced renal cell carcinomas: gamma delta T-cells in peripheral blood. <i>Anticancer Research</i> , 2011, 31, 1027-31.	1.1	9
85	Synthesis of blockwise alkylated tetrasaccharide-organic quantum dot complexes and their utilization for live cell labeling with low cytotoxicity. <i>Cellulose</i> , 2012, 19, 171-187.	4.9	7
86	Regulation of Development of CD56 <sup>bright</sup> CD11c <sup>+</sup> NK-like Cells with Helper Function by IL-18. <i>PLoS ONE</i> , 2013, 8, e82586.	2.5	7
87	Synthesis and Immunomodulatory Activity of Fluorine-Containing Bisphosphonates. <i>ChemMedChem</i> , 2019, 14, 462-468.	3.2	7
88	5-Aza-2 $\alpha$ -deoxycytidine advances EMT of breast cancer cells by demethylating <i>Sipa1</i> promoter-proximal elements. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	7
89	Extracellular Vesicles Derived from SIPA1 <sup>high</sup> Breast Cancer Cells Enhance Macrophage Infiltration and Cancer Metastasis through Myosin-9. <i>Biology</i> , 2022, 11, 543.	2.8	7
90	Preliminary Success in the Characterization and Management of a Sudden Breakout of a Novel H7N9 Influenza A Virus. <i>International Journal of Biological Sciences</i> , 2014, 10, 109-118.	6.4	5

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91	Effects of zoledronic acid and the association between its efficacy and $\hat{\text{T}}$ cells in postmenopausal women with breast cancer treated with preoperative hormonal therapy: a study protocol. <i>Journal of Translational Medicine</i> , 2014, 12, 310.	4.4	5
92	Combined effects of neoadjuvant letrozole and zoledronic acid on $\hat{\text{T}}$ cells in postmenopausal women with early-stage breast cancer. <i>Breast</i> , 2018, 38, 114-119.	2.2	5
93	Establishment of Novel Reporter Cells Stably Maintaining Transcription Factor-driven Human Secreted Alkaline Phosphatase Expression. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 224-231.	1.6	5
94	Determination of human $\hat{\text{T}}$ cell-mediated cytotoxicity using a non-radioactive assay system. <i>Journal of Immunological Methods</i> , 2019, 466, 32-40.	1.4	4
95	Design and Synthesis of a Class of Compounds That Inhibit the Growth of Fungi Which Cause Invasive Infections. <i>ChemistrySelect</i> , 2020, 5, 1140-1145.	1.5	4
96	Lead Optimization of Influenza Virus RNA Polymerase Inhibitors Targeting PA $\hat{\text{P}}$ B1 Interaction. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 369-385.	6.4	4
97	Methylcelluloses end-functionalized with peptides as thermoresponsive supramolecular hydrogelators. <i>Cellulose</i> , 2019, 26, 355-382.	4.9	3
98	Effect of 4,5-diazafluorene derivative on $\hat{\text{T}}$ cell-mediated cytotoxicity against renal cell carcinoma. <i>Life Sciences</i> , 2021, 269, 119066.	4.3	3
99	Screening of Inhibitors Targeting Heat Shock Protein 47 Involved in the Development of Idiopathic Pulmonary Fibrosis. <i>ChemMedChem</i> , 2021, 16, 2515-2523.	3.2	3
100	Recognition and Function of Human $\hat{\text{T}}$ Cells: Application for Tumor Immunotherapy. <i>Current Immunology Reviews</i> , 2005, 1, 275-285.	1.2	2
101	Inhibition of Tumor Cell Proliferation <i>In Vitro</i> by Benzamide Derivatives. <i>Advanced Materials Research</i> , 2014, 997, 225-228.	0.3	2
102	Effect of Three Major Polyphenols in Red Wine on Sodium Channel Current in Mouse Dorsal Root Ganglia Cells. <i>Advanced Materials Research</i> , 0, 790, 525-529.	0.3	1
103	Anti-PD-1 and Anti-PD-L1 mAbs. , 2016, , 283-294.		1
104	A Novel RNA Synthesis Inhibitor, STK160830, Has Negligible DNA-Intercalating Activity for Triggering A p53 Response, and Can Inhibit p53-Dependent Apoptosis. <i>Life</i> , 2021, 11, 1087.	2.4	1
105	Design, synthesis and biological evaluation of 2-pyrrolone derivatives as radioprotectors. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 67, 116764.	3.0	1
106	The Establishment and Application of Three Kinds of the SCID Mouse-Based Improved Animal Models in the Research of AIDS, Chronic Hepatitis B and C. <i>Advanced Materials Research</i> , 0, 749, 433-438.	0.3	0
107	Correlation among CD4 $\hat{\text{T}}$ CD25 $\hat{\text{T}}$ T Cell Frequency, CTLA-4 Expression Level, and Disease Progression in Patients with HIV/AIDS. <i>Advanced Materials Research</i> , 0, 749, 444-448.	0.3	0
108	Research on Biological Materials with Oxazinone Derivatives Induce Apoptosis in HT-29 Cells. <i>Advanced Materials Research</i> , 0, 908, 220-223.	0.3	0