Toshiyuki Tanaka

List of Publications by Year
in descending order

89 papers	4,349 citations	117453 34 h-index	110170 64 g-index
90 all docs	90 docs citations	90 times ranked	5381 citing authors

#	Article	IF	Citations
1	Lymphocyte trafficking across high endothelial venules: dogmas and enigmas. Nature Reviews Immunology, 2004, 4, 360-370.	10.6	401
2	CCR7 Is Critically Important for Migration of Dendritic Cells in Intestinal Lamina Propria to Mesenteric Lymph Nodes. Journal of Immunology, 2006, 176, 803-810.	0.4	381
3	A Novel, High Endothelial Venuleâ€“Specific Sulfotransferase Expresses 6-Sulfo Sialyl Lewisx, an L-Selectin Ligand Displayed by CD34. Immunity, 1999, 11, 79-89.	6.6	226
4	Thromboxane A2 modulates interaction of dendritic cells and T cells and regulates acquired immunity. Nature Immunology, 2003, 4, 694-701.	7.0	189
5	Chemokines in tumor progression and metastasis. Cancer Science, 2005, 96, 317-322.	1.7	183
6	Selective long-term elimination of natural killer cells in vivo by an anti-interleukin 2 receptor beta chain monoclonal antibody in mice.. Journal of Experimental Medicine, 1993, 178, 1103-1107.	4.2	165
7	CD52 is a novel costimulatory molecule for induction of CD4+ regulatory T cells. Clinical Immunology, 2006, 120, 247-259.	1.4	139
8	Antibody-mediated blockade of IL-15 reverses the autoimmune intestinal damage in transgenic mice that overexpress IL-15 in enterocytes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15849-15854.	3.3	124
9	Mouse Homolog of Poliovirus Receptor-Related Gene 2 Product, mPRR2, Mediates Homophilic Cell Aggregation. Experimental Cell Research, 1997, 235, 374-384.	1.2	122
10	Involvement of the Lysophosphatidic Acid-Generating Enzyme Autotaxin in Lymphocyte-Endothelial Cell Interactions. American Journal of Pathology, 2008, 173, 1566-1576.	1.9	107
11	Cutting Edge: The B Cell Chemokine CXC Chemokine Ligand 13/B Lymphocyte Chemoattractant Is Expressed in the High Endothelial Venules of Lymph Nodes and Peyerâ€™s Patches and Affects B Cell Trafficking Across High Endothelial Venules. Journal of Immunology, 2003, 171, 1642-1646.	0.4	97
12	Constitutive Lymphocyte Transmigration across the Basal Lamina of High Endothelial Venules Is Regulated by the Autotaxin/Lysophosphatidic Acid Axis. Journal of Immunology, 2013, 190, 2036-2048.	0.4	95
13	Primary human immunodeficiency virus type 1 viremia and central nervous system invasion in a novel hu-PBL-immunodeficient mouse strain. Journal of Virology, 1997, 71, 2417-2424.	1.5	84
14	CD73-Generated Adenosine Restricts Lymphocyte Migration into Draining Lymph Nodes. Journal of Immunology, 2008, 180, 6288-6296.	0.4	83
15	CD44 binds a chondroitin sulfate proteoglycan, aggrecan. International Immunology, 2001, 13, 359-366.	1.8	82
16	A high endothelial venule-expressing promiscuous chemokine receptor DARC can bind inflammatory, but not lymphoid, chemokines and is dispensable for lymphocyte homing under physiological conditions. International Immunology, 2003, 15, 1219-1227.	1.8	81
17	Chondroitin Sulfate E Fragments Enhance CD44 Cleavage and CD44-Dependent Motility in Tumor Cells. Cancer Research, 2008, 68, 7191-7199.	0.4	80
18	Age-associated increase in number of CD4+CD8+ intestinal intraepithelial lymphocytes in rats. European Journal of Immunology, 1992, 22, 159-164.	1.6	76

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19	Similarities and Differences between Extrathymic T Cells Residing in Mouse Liver and Intestine. Cellular Immunology, 1994, 153, 52-66.	1.4	70
20	Binding of Lymphoid Chemokines to Collagen IV That Accumulates in the Basal Lamina of High Endothelial Venules: Its Implications in Lymphocyte Trafficking. Journal of Immunology, 2007, 179, 4376-4382.	0.4	70
21	Novel metastasis model of human lung cancer in SCID mice depleted of NK cells. , 1996, 67, 211-217.		64
22	Analysis of the mode of action of a novel immunosuppressant FTY720 in mice. Immunopharmacology, 1999, 41, 199-207.	2.0	64
23	Gene Expression Profiling of Mucosal Addressin Cell Adhesion Molecule-1+ High Endothelial Venule Cells (HEV) and Identification of a Leucine-Rich HEV Glycoprotein as a HEV Marker. Journal of Immunology, 2002, 168, 1050-1059.	0.4	61
24	A High Endothelial Venule Secretory Protein, Mac25/Angiomodulin, Interacts with Multiple High Endothelial Venule-Associated Molecules Including Chemokines. Journal of Immunology, 2003, 171, 553-561.	0.4	61
25	Nepmucin, a novel HEV sialomucin, mediates L-selectinâ€“dependent lymphocyte rolling and promotes lymphocyte adhesion under flow. Journal of Experimental Medicine, 2006, 203, 1603-1614.	4.2	58
26	Molecular mechanisms underlying lymphocyte recirculation II. Differential regulation of LFA-1 in the interaction between lymphocytes and high endothelial cells. European Journal of Immunology, 1991, 21, 855-858.	1.6	57
27	CD43 Collaborates with P-Selectin Glycoprotein Ligand-1 to Mediate E-Selectin-Dependent T Cell Migration into Inflamed Skin. Journal of Immunology, 2007, 178, 2499-2506.	0.4	56
28	Constitutive Plasmacytoid Dendritic Cell Migration to the Splenic White Pulp Is Cooperatively Regulated by CCR7- and CXCR4-Mediated Signaling. Journal of Immunology, 2012, 189, 191-199.	0.4	53
29	Expression profile of active genes in mouse lymph node high endothelial cells. International Immunology, 1999, 11, 1989-1998.	1.8	50
30	Stage-Specific Expression of Mucosal Addressin Cell Adhesion Molecule-1 During Embryogenesis in Rats. Journal of Immunology, 2000, 164, 2463-2471.	0.4	50
31	CXCL13 is an arrest chemokine for B cells in high endothelial venules. Blood, 2005, 106, 2613-2618.	0.6	49
32	Rap1 controls lymphocyte adhesion cascade and interstitial migration within lymph nodes in RAPL-dependent and -independent manners. Blood, 2010, 115, 804-814.	0.6	49
33	Suppression of SOX7 by DNA methylation and its tumor suppressor function in acute myeloid leukemia. Blood, 2015, 125, 3928-3936.	0.6	47
34	Characterization of Intermediate TCR Cells in the Liver of Mice with Respect to Their Unique IL-2R Expression. Cellular Immunology, 1993, 149, 331-342.	1.4	39
35	In utero treatment with monoclonal antibody to IL-2 receptor Î²-chain completely abrogates development of Thy-1+ dendritic epidermal cells. International Immunology, 1992, 4, 487-491.	1.8	35
36	Lack of intermediate-affinity interleukin-2 receptor in mice leads to dependence on interleukin-2 receptor Î±, Î² and Î³ chain expression for T cell growth. European Journal of Immunology, 1996, 26, 201-206.	1.6	33

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37	Molecular Determinants Controlling Homeostatic Recirculation and Tissue-Specific Trafficking of Lymphocytes. International Archives of Allergy and Immunology, 2004, 134, 120-134.	0.9	32
38	Endomucin, a sialomucin expressed in high endothelial venules, supports L-selectin-mediated rolling. International Immunology, 2004, 16, 1265-1274.	1.8	31
39	Oncogenicity of L-type amino-acid transporter 1 (LAT1) revealed by targeted gene disruption in chicken DT40 cells: LAT1 is a promising molecular target for human cancer therapy. Biochemical and Biophysical Research Communications, 2011, 406, 649-655.	1.0	31
40	Characterization of mac25/angiomodulin expression by high endothelial venule cells in lymphoid tissues and its identification as an inducible marker for activated endothelial cells. International Immunology, 2002, 14, 1273-1282.	1.8	27
41	Regulation of Leukocyte Migration Across Endothelial Barriers by ECTO-5â€²-Nucleotidase-Generated Adenosine. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 755-760.	0.4	24
42	Inhibition of tumor formation and metastasis by a monoclonal antibody against lymphatic vessel endothelial hyaluronan receptor 1. Cancer Science, 2018, 109, 3171-3182.	1.7	24
43	Dysregulated expression of the IL-2 receptor Î²-chain abrogates development of NK cells and Thy-1+ dendritic epidermal cells in transgenic mice. International Immunology, 1995, 7, 1441-1449.	1.8	23
44	Dynamic Expression of Chemokines and the Infiltration of Inflammatory Cells in the HSV-Infected Cornea and its Associated Tissues. Ocular Immunology and Inflammation, 2006, 14, 257-266.	1.0	23
45	Nepmucin/CLMâ€9, an Ig domainâ€containing sialomucin in vascular endothelial cells, promotes lymphocyte transendothelial migration in vitro. FEBS Letters, 2008, 582, 3018-3024.	1.3	22
46	LIM domainâ€containing adaptor, leupaxin, localizes in focal adhesion and suppresses the integrinâ€induced tyrosine phosphorylation of paxillin. Cancer Science, 2010, 101, 363-368.	1.7	22
47	Plasmacytoid dendritic cells employ multiple cell adhesion molecules sequentially to interact with high endothelial venule cells - molecular basis of their trafficking to lymph nodes. International Immunology, 2007, 19, 1031-1037.	1.8	21
48	Characterization of an apparently conserved epitope in E- and P-selectin identified by dual-specific monoclonal antibodies. European Journal of Immunology, 1999, 29, 1551-1560.	1.6	20
49	The appearance and role of Î³Î´ T cells in the peritoneal cavity and liver during primary infection with Listeria monocytogenes in rats. International Immunology, 1992, 4, 1129-1136.	1.8	19
50	ANERGIC T CELLS GENERATED IN VITRO SUPPRESS REJECTION RESPONSE TO ISLET ALLOGRAFTS. Transplantation, 2000, 69, 2144-2148.	0.5	19
51	Expression and role of interleukin-2 receptor Î² chain on CD4â^'CD8+ T cell receptor Î±Î²+ cells. European Journal of Immunology, 1992, 22, 2929-2935.	1.6	16
52	IL-2 inhibits IL-4-dependent IgE and IgG1 production in vitro and in vivo. International Immunology, 1995, 7, 259-268.	1.8	16
53	Differential regulation of the sphere formation and maintenance of cancer-initiating cells of malignant mesothelioma via CD44 and ALK4 signaling pathways. Oncogene, 2018, 37, 6357-6367.	2.6	16
54	In vitroTargeting and Cytotoxicity of Adriamycin in Liposomes Bearing Monoclonal Antibody against Rat or Human gp125 Cell Proliferation-associated Antigen. Japanese Journal of Cancer Research, 1989, 80, 380-386.	1.7	14

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55	Establishment of human granulocyte-macrophage colony stimulating factor producing transgenic SCID mice. British Journal of Haematology, 1996, 95, 437-442.	1.2	13
56	Mucosal Addressin Cell Adhesion Molecule 1 Plays an Unexpected Role in the Development of Mouse Guard Hair. Journal of Investigative Dermatology, 2002, 119, 632-638.	0.3	13
57	Aspirin prevents adhesion of T lymphoblasts to vascular smooth muscle cells. FEBS Letters, 2007, 581, 427-432.	1.3	13
58	Dynamic Changes in Endothelial Cell Adhesion Molecule Nepmucin/CD300LG Expression under Physiological and Pathological Conditions. PLoS ONE, 2013, 8, e83681.	1.1	13
59	ACTIVATION OF EXTRATHYMIC T CELLS IN THE LIVER OF MICE BEARING SYNGENEIC TUMORS . Biomedical Research, 1993, 14, 65-79.	0.3	13
60	VLA-4-dependent and -independent pathways in cell contact-induced proinflammatory cytokine production by synovial nurse-like cells from rheumatoid arthritis patients. Arthritis Research, 2002, 4, R10.	2.0	12
61	Locally expressed CTLA4-Ig in a pancreatic beta-cell line suppresses accelerated graft rejection response induced by donor-specific transfusion. Diabetologia, 2002, 45, 831-840.	2.9	12
62	Signal transduction through the human IL-2 receptor Î²-chain expressed in IL-6- dependent mouse B cell hybridoma. International Immunology, 1991, 3, 105-108.	1.8	11
63	The role of the interleukin-2 (IL-2)/IL-2 receptor pathway in MRL/lpr lymphadenopathy: The expanded CD4â^'8â^' T cell subset completely lacks functional IL-2 receptors. European Journal of Immunology, 1993, 23, 1378-1380.	1.6	11
64	Invasive human pancreatic carcinoma cells adhere to endothelial tri-cellular corners and increase endothelial permeability. Cancer Science, 2005, 96, 766-773.	1.7	11
65	Appearance of a Proliferation-Associated Antigen, gp125, on Rat and Human Lymphocytes by Co-Stimulation with Phorbol Ester and Calcium Ionophore1. Journal of Biochemistry, 1988, 103, 644-649.	0.9	10
66	RENAL ALLOGRAFT REJECTION IN CD4+ T CELL-RECONSTITUTED ATHYMIC NUDE RATS. Transplantation, 1990, 50, 996-1000.	0.5	10
67	Identification of an equivalent to murine Thy-1+ dendritic epidermal cells in the rat epidermis. Journal of Dermatological Science, 1992, 3, 68-71.	1.0	10
68	Constitutive expression of glyCAM-1 core protein in the rat cochlea. Cell Adhesion and Communication, 1999, 7, 259-266.	1.7	10
69	Neutrophil/lymphocyte ratio elevation in renal dysfunction is caused by distortion of leukocyte hematopoiesis in bone marrow. Renal Failure, 2019, 41, 284-293.	0.8	10
70	DIRECT ANTIGEN PRESENTATION THROUGH BINDING OF DONOR INTERCELLULAR ADHESION MOLECULE-1 TO RECIPIENT LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-1 MOLECULES IN XENOGRAFT REJECTION1. Transplantation, 1998, 65, 1094-1100.	0.5	10
71	Difference in Changes of Plasma Volume in Two Types of Goldblatt Hypertension in Rabbits. Tohoku Journal of Experimental Medicine, 1976, 118, 113-125.	0.5	9
72	<scp>NIH</scp>3<scp>T</scp>3 cells overexpressing <scp>CD</scp>98 heavy chain resist early <scp>G</scp>1 arrest and apoptosis induced by serum starvation. Cancer Science, 2012, 103, 1460-1466.	1.7	9

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73	Development of new screening system for Alzheimer disease, in vitro AÎ² sink assay, to identify the dissociation of soluble AÎ² from fibrils. Neurobiology of Disease, 2006, 22, 487-495.	2.1	8
74	Oncogenic transformation of NIH/3T3 cells by the overexpression of L-type amino acid transporter 1, a promising anti-cancer target. Oncotarget, 2021, 12, 1256-1270.	0.8	8
75	Reduced lifespan of erythrocytes in Dahl/Salt sensitive rats is the cause of the renal proximal tubule damage. Scientific Reports, 2020, 10, 22023.	1.6	8
76	Intercellular adhesion molecule-1 and leukocyte function-associated antigen-1 are involved in protection mediated by CD3+TCRÎ±Î²â^'T cells at the early stage after infection with Listeria monocytogenes in rats. International Immunology, 1994, 6, 955-961.	1.8	7
77	Application of a Radioimmunoassay for Angiotensin I to the Measurement of Plasma Renin in Rabbits, and Comparison with a Biological Assay of Plasma Renin Activity. Tohoku Journal of Experimental Medicine, 1975, 116, 219-227.	0.5	6
78	Clonal dissemination of T-lymphocytes inscid mice from familial hemophagocytic lymphohistiocytosis. , 1999, 32, 201-208.		6
79	Lymphocyte binding to MAdCAM-1 via Î±4Î²7 integrin activates a signal transduction pathway involving tyrosine phosphorylation of paxillin and p105Cas-L. Immunology Letters, 2002, 81, 223-228.	1.1	6
80	Pheochromocytoma with Renal Artery Stenosis and High Plasma Renin Activity. International Heart Journal, 1975, 16, 741-748.	0.6	6
81	Treatment of murine cardiac allograft by monoclonal antibodies to IL-2 receptor Î± chain and Î² chain. Transplantation Proceedings, 1997, 29, 2301-2302.	0.3	5
82	Responses of Plasma Renin to Sodium Load in Two Types of Experimental Renal Hypertension. International Heart Journal, 1977, 18, 112-119.	0.6	2
83	Increased weight and protein contents of the aorta and left ventricle in acute Goldblatt hypertension.. Tohoku Journal of Experimental Medicine, 1978, 126, 71-76.	0.5	1
84	Peri-Ureteric Collateral Vessels in Rabbits with Experimental Renal Hypertension. International Heart Journal, 1977, 18, 722-728.	0.6	1
85	Structural Analysis of Proteins by Multi-Dimensional NMR.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1993, 51, 491-501.	0.0	1
86	Anergic cells generated in vitro suppress rejection response to islet allografts. Transplantation Proceedings, 1999, 31, 623.	0.3	0
87	How do lymphocytes find their way in vivo?. Ensho Saisei, 2004, 24, 611-618.	0.2	0
88	Effect of Amyl Nitrite Inhalation on the Abnormal T Loop of Vectorcardiogram. International Heart Journal, 1978, 19, 712-718.	0.6	0
89	CLINICAL EXPERIENCE OF ENTERO-MESETERIC BRIDGE OPERATION (KINMONTH'S OPERATION) IN THE TREATMENT OF SECONDARY LYMPHOEDEMA OF THE LOWER EXTREMITES. The Journal of the Japanese Practical Surgeon Society, 1992, 53, 1231-1234.	0.0	0