

Toshiki Watanabe

List of Publications by Year in descending order

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112
papers

6,281
citations

94433

37
h-index

74163

75
g-index

115
all docs

115
docs citations

115
times ranked

6057
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated molecular analysis of adult T cell leukemia/lymphoma. <i>Nature Genetics</i> , 2015, 47, 1304-1315.	21.4	659
2	Definition, Prognostic Factors, Treatment, and Response Criteria of Adult T-Cell Leukemia-Lymphoma: A Proposal From an International Consensus Meeting. <i>Journal of Clinical Oncology</i> , 2009, 27, 453-459.	1.6	485
3	Polycomb-Mediated Loss of miR-31 Activates NIK-Dependent NF- κ B Pathway in Adult T Cell Leukemia and Other Cancers. <i>Cancer Cell</i> , 2012, 21, 121-135.	16.8	306
4	Human T-cell leukemia virus type I (HTLV-1) proviral load and disease progression in asymptomatic HTLV-1 carriers: a nationwide prospective study in Japan. <i>Blood</i> , 2010, 116, 1211-1219.	1.4	303
5	HTLV-I Uveitis: A Distinct Clinical Entity Caused by HTLV-I. <i>Japanese Journal of Cancer Research</i> , 1992, 83, 236-239.	1.7	271
6	CD30: expression and function in health and disease. <i>Seminars in Immunology</i> , 1998, 10, 457-470.	5.6	264
7	5 α -Long Terminal Repeat-Selective CpG Methylation of Latent Human T-Cell Leukemia Virus Type 1 Provirus In Vitro and In Vivo. <i>Journal of Virology</i> , 2002, 76, 9389-9397.	3.4	208
8	Adult T-Cell Leukemia: A Review of Epidemiological Evidence. <i>Frontiers in Microbiology</i> , 2012, 3, 322.	3.5	203
9	Adult T-cell leukemia: molecular basis for clonal expansion and transformation of HTLV-1-infected T cells. <i>Blood</i> , 2017, 129, 1071-1081.	1.4	143
10	Polycomb-dependent epigenetic landscape in adult T-cell leukemia. <i>Blood</i> , 2016, 127, 1790-1802.	1.4	135
11	Dual targeting of transformed and untransformed HTLV-1-infected T cells by DHMEQ, a potent and selective inhibitor of NF- κ B, as a strategy for chemoprevention and therapy of adult T-cell leukemia. <i>Blood</i> , 2005, 106, 2462-2471.	1.4	124
12	JunB Induced by Constitutive CD30-Extracellular Signal-Regulated Kinase 1/2 Mitogen-Activated Protein Kinase Signaling Activates the CD30 Promoter in Anaplastic Large Cell Lymphoma and Reed-Sternberg Cells of Hodgkin Lymphoma. <i>Cancer Research</i> , 2005, 65, 7628-7634.	0.9	118
13	Human T lymphotropic virus type-I and adult T-cell leukemia in Japan. <i>International Journal of Hematology</i> , 2002, 76, 240-245.	1.6	112
14	Variiegated RHOA mutations in adult T-cell leukemia/lymphoma. <i>Blood</i> , 2016, 127, 596-604.	1.4	98
15	Overexpressed NF- κ B-inducing kinase contributes to the tumorigenesis of adult T-cell leukemia and Hodgkin Reed-Sternberg cells. <i>Blood</i> , 2008, 111, 5118-5129.	1.4	97
16	Current status of HTLV-1 infection. <i>International Journal of Hematology</i> , 2011, 94, 430-434.	1.6	97
17	CADM1 Expression and Stepwise Downregulation of CD7 Are Closely Associated with Clonal Expansion of HTLV-1-Infected Cells in Adult T-cell Leukemia/Lymphoma. <i>Clinical Cancer Research</i> , 2014, 20, 2851-2861.	7.0	97
18	Incidence of human T-lymphotropic virus 1 infection in adolescent and adult blood donors in Japan: a nationwide retrospective cohort analysis. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 1246-1254.	9.1	97

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19	The splenic marginal zone is absent in alymphoplastically mutant mice. <i>European Journal of Immunology</i> , 1996, 26, 669-675.	2.9	92
20	HIV-1-encoded antisense RNA suppresses viral replication for a prolonged period. <i>Retrovirology</i> , 2012, 9, 38.	2.0	83
21	Mogamulizumab (Anti-CCR4) in HTLV-1-Associated Myelopathy. <i>New England Journal of Medicine</i> , 2018, 378, 529-538.	27.0	79
22	Retroviral delivery of promoter-targeted shRNA induces long-term silencing of HIV-1 transcription. <i>Microbes and Infection</i> , 2009, 11, 500-508.	1.9	73
23	The Clonal Expansion of Human T Lymphotropic Virus Type 1-Infected T Cells: A Comparison between Seroconverters and Long-Term Carriers. <i>Journal of Infectious Diseases</i> , 2005, 191, 1140-1147.	4.0	68
24	The NPM-ALK oncoprotein abrogates CD30 signaling and constitutive NF- κ B activation in anaplastic large cell lymphoma. <i>Cancer Cell</i> , 2004, 5, 353-364.	16.8	67
25	A novel NF- κ B inhibitor DHMEQ selectively targets constitutive NF- κ B activity and induces apoptosis of multiple myeloma cells in vitro and in vivo. <i>International Journal of Cancer</i> , 2005, 114, 32-38.	5.1	67
26	CADM1 Interacts with Tiam1 and Promotes Invasive Phenotype of Human T-cell Leukemia Virus Type 1-transformed Cells and Adult T-cell Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 15511-15522.	3.4	61
27	Viral interference with host mRNA surveillance, the nonsense-mediated mRNA decay (NMD) pathway, through a new function of HTLV-1 Rex: implications for retroviral replication. <i>Microbes and Infection</i> , 2013, 15, 491-505.	1.9	56
28	Development and validation of a new high-throughput method to investigate the clonality of HTLV-1-infected cells based on provirus integration sites. <i>Genome Medicine</i> , 2014, 6, 46.	8.2	56
29	IL-1 Receptor Type 2 Suppresses Collagen-Induced Arthritis by Inhibiting IL-1 Signal on Macrophages. <i>Journal of Immunology</i> , 2015, 194, 3156-3168.	0.8	56
30	In vivo antitumor activity of the NF- κ B inhibitor dehydroxymethylepoxyquinomicin in a mouse model of adult T-cell leukemia. <i>Carcinogenesis</i> , 2005, 26, 1382-1388.	2.8	54
31	Epigenetic Heterogeneity in HIV-1 Latency Establishment. <i>Scientific Reports</i> , 2015, 5, 7701.	3.3	54
32	Molecular Hallmarks of Adult T Cell Leukemia. <i>Frontiers in Microbiology</i> , 2012, 3, 334.	3.5	52
33	Rapid quantification of HTLV-I provirus load: Detection of monoclonal proliferation of HTLV-I-infected cells among blood donors. , 1999, 81, 859-864.		50
34	The Nature of the HTLV-1 Provirus in Naturally Infected Individuals Analyzed by the Viral DNA-Capture-Seq Approach. <i>Cell Reports</i> , 2019, 29, 724-735.e4.	6.4	46
35	Provirus Load in Patients with Human T-Cell Leukemia Virus Type 1 Uveitis Correlates with Precedent Graves' Disease and Disease Activities. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 608-614.	1.7	45
36	Serum level of soluble CD30 correlates with the aggressiveness of adult T-cell leukemia/lymphoma. <i>Cancer Science</i> , 2005, 96, 810-815.	3.9	45

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37	Elevated expression of CD30 in adult T-cell leukemia cell lines: possible role in constitutive NF-kappaB activation. <i>Retrovirology</i> , 2005, 2, 29.	2.0	45
38	Transcriptional gene silencing of HIV-1 through promoter targeted RNA is highly specific. <i>RNA Biology</i> , 2011, 8, 1035-1046.	3.1	45
39	SUV39H1 interacts with HTLV-1 Tax and abrogates Tax transactivation of HTLV-1 LTR. <i>Retrovirology</i> , 2006, 3, 5.	2.0	39
40	Rapid dissemination of a pathogenic simian/human immunodeficiency virus to systemic organs and active replication in lymphoid tissues following intrarectal infection. <i>Journal of General Virology</i> , 2006, 87, 1311-1320.	2.9	38
41	Aberrant NF- κ B2/p52 expression in Hodgkin/Reed-Sternberg cells and CD30-transformed rat fibroblasts. <i>Oncogene</i> , 2005, 24, 3976-3986.	5.9	35
42	Clonality of HTLV-1-infected T cells as a risk indicator for development and progression of adult T-cell leukemia. <i>Blood Advances</i> , 2017, 1, 1195-1205.	5.2	35
43	Primary gastric T-cell lymphoma with and without human T-lymphotropic virus type 1. <i>Journal of Clinical Microbiology</i> , 1997, 80, 292-303.		34
44	In vitro and in vivo antitumor activity of the NF- κ B inhibitor DHMEQ in the human T-cell leukemia virus type I-infected cell line, HUT-102. <i>Leukemia Research</i> , 2006, 30, 90-97.	0.8	34
45	HTLV-1 Rex: the courier of viral messages making use of the host vehicle. <i>Frontiers in Microbiology</i> , 2012, 3, 330.	3.5	34
46	Proviral Features of Human T Cell Leukemia Virus Type 1 in Carriers with Indeterminate Western Blot Analysis Results. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2838-2849.	3.9	33
47	HTLV-1-Mediated Epigenetic Pathway to Adult T-Cell Leukemia-Lymphoma. <i>Frontiers in Microbiology</i> , 2018, 9, 1686.	3.5	32
48	Chronological genome and single-cell transcriptome integration characterizes the evolutionary process of adult T cell leukemia-lymphoma. <i>Nature Communications</i> , 2021, 12, 4821.	12.8	32
49	Novel Treatments of Adult T Cell Leukemia Lymphoma. <i>Frontiers in Microbiology</i> , 2020, 11, 1062.	3.5	31
50	Engraftment of human non-hodgkin lymphomas in mice with severe combined immunodeficiency. <i>Cancer</i> , 1993, 72, 2686-2694.	4.1	30
51	Adult T-cell leukemia cells are characterized by abnormalities of <i>Helios</i> expression that promote T cell growth. <i>Cancer Science</i> , 2013, 104, 1097-1106.	3.9	30
52	Mutation of epigenetic regulators TET2 and MLL3 in patients with HTLV-I-induced acute adult T-cell leukemia. <i>Molecular Cancer</i> , 2016, 15, 15.	19.2	30
53	Establishment of a novel diagnostic test algorithm for human T-cell leukemia virus type 1 infection with line immunoassay replacement of western blotting: a collaborative study for performance evaluation of diagnostic assays in Japan. <i>Retrovirology</i> , 2020, 17, 26.	2.0	30
54	Mortality and risk of progression to adult T cell leukemia/lymphoma in HTLV-1-associated myelopathy/tropical spastic paraparesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11685-11691.	7.1	28

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55	Prompt tumor formation and maintenance of constitutive NF-kappaB activity of multiple myeloma cells in NOD/SCID/gammaCnull mice. <i>Cancer Science</i> , 2004, 95, 564-568.	3.9	27
56	Identification of TL-Om1, an Adult T-Cell Leukemia (ATL) Cell Line, as Reference Material for Quantitative PCR for Human T-Lymphotropic Virus 1. <i>Journal of Clinical Microbiology</i> , 2015, 53, 587-596.	3.9	27
57	A Nationwide Antenatal Human T-Cell Leukemia Virus Type-1 Antibody Screening in Japan. <i>Frontiers in Microbiology</i> , 2020, 11, 595.	3.5	27
58	Ets-1 Activates Overexpression of JunB and CD30 in Hodgkin's Lymphoma and Anaplastic Large-Cell Lymphoma. <i>American Journal of Pathology</i> , 2012, 180, 831-838.	3.8	25
59	Advanced human T-cell leukemia virus type 1 carriers and early-stage indolent adult T-cell leukemia lymphoma are indistinguishable based on <i>CADM1</i> positivity in flow cytometry. <i>Cancer Science</i> , 2015, 106, 598-603.	3.9	25
60	Primary Gastric T-cell Lymphomas: Report of Two Cases and a Review of the Literature. <i>Japanese Journal of Clinical Oncology</i> , 1999, 29, 171-178.	1.3	24
61	Dysregulation of c-Myb Pathway by Aberrant Expression of Proto-oncogene <i>MYB</i> Provides the Basis for Malignancy in Adult T-cell Leukemia/lymphoma Cells. <i>Clinical Cancer Research</i> , 2016, 22, 5915-5928.	7.0	24
62	CD30 Characterizes Polylobated Lymphocytes and Disease Progression in HTLV-1 Infected Individuals. <i>Clinical Cancer Research</i> , 2018, 24, 5445-5457.	7.0	24
63	The p53 activator overcomes resistance to ALK inhibitors by regulating p53-target selectivity in ALK-driven neuroblastomas. <i>Cell Death Discovery</i> , 2018, 4, 56.	4.7	23
64	Subtype Analysis of HTLV-1 in Patients with HTLV-1 Uveitis. <i>Japanese Journal of Cancer Research</i> , 1994, 85, 767-770.	1.7	22
65	TRAF activation of C/EBP β (NF-IL6) via p38 MAPK induces HIV-1 gene expression in monocytes/macrophages. <i>Microbes and Infection</i> , 2007, 9, 721-728.	1.9	22
66	I β independent induction of NF- κ B and its inhibition by DHMEQ in Hodgkin/Reed-Sternberg cells. <i>Laboratory Investigation</i> , 2007, 87, 372-382.	3.7	22
67	SMYD3 interacts with HTLV-1 Tax and regulates subcellular localization of Tax. <i>Cancer Science</i> , 2011, 102, 260-266.	3.9	22
68	Transient inhibition of NF- κ B by DHMEQ induces cell death of primary effusion lymphoma without HHV-8 reactivation. <i>Cancer Science</i> , 2009, 100, 737-746.	3.9	21
69	HTLV-1 Rex Tunes the Cellular Environment Favorable for Viral Replication. <i>Viruses</i> , 2016, 8, 58.	3.3	21
70	Induction of apoptosis in Epstein-Barr virus-infected B-lymphocytes by the NF- κ B inhibitor DHMEQ. <i>Microbes and Infection</i> , 2008, 10, 748-756.	1.9	20
71	Standardization of Quantitative PCR for Human T-Cell Leukemia Virus Type 1 in Japan: a Collaborative Study. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3485-3491.	3.9	20
72	The side population, as a precursor of Hodgkin and Reed-Sternberg cells and a target for nuclear factor- κ B inhibitors in Hodgkin's lymphoma. <i>Cancer Science</i> , 2010, 101, 2490-2496.	3.9	19

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73	CD4 ⁺ CADM1 ⁺ cell percentage predicts disease progression in HTLV-1 carriers and indolent adult T-cell leukemia/lymphoma. <i>Cancer Science</i> , 2019, 110, 3746-3753.	3.9	18
74	Hodgkin's lymphoma cells are efficiently engrafted and tumor marker CD30 is expressed with constitutive nuclear factor-kappaB activity in unconditioned NOD/SCID/gammacnull mice. <i>Cancer Science</i> , 2005, 96, 466-473.	3.9	17
75	Factors predisposing to HTLV-1 infection in residents of the greater Tokyo area. <i>International Journal of Hematology</i> , 2008, 88, 565-570.	1.6	17
76	Synovial sarcoma cell lines showed reduced DNA repair activity and sensitivity to a PARP inhibitor. <i>Genes To Cells</i> , 2016, 21, 852-860.	1.2	15
77	Epigenetic deregulation of <i>Ellis Van Creveld</i> confers robust Hedgehog signaling in adult T-cell leukemia. <i>Cancer Science</i> , 2014, 105, 1160-1169.	3.9	14
78	Coordinated loss of microRNA group causes defenseless signaling in malignant lymphoma. <i>Scientific Reports</i> , 2016, 5, 17868.	3.3	14
79	Molecular structure and function of CD4 on murine egg plasma membrane. <i>Zygote</i> , 1995, 3, 65-73.	1.1	13
80	Updates on HTLV-1 Uveitis. <i>Viruses</i> , 2022, 14, 794.	3.3	13
81	Mutational Intratumor Heterogeneity is a Complex and Early Event in the Development of Adult T-cell Leukemia/Lymphoma. <i>Neoplasia</i> , 2018, 20, 883-893.	5.3	12
82	RAISING is a high-performance method for identifying random transgene integration sites. <i>Communications Biology</i> , 2022, 5, .	4.4	12
83	Efficient inhibition of tumor angiogenesis and growth by a synthetic peptide blocking S100A4-methionine aminopeptidase 2 interaction. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 15008.	4.1	11
84	Transition of adult T-cell leukemia/lymphoma clones during clinical progression. <i>International Journal of Hematology</i> , 2016, 104, 330-337.	1.6	11
85	HTLV-1 uveitis and Graves' disease presenting with sudden onset of blurred vision. <i>Lancet, The</i> , 2022, 399, 60.	13.7	11
86	Blood Transfusion Induced Opportunistic Adult T Cell Leukaemia/Lymphoma after Hodgkin's Disease. <i>Leukemia and Lymphoma</i> , 1991, 5, 435-439.	1.3	10
87	Human T-cell lymphotropic virus type 1 can infect primary rat retinal glial cells and induce gene expression of inflammatory cytokines. <i>Current Eye Research</i> , 1997, 16, 782-791.	1.5	10
88	Multidisciplinary insight into clonal expansion of HTLV-1-infected cells in adult T-cell leukemia via modeling by deterministic finite automata coupled with high-throughput sequencing. <i>BMC Medical Genomics</i> , 2017, 10, 4.	1.5	10
89	A high-throughput detection method for the clonality of Human T-cell leukemia virus type-1-infected cells in vivo. <i>International Journal of Hematology</i> , 2020, 112, 300-306.	1.6	10
90	Cytogenetic study of a severe case of Pallister-Killian syndrome using fluorescence in situ hybridization. <i>Japanese Journal of Human Genetics</i> , 1994, 39, 259-267.	0.8	9

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91	Clinical significance of soluble CADM1 as a novel marker for adult T-cell leukemia/lymphoma. <i>Haematologica</i> , 2021, 106, 532-542.	3.5	9
92	Genome wide association study of HTLV-1-associated myelopathy/tropical spastic paraparesis in the Japanese population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
93	Plasma Soluble CD30 as a Possible Marker of Adult T-cell Leukemia in HTLV-1 Carriers: a Nested Case-Control Study. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 16, 8253-8258.	1.2	9
94	Clonal Selection and Evolution of HTLV-1-Infected Cells Driven by Genetic and Epigenetic Alteration. <i>Viruses</i> , 2022, 14, 587.	3.3	9
95	Development of reference material with assigned value for human T-cell leukemia virus type 1 quantitative PCR in Japan. <i>Microbiology and Immunology</i> , 2018, 62, 673-676.	1.4	8
96	Expression of latent membrane protein 1 in clinically isolated cases and animal models of AIDS-associated non-Hodgkin's lymphomas. <i>Pathology International</i> , 1996, 46, 568-574.	1.3	7
97	Inferring clonal structure in HTLV-1-infected individuals: towards bridging the gap between analysis and visualization. <i>Human Genomics</i> , 2017, 11, 15.	2.9	7
98	Germinal epimutation of Fragile Histidine Triad (FHIT) gene is associated with progression to acute and chronic adult T-cell leukemia diseases. <i>Molecular Cancer</i> , 2021, 20, 86.	19.2	7
99	Decreased MYC-associated factor X (MAX) expression is a new potential biomarker for adverse prognosis in anaplastic large cell lymphoma. <i>Scientific Reports</i> , 2020, 10, 10391.	3.3	6
100	Tackling HTLV-1 infection in ophthalmology: a nationwide survey of ophthalmic care in an endemic country, Japan. <i>British Journal of Ophthalmology</i> , 2020, 104, 1647-1651.	3.9	6
101	Exploring New Functional Aspects of HTLV-1 RNA-Binding Protein Rex: How Does Rex Control Viral Replication?. <i>Viruses</i> , 2022, 14, 407.	3.3	5
102	Elucidation of the Mechanism of Host NMD Suppression by HTLV-1 Rex: Dissection of Rex to Identify the NMD Inhibitory Domain. <i>Viruses</i> , 2022, 14, 344.	3.3	4
103	Malignant Lymphomas in Japanese AIDS Patients. <i>Pathology International</i> , 1991, 41, 744-750.	1.3	3
104	Production and characterization of a novel site-specific-modifiable anti-OX40-receptor single-chain variable fragment for targeted drug delivery. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 614-620.	2.1	3
105	Functional Analysis of Aberrantly Spliced Caspase8 Variants in Adult T-Cell Leukemia Cells. <i>Molecular Cancer Research</i> , 2019, 17, 2522-2536.	3.4	3
106	CD30 Induces Heat Shock Protein 90 and Signal Integration in Classic Hodgkin Lymphoma Cells. <i>American Journal of Pathology</i> , 2017, 187, 163-175.	3.8	2
107	Improvement of the understanding of blood donors with human T-cell leukaemia virus type 1 using a new information booklet. <i>Transfusion Medicine</i> , 2021, , .	1.1	2
108	Ligand-independent signaling by overexpressed CD30 drives NF- κ B activation in Hodgkin-Reed-Sternberg cells. , 0, .		2

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109	Expanding Spectrum of HTLV-1-Related Diseases: Implications in Understanding the Mechanisms of Viral Pathogenesis. <i>Internal Medicine</i> , 1996, 35, 677-678.	0.7	1
110	Transactivation of CCL20 Gene by CD30 in Hodgkin's Lymphoma.. <i>Blood</i> , 2006, 108, 2258-2258.	1.4	0
111	High-Resolution Analyses of Epigenetic Aberrations in Myelodysplastic Syndrome.. <i>Blood</i> , 2007, 110, 2425-2425.	1.4	0
112	Leukemogenesis and Molecular Characteristics of Tumor Cells. , 2017, , 83-100.		0