Yoko Aida

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanisms of pathogenesis induced by bovine leukemia virus as a model for human T-cell leukemia virus. Frontiers in Microbiology, 2013, 4, 328.	3.5	149
2	Epidemiology and genetic diversity of bovine leukemia virus. Virology Journal, 2017, 14, 209.	3.4	135
3	Structure, function and disease susceptibility of the bovine major histocompatibility complex. Animal Science Journal, 2006, 77, 138-150.	1.4	95
4	BLV-CoCoMo-qPCR: Quantitation of bovine leukemia virus proviral load using the CoCoMo algorithm. Retrovirology, 2010, 7, 91.	2.0	89
5	A new genotype of bovine leukemia virus in South America identified by NGS-based whole genome sequencing and molecular evolutionary genetic analysis. Retrovirology, 2016, 13, 4.	2.0	88
6	Novel Nuclear Import of Vpr Promoted by Importin α Is Crucial for Human Immunodeficiency Virus Type 1 Replication in Macrophages. Journal of Virology, 2007, 81, 5284-5293.	3.4	86
7	Risk factors associated with increased bovine leukemia virus proviral load in infected cattle in Japan from 2012 to 2014. Virus Research, 2015, 210, 283-290.	2.2	75
8	HIV-1 Vpr Induces Interferon-Stimulated Genes in Human Monocyte-Derived Macrophages. PLoS ONE, 2014, 9, e106418.	2.5	67
9	Discovery of novel antiviral agents directed against the influenza A virus nucleoprotein using photo-cross-linked chemical arrays. Biochemical and Biophysical Research Communications, 2010, 394, 721-727.	2.1	64
10	BLV-CoCoMo-qPCR: a useful tool for evaluating bovine leukemia virus infection status. BMC Veterinary Research, 2012, 8, 167.	1.9	64
11	Estimation of bovine leukemia virus (BLV) proviral load harbored by lymphocyte subpopulations in BLV-infected cattle at the subclinical stage of enzootic bovine leucosis using BLV-CoCoMo-qPCR. BMC Veterinary Research, 2013, 9, 95.	1.9	64
12	Importin-α Promotes Passage through the Nuclear Pore Complex of Human Immunodeficiency Virus Type 1 Vpr. Journal of Virology, 2005, 79, 3557-3564.	3.4	63
13	Identification of new cattle BoLA-DRB3 alleles by sequence-based typing. Immunogenetics, 2001, 53, 74-81.	2.4	61
14	Complete Bovine Leukemia Virus (BLV) Provirus Is Conserved in BLV-Infected Cattle throughout the Course of B-Cell Lymphosarcoma Development. Journal of Virology, 1998, 72, 7569-7576.	3.4	60
15	The HIV-1 Vpr displays strong anti-apoptotic activity. FEBS Letters, 1998, 432, 17-20.	2.8	59
16	Detection and molecular characterization of bovine leukemia virus in Philippine cattle. Archives of Virology, 2015, 160, 285-296.	2.1	59
17	SARS-CoV-2 Disinfection of Air and Surface Contamination by TiO2 Photocatalyst-Mediated Damage to Viral Morphology, RNA, and Protein. Viruses, 2021, 13, 942.	3.3	59
18	Two Putative α-Helical Domains of Human Immunodeficiency Virus Type 1 Vpr Mediate Nuclear Localization by at Least Two Mechanisms. Journal of Virology, 2000, 74, 7179-7186.	3.4	57

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19	UVC disinfects SARS-CoV-2 by induction of viral genome damage without apparent effects on viral morphology and proteins. Scientific Reports, 2021, 11, 13804.	3.3	53
20	Induction of Apoptosis by the Vpr Protein of Human Immunodeficiency Virus Type 1 Occurs Independently of G2 Arrest of the Cell Cycle. Virology, 2000, 276, 16-26.	2.4	51
21	BoLA-DRB3 Polymorphism is Associated with Differential Susceptibility to Bovine Leukemia Virus-Induced Lymphoma and Proviral Load. Viruses, 2020, 12, 352.	3.3	51
22	Detection of the BLV provirus from nasal secretion and saliva samples using BLV-CoCoMo-qPCR-2: Comparison with blood samples from the same cattle. Virus Research, 2015, 210, 248-254.	2.2	50
23	Bovine leukemia virus proviral load is more strongly associated with bovine major histocompatibility complex class II DRB3 polymorphism than with DQA1 polymorphism in Holstein cow in Japan. Retrovirology, 2019, 16, 14.	2.0	49
24	Genetic polymorphism of the swine major histocompatibility complex (SLA) class�I genes, SLA-1, -2 and -3. Immunogenetics, 2003, 55, 583-593.	2.4	48
25	The molecular epidemiological study of bovine leukemia virus infection in Myanmar cattle. Archives of Virology, 2017, 162, 425-437.	2.1	48
26	A Mutant Form of the Tax Protein of Bovine Leukemia Virus (BLV), with Enhanced Transactivation Activity, Increases Expression and Propagation of BLV In Vitro but Not In Vivo. Journal of Virology, 2003, 77, 1894-1903.	3.4	46
27	The diversity of bovine MHC class II DRB3 and DQA1 alleles in different herds of Japanese Black and Holstein cattle in Japan. Gene, 2011, 472, 42-49.	2.2	45
28	BLV-CoCoMo-qPCR-2: improvements to the BLV-CoCoMo-qPCR assay for bovine leukemia virus by reducing primer degeneracy and constructing an optimal standard curve. Archives of Virology, 2015, 160, 1325-1332.	2.1	44
29	Human immunodeficiency virus type 1 Vpr interacts with spliceosomal protein SAP145 to mediate cellular pre-mRNA splicing inhibition. Microbes and Infection, 2007, 9, 490-497.	1.9	43
30	Bovine Leukemia Virus Induces CD5- B Cell Lymphoma in Sheep Despite Temporarily Increasing CD5+ B Cells in Asymptomatic Stage. Virology, 1994, 202, 458-465.	2.4	42
31	A Carboxy-Terminally Truncated Form of the Human Immunodeficiency Virus Type 1 Vpr Protein Induces Apoptosis via G1 Cell Cycle Arrest. Journal of Virology, 2000, 74, 6058-6067.	3.4	41
32	The Influence of Ovine MHC Class II <i>DRB1</i> Alleles on Immune Response in Bovine Leukemia Virus Infection. Microbiology and Immunology, 2003, 47, 223-232.	1.4	41
33	Characterization of bovine MHC DRB3 diversity in Latin American Creole cattle breeds. Gene, 2013, 519, 150-158.	2.2	41
34	The Region between Amino Acids 245 and 265 of the Bovine Leukemia Virus (BLV) Tax Protein Restricts Transactivation Not Only via the BLV Enhancer but Also via Other Retrovirus Enhancers. Journal of Virology, 2000, 74, 10939-10949.	3.4	40
35	Transmission and Propagation in Cell Culture of Virus Produced by Cells Transfected with an Infectious Molecular Clone of Bovine Leukemia Virus. Virology, 1998, 245, 53-64.	2.4	39
36	T Cell Apoptosis Causes Peripheral T Cell Depletion in Mice Transgenic for the HIV-1 vpr Gene. Virology, 2001, 285, 181-192.	2.4	39

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37	Genetic diversity of BoLA-DRB3 in South American Zebu cattle populations. BMC Genetics, 2018, 19, 33.	2.7	38
38	The YXXL Sequences of a Transmembrane Protein of Bovine Leukemia Virus Are Required for Viral Entry and Incorporation of Viral Envelope Protein into Virions. Journal of Virology, 1999, 73, 1293-1301.	3.4	34
39	A Novel Antiviral Target Structure Involved in the RNA Binding, Dimerization, and Nuclear Export Functions of the Influenza A Virus Nucleoprotein. PLoS Pathogens, 2015, 11, e1005062.	4.7	34
40	Human Immunodeficiency Virus Type 1VprGene Product Prevents Cell Proliferation on Mouse NIH3T3 Cells without the G2Arrest of the Cell Cycle. Biochemical and Biophysical Research Communications, 1997, 232, 550-554.	2.1	31
41	A novel role for Vpr of human immunodeficiency virus type 1 as a regulator of the splicing of cellular pre-mRNA. Microbes and Infection, 2005, 7, 1150-1160.	1.9	31
42	Nuclear localization of Vpr is crucial for the efficient replication of HIV-1 in primary CD4+ T cells. Virology, 2004, 327, 249-261.	2.4	30
43	Identification of a novel Vpr-binding compound that inhibits HIV-1 multiplication in macrophages by chemical array. Biochemical and Biophysical Research Communications, 2010, 403, 40-45.	2.1	30
44	Visualizing bovine leukemia virus (BLV)-infected cells and measuring BLV proviral loads in the milk of BLV seropositive dams. Veterinary Research, 2019, 50, 102.	3.0	30
45	Identification of a novel compound with antiviral activity against influenza A virus depending on PA subunit of viral RNA polymerase. Microbes and Infection, 2012, 14, 740-747.	1.9	29
46	CAT1/SLC7A1 acts as a cellular receptor for bovine leukemia virus infection. FASEB Journal, 2019, 33, 14516-14527.	0.5	29
47	Function and Conformation of Wild-Type p53 Protein Are Influenced by Mutations in Bovine Leukemia Virus-Induced B-Cell Lymphosarcoma. Virology, 1998, 243, 235-246.	2.4	28
48	Human immunodeficiency virus type 1 Vpr induces cell cycle arrest at the G1 phase and apoptosis via disruption of mitochondrial function in rodent cells. Microbes and Infection, 2006, 8, 670-679.	1.9	28
49	Identification of bovine leukemia virus tax function associated with host cell transcription, signaling, stress response and immune response pathway by microarray-based gene expression analysis. BMC Genomics, 2012, 13, 121.	2.8	28
50	Development of a luminescence syncytium induction assay (LuSIA) for easily detecting and quantitatively measuring bovine leukemia virus infection. Archives of Virology, 2018, 163, 1519-1530.	2.1	28
51	Inhibition of human immunodeficiency virus type 1 (HIV-1) nuclear import via Vpr–Importin α interactions as a novel HIV-1 therapy. Biochemical and Biophysical Research Communications, 2009, 380, 838-843.	2.1	27
52	Novel CD8+ cytotoxic T cell epitopes in bovine leukemia virus with cattle. Vaccine, 2015, 33, 7194-7202.	3.8	25
53	A Carboxy-Terminally Truncated Form of the Vpr Protein of Human Immunodeficiency Virus Type 1 Retards Cell Proliferation Independently of G2 Arrest of the Cell Cycle. Virology, 1999, 263, 313-322.	2.4	24
54	Latency of Viral Expression In Vivo Is Not Related to CpG Methylation in the U3 Region and Part of the R Region of the Long Terminal Repeat of Bovine Leukemia Virus. Journal of Virology, 2003, 77, 4423-4430.	3.4	24

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55	Molecular Mechanism of HIV-1 Vpr for Binding to Importin-α. Journal of Molecular Biology, 2016, 428, 2744-2757.	4.2	24
56	Genome-wide transcriptional profiling reveals that HIV-1 Vpr differentially regulates interferon-stimulated genes in human monocyte-derived dendritic cells. Virus Research, 2015, 208, 156-163.	2.2	23
57	Single nucleotide polymorphisms in the bovine MHC region of Japanese Black cattle are associated with bovine leukemia virus proviral load. Retrovirology, 2017, 14, 24.	2.0	23
58	MHC class II DR classification based on antigen-binding groove natural selection. Biochemical and Biophysical Research Communications, 2009, 385, 137-142.	2.1	22
59	Mutant Tax Protein from Bovine Leukemia Virus with Enhanced Ability To Activate the Expression of c -fos. Journal of Virology, 2002, 76, 2557-2562.	3.4	21
60	Induction of expression of bovine leukemia virus (BLV) in blood taken from BLV-infected cows without removal of plasma. Microbes and Infection, 2005, 7, 1211-1216.	1.9	21
61	Variations in the viral genome and biological properties of bovine leukemia virus wild-type strains. Virus Research, 2018, 253, 103-111.	2.2	21
62	B-1a, B-1b and conventional B cell lymphoma from enzootic bovine leukosis. Veterinary Immunology and Immunopathology, 1996, 55, 63-72.	1.2	20
63	Identification and characterization of common B cell epitope in bovine leukemia virus via high-throughput peptide screening system in infected cattle. Retrovirology, 2015, 12, 106.	2.0	20
64	Crystal Structure of Human Importin-α1 (Rch1), Revealing a Potential Autoinhibition Mode Involving Homodimerization. PLoS ONE, 2015, 10, e0115995.	2.5	20
65	Association of Bovine Leukemia Virus-Induced Lymphoma with BoLA-DRB3 Polymorphisms at DNA, Amino Acid, and Binding Pocket Property Levels. Pathogens, 2021, 10, 437.	2.8	19
66	Nuclear Exportin Receptor CAS Regulates the NPI-1–Mediated Nuclear Import of HIV-1 Vpr. PLoS ONE, 2011, 6, e27815.	2.5	19
67	Visualizing Vpr-Induced C2 Arrest and Apoptosis. PLoS ONE, 2014, 9, e86840.	2.5	19
68	Establishment of B-cell lines from tumor of enzootic bovine leukosis. Leukemia Research, 1986, 10, 689-695.	0.8	18
69	Involvement of bovine leukemia virus in induction and inhibition of apoptosis. Microbes and Infection, 2005, 7, 19-28.	1.9	18
70	Role of Vpr in HIV-1 Nuclear Import: Therapeutic Implications. Current HIV Research, 2009, 7, 136-143.	0.5	18
71	The pH-Sensitive Fusogenic 3-Methyl-Glutarylated Hyperbranched Poly(Glycidol)-Conjugated Liposome Induces Antigen-Specific Cellular and Humoral Immunity. Vaccine Journal, 2012, 19, 1492-1498. 	3.1	18
72	NXT1, a Novel Influenza A NP Binding Protein, Promotes the Nuclear Export of NP via a CRM1-Dependent Pathway. Viruses, 2016, 8, 209.	3.3	18

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73	Intrinsically disordered region of influenza A NP regulates viral genome packaging via interactions with viral RNA and host PI(4,5)P 2. Virology, 2016, 496, 116-126.	2.4	18
74	A sensitive luminescence syncytium induction assay (LuSIA) based on a reporter plasmid containing a mutation in the glucocorticoid response element in the long terminal repeat U3 region of bovine leukemia virus. Virology Journal, 2019, 16, 66.	3.4	18
75	Inhibition of CRM1-mediated nuclear export of influenza A nucleoprotein and nuclear export protein as a novel target for antiviral drug development. Virology, 2017, 507, 32-39.	2.4	17
76	Breeding bulls as a potential source of bovine leukemia virus transmission in beef herds. Journal of the American Veterinary Medical Association, 2019, 254, 1335-1340.	0.5	17
77	Detection and Molecular Characterization of Bovine Leukemia Virus in Egyptian Dairy Cattle. Frontiers in Veterinary Science, 2020, 7, 608.	2.2	16
78	Ex vivo survival of peripheral blood mononuclear cells in sheep induced by bovine leukemia virus (BLV) mainly occurs in CD5–ÂB cells that express BLV. Microbes and Infection, 2004, 6, 584-595.	1.9	15
79	The human immunodeficiency virus type 1 Vpr protein and its carboxy-terminally truncated form induce apoptosis in tumor cells. Cancer Cell International, 2009, 9, 20.	4.1	15
80	New evidence of bovine leukemia virus circulating in Myanmar cattle through epidemiological and molecular characterization. PLoS ONE, 2020, 15, e0229126.	2.5	15
81	Comparative Analysis of Seven Viral Nuclear Export Signals (NESs) Reveals the Crucial Role of Nuclear Export Mediated by the Third NES Consensus Sequence of Nucleoprotein (NP) in Influenza A Virus Replication. PLoS ONE, 2014, 9, e105081.	2.5	15
82	Identification of a novel multiple kinase inhibitor with potent antiviral activity against influenza virus by reducing viral polymerase activity. Biochemical and Biophysical Research Communications, 2014, 450, 49-54.	2.1	14
83	Risk Assessment of Bovine Major Histocompatibility Complex Class II DRB3 Alleles for Perinatal Transmission of Bovine Leukemia Virus. Pathogens, 2021, 10, 502.	2.8	14
84	HIV-1 Vpr: A Novel Role in Regulating RNA Splicing. Current HIV Research, 2009, 7, 163-168.	0.5	13
85	Importin α3/Qip1 Is Involved in Multiplication of Mutant Influenza Virus with Alanine Mutation at Amino Acid 9 Independently of Nuclear Transport Function. PLoS ONE, 2013, 8, e55765.	2.5	13
86	Characterization of bovine MHC DRB3 diversity in global cattle breeds, with a focus on cattle in Myanmar. BMC Genetics, 2020, 21, 95.	2.7	13
87	Kinetic Study of BLV Infectivity in BLV Susceptible and Resistant Cattle in Japan from 2017 to 2019. Pathogens, 2021, 10, 1281.	2.8	13
88	BoLA-DRB3 Polymorphism Controls Proviral Load and Infectivity of Bovine Leukemia Virus (BLV) in Milk. Pathogens, 2022, 11, 210.	2.8	13
89	Development of a direct blood-based PCR system to detect BLV provirus using CoCoMo primers. Archives of Virology, 2016, 161, 1539-1546.	2.1	12
90	An estrogen antagonist, cyclofenil, has anti-dengue-virus activity. Archives of Virology, 2019, 164, 225-234.	2.1	11

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91	PRMT5 Is Required for Bovine Leukemia Virus Infection In Vivo and Regulates BLV Gene Expression, Syncytium Formation, and Glycosylation In Vitro. Viruses, 2020, 12, 650.	3.3	11
92	pH-sensitive carbonate apatite nanoparticles as DNA vaccine carriers enhance humoral and cellular immunity. Vaccine, 2014, 32, 6199-6205.	3.8	10
93	Development of a new recombinant p24 ELISA system for diagnosis of bovine leukemia virus in serum and milk. Archives of Virology, 2019, 164, 201-211.	2.1	10
94	Bovine major histocompatibility complex (<scp>BoLA</scp>) heterozygote advantage against the outcome of bovine leukemia virus infection. Hla, 2021, 98, 132-139.	0.6	10
95	Protein Arginine N-methyltransferases 5 and 7 Promote HIV-1 Production. Viruses, 2020, 12, 355.	3.3	9
96	Positively charged cholesterol–recombinant human gelatins foster the cellular uptake of proteins and murine immune reactions. International Journal of Nanomedicine, 2012, 7, 5437.	6.7	8
97	Bovine Leukemia Virus Infection Affects Host Gene Expression Associated with DNA Mismatch Repair. Pathogens, 2020, 9, 909.	2.8	8
98	Induction of antigen-specific immunity by pH-sensitive carbonate apatite as a potent vaccine carrier. Biochemical and Biophysical Research Communications, 2011, 415, 597-601.	2.1	7
99	A high-throughput screening system targeting the nuclear export pathway via the third nuclear export signal of influenza A virus nucleoprotein. Virus Research, 2016, 217, 23-31.	2.2	7
100	Distinct MCM10 Proteasomal Degradation Profiles by Primate Lentiviruses Vpr Proteins. Viruses, 2020, 12, 98.	3.3	7
101	Identification of human immunodeficiency virus type-1 Gag-TSG101 interaction inhibitors by high-throughput screening. Biochemical and Biophysical Research Communications, 2018, 503, 2970-2976.	2.1	6
102	Absence of bovine leukemia virus proviral DNA in Japanese human blood cell lines and human cancer cell lines. Archives of Virology, 2020, 165, 207-214.	2.1	6
103	BoLAâ€ÐRB3 genetic diversity in Highland Creole cattle from Bolivia. Hla, 2020, 96, 688-696.	0.6	6
104	Broadly applicable PCR restriction fragment length polymorphism method for genotyping bovine leukemia virus. Journal of Veterinary Medical Science, 2019, 81, 1157-1161.	0.9	5
105	Three YXXL Sequences of a Bovine Leukemia Virus Transmembrane Protein are Independently Required for Fusion Activity by Controlling Expression on the Cell Membrane. Viruses, 2019, 11, 1140.	3.3	5
106	Overexpression of bovine leukemia virus receptor SLC7A1/CAT1 enhances cellular susceptibility to BLV infection on luminescence syncytium induction assay (LuSIA). Virology Journal, 2020, 17, 57.	3.4	5
107	Synthesis of a Vpr-Binding Derivative for Use as a Novel HIV-1 Inhibitor. PLoS ONE, 2015, 10, e0145573.	2.5	5
108	No evidence of bovine leukemia virus proviral DNA and antibodies in human specimens from Japan. Retrovirology, 2022, 19, 7.	2.0	5

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109	Mapping of CD4+ T-cell epitopes in bovine leukemia virus from five cattle with differential susceptibilities to bovine leukemia virus disease progression. Virology Journal, 2019, 16, 157.	3.4	4
110	Detection and molecular characterization of bovine leukemia virus in beef cattle presented for slaughter in Egypt. Journal of Veterinary Medical Science, 2020, 82, 1676-1684.	0.9	4
111	Comprehensive Comparison of Novel Bovine Leukemia Virus (BLV) Integration Sites between B-Cell Lymphoma Lines BLSC-KU1 and BLSC-KU17 Using the Viral DNA Capture High-Throughput Sequencing Method. Viruses, 2022, 14, 995.	3.3	4
112	A novel real time PCR assay for bovine leukemia virus detection using mixed probes and degenerate primers targeting novel BLV strains. Journal of Virological Methods, 2021, 297, 114264.	2.1	3
113	HIV-1 Vpr Abrogates the Effect of TSG101 Overexpression to Support Virus Release. PLoS ONE, 2016, 11, e0163100.	2.5	3
114	Huntingtin-Interacting Protein 1 Promotes Vpr-Induced G2 Arrest and HIV-1 Infection in Macrophages. Viruses, 2021, 13, 2308.	3.3	3
115	Association between <scp><i>BoLAâ€DRB3</i></scp> polymorphism and bovine leukemia virus proviral load in Vietnamese Holstein Friesian cattle. Hla, 2022, 99, 105-112.	0.6	3
116	A Case of Enzootic Bovine Leukosis in a Five-month-old Calf. Nippon Juishikai Zasshi Journal of the Japan Veterinary Medical Association, 2019, 72, 608-613.	0.1	1
117	A Novel Class of HIV-1 Inhibitors Targeting the Vpr-Induced G2-Arrest in Macrophages by New Yeast- and Cell-Based High-Throughput Screening. Viruses, 2022, 14, 1321.	3.3	1
118	Discovery of a Small Molecule Inhibitor of the Interaction Between HIV-1 Proteins and Cellular Cofactors: A Novel Candidate Anti-HIV-1 Drug. Current Chemical Biology, 2010, 4, 188-199.	0.5	0
119	Genetic diversity of bovine leukemia virus worldwide. Journal of Animal Genetics, 2017, 45, 59-70.	1.0	0
120	A Case Study for the Eradication of Bovine Leukemia Virus in a Highly Infected Dairy Farm in Tochigi Prefecture. Nippon Juishikai Zasshi Journal of the Japan Veterinary Medical Association, 2022, 75, e114-e121.	0.1	0