# Keizo Tomonaga

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 88 papers | 2,557 citations | 25 h-index | 49 g-index |
| 105 ext. papers | 3,291 ext. citations | 5.8 avg, IF | 4.76 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 88 | Taxonomy of the order Mononegavirales: update 2016. *Archives of Virology*, **2016**, 161, 2351-60 | 2.6 | 324 |
| 87 | Endogenous non-retroviral RNA virus elements in mammalian genomes. *Nature*, **2010**, 463, 84-7 | 50.4 | 319 |
| 86 | Taxonomy of the order Mononegavirales: update 2017. *Archives of Virology*, **2017**, 162, 2493-2504 | 2.6 | 137 |
| 85 | Taxonomy of the order Mononegavirales: update 2019. *Archives of Virology*, **2019**, 164, 1967-1980 | 2.6 | 133 |
| 84 | Taxonomy of the order Mononegavirales: update 2018. *Archives of Virology*, **2018**, 163, 2283-2294 | 2.6 | 111 |
| 83 | Isolation of Borna disease virus from human brain tissue. *Journal of Virology*, **2000**, 74, 4601-11 | 6.6 | 102 |
| 82 | Molecular and cellular biology of Borna disease virus infection. *Microbes and Infection*, **2002**, 4, 491-500 | 9.3 | 92 |
| 81 | Inhibition of Borna disease virus replication by an endogenous bornavirus-like element in the ground squirrel genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13175-80 | 11.5 | 89 |
| 80 | Taxonomic reorganization of the family Bornaviridae. *Archives of Virology*, **2015**, 160, 621-32 | 2.6 | 71 |
| 79 | Bornavirus closely associates and segregates with host chromosomes to ensure persistent intranuclear infection. *Cell Host and Microbe*, **2012**, 11, 492-503 | 23.4 | 65 |
| 78 | Taxonomy of the order Mononegavirales: second update 2018. *Archives of Virology*, **2019**, 164, 1233-1244 | 2.6 | 50 |
| 77 | Comprehensive analysis of endogenous bornavirus-like elements in eukaryote genomes. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120499 | 5.8 | 50 |
| 76 | Molecular chaperone BiP interacts with Borna disease virus glycoprotein at the cell surface. *Journal of Virology*, **2009**, 83, 12622-5 | 6.6 | 48 |
| 75 | piRNAs derived from ancient viral processed pseudogenes as transgenerational sequence-specific immune memory in mammals. *Rna*, **2015**, 21, 1691-703 | 5.8 | 47 |
| 74 | Endogenous non-retroviral RNA virus elements evidence a novel type of antiviral immunity. *Mobile Genetic Elements*, **2016**, 6, e1165785 | | 40 |
| 73 | Borna disease virus nucleoprotein requires both nuclear localization and export activities for viral nucleocytoplasmic shuttling. *Journal of Virology*, **2001**, 75, 3404-12 | 6.6 | 40 |
| 72 | Non-retroviral fossils in vertebrate genomes. *Viruses*, **2011**, 3, 1836-48 | 6.2 | 36 |

| | | | |
|---|---|---|---|
| 71 | Autogenous translational regulation of the Borna disease virus negative control factor X from polycistronic mRNA using host RNA helicases. *PLoS Pathogens*, **2009**, 5, e1000654 | 7.6 | 35 |
| 70 | Influenza A Virus-Induced Expression of a GalNAc Transferase, GALNT3, via MicroRNAs Is Required for Enhanced Viral Replication. *Journal of Virology*, **2016**, 90, 1788-801 | 6.6 | 34 |
| 69 | Molecular ratio between borna disease viral-p40 and -p24 proteins in infected cells determined by quantitative antigen capture ELISA. *Microbiology and Immunology*, **2000**, 44, 765-72 | 2.7 | 34 |
| 68 | Development of a novel Borna disease virus reverse genetics system using RNA polymerase II promoter and SV40 nuclear import signal. *Microbes and Infection*, **2006**, 8, 1522-9 | 9.3 | 32 |
| 67 | Virus-induced neurobehavioral disorders: mechanisms and implications. *Trends in Molecular Medicine*, **2004**, 10, 71-7 | 11.5 | 32 |
| 66 | A novel borna disease virus vector system that stably expresses foreign proteins from an intercistronic noncoding region. *Journal of Virology*, **2011**, 85, 12170-8 | 6.6 | 30 |
| 65 | Regnase-1 and Roquin Nonredundantly Regulate Th1 Differentiation Causing Cardiac Inflammation and Fibrosis. *Journal of Immunology*, **2017**, 199, 4066-4077 | 5.3 | 28 |
| 64 | Transcription Profiling Demonstrates Epigenetic Control of Non-retroviral RNA Virus-Derived Elements in the Human Genome. *Cell Reports*, **2015**, 12, 1548-54 | 10.6 | 25 |
| 63 | Nucleocytoplasmic shuttling of viral proteins in borna disease virus infection. *Viruses*, **2013**, 5, 1978-90 | 6.2 | 24 |
| 62 | Borna disease virus matrix protein is an integral component of the viral ribonucleoprotein complex that does not interfere with polymerase activity. *Journal of Virology*, **2007**, 81, 743-9 | 6.6 | 24 |
| 61 | Heat shock cognate protein 70 controls Borna disease virus replication via interaction with the viral non-structural protein X. *Microbes and Infection*, **2009**, 11, 394-402 | 9.3 | 22 |
| 60 | Modulation of Borna disease virus phosphoprotein nuclear localization by the viral protein X encoded in the overlapping open reading frame. *Journal of Virology*, **2003**, 77, 8099-107 | 6.6 | 22 |
| 59 | An RNA-dependent RNA polymerase gene in bat genomes derived from an ancient negative-strand RNA virus. *Scientific Reports*, **2016**, 6, 25873 | 4.9 | 22 |
| 58 | A methionine-rich domain mediates CRM1-dependent nuclear export activity of Borna disease virus phosphoprotein. *Journal of Virology*, **2006**, 80, 1121-9 | 6.6 | 21 |
| 57 | Translation initiation of a bicistronic mRNA of Borna disease virus: a 16-kDa phosphoprotein is initiated at an internal start codon. *Virology*, **2000**, 277, 296-305 | 3.6 | 21 |
| 56 | Antiviral activity of favipiravir (T-705) against mammalian and avian bornaviruses. *Antiviral Research* , **2017**, 143, 237-245 | 10.8 | 19 |
| 55 | Long-term expression of miRNA for RNA interference using a novel vector system based on a negative-strand RNA virus. *Scientific Reports*, **2016**, 6, 26154 | 4.9 | 19 |
| 54 | Detection of Avian bornavirus 5 RNA in Eclectus roratus with feather picking disorder. *Microbiology and Immunology*, **2012**, 56, 346-9 | 2.7 | 17 |

| | | | |
|---|---|---|---|
| 53 | Generation of a non-transmissive Borna disease virus vector lacking both matrix and glycoprotein genes. *Microbiology and Immunology*, **2017**, 61, 380-386 | 2.7 | 13 |
| 52 | No evidence for natural selection on endogenous borna-like nucleoprotein elements after the divergence of Old World and New World monkeys. *PLoS ONE*, **2011**, 6, e24403 | 3.7 | 13 |
| 51 | Endogenized viral sequences in mammals. *Current Opinion in Microbiology*, **2016**, 31, 176-183 | 7.9 | 13 |
| 50 | Paleovirology of bornaviruses: What can be learned from molecular fossils of bornaviruses. *Virus Research*, **2019**, 262, 2-9 | 6.4 | 13 |
| 49 | Evolutionarily conserved interaction between the phosphoproteins and X proteins of bornaviruses from different vertebrate species. *PLoS ONE*, **2012**, 7, e51161 | 3.7 | 12 |
| 48 | Borna Disease Virus Assembles Porous Cage-like Viral Factories in the Nucleus. *Journal of Biological Chemistry*, **2016**, 291, 25789-25798 | 5.4 | 11 |
| 47 | Borna disease virus possesses an NF-B inhibitory sequence in the nucleoprotein gene. *Scientific Reports*, **2015**, 5, 8696 | 4.9 | 11 |
| 46 | IFN-nducing, unusual viral RNA species produced by paramyxovirus infection accumulated into distinct cytoplasmic structures in an RNA-type-dependent manner. *Frontiers in Microbiology*, **2015**, 6, 804 | 5.7 | 11 |
| 45 | Identification of novel avian and mammalian deltaviruses provides new insights into deltavirus evolution. *Virus Evolution*, **2021**, 7, veab003 | 3.7 | 11 |
| 44 | Molecular epidemiology of avian bornavirus from pet birds in Japan. *Virus Genes*, **2013**, 47, 173-7 | 2.3 | 10 |
| 43 | 2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. *Archives of Virology*, **2021**, 166, 3513-3566 | 2.6 | 10 |
| 42 | RNA Virus-Based Episomal Vector with a Fail-Safe Switch Facilitating Efficient Genetic Modification and Differentiation of iPSCs. *Molecular Therapy - Methods and Clinical Development*, **2019**, 14, 47-55 | 6.4 | 9 |
| 41 | Heat stress is a potent stimulus for enhancing rescue efficiency of recombinant Borna disease virus. *Microbiology and Immunology*, **2014**, 58, 636-42 | 2.7 | 9 |
| 40 | 100-My history of bornavirus infections hidden in vertebrate genomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 8 |
| 39 | ADAR2 Is Involved in Self and Nonself Recognition of Borna Disease Virus Genomic RNA in the Nucleus. *Journal of Virology*, **2020**, 94, | 6.6 | 7 |
| 38 | Linkage between the leader sequence and leader RNA production in Borna disease virus-infected cells. *Virology*, **2017**, 510, 104-110 | 3.6 | 6 |
| 37 | X-linked RNA-binding motif protein (RBMX) is required for the maintenance of Borna disease virus nuclear viral factories. *Journal of General Virology*, **2015**, 96, 3198-3203 | 4.9 | 6 |
| 36 | Degradation of amyloid peptide by neprilysin expressed from Borna disease virus vector. *Microbiology and Immunology*, **2018**, 62, 467 | 2.7 | 6 |

| | | | |
|---|---|---|---|
| 35 | A Viral (Arc)hive for Metazoan Memory. *Cell*, **2018**, 172, 8-10 | 56.2 | 5 |
| 34 | Prevalence of antibodies against Borna disease virus proteins in Japanese children with autism spectrum disorder. *Microbiology and Immunology*, **2018**, 62, 473 | 2.7 | 5 |
| 33 | Systematic estimation of insertion dates of endogenous bornavirus-like elements in vesper bats. *Journal of Veterinary Medical Science*, **2018**, 80, 1356-1363 | 1.1 | 5 |
| 32 | Parrot bornavirus-2 and -4 RNA detected in wild bird samples in Japan are phylogenetically adjacent to those found in pet birds in Japan. *Virus Genes*, **2015**, 51, 234-43 | 2.3 | 4 |
| 31 | Isolation of avian bornaviruses from psittacine birds using QT6 quail cells in Japan. *Journal of Veterinary Medical Science*, **2016**, 78, 305-8 | 1.1 | 4 |
| 30 | Analysis of intracellular distribution of Borna disease virus glycoprotein fused with fluorescent markers in living cells. *Journal of Veterinary Medical Science*, **2011**, 73, 1243-7 | 1.1 | 4 |
| 29 | Antibodies to Borna disease virus in infected adult rats: an early appearance of anti-p10 antibody and recognition of novel virus-specific proteins in infected animal brain cells. *Journal of Veterinary Medical Science*, **2000**, 62, 775-8 | 1.1 | 4 |
| 28 | Borna Disease Virus Molecular Virology23-43 | | 4 |
| 27 | Characterization of an active LINE-1 in the naked mole-rat genome. *Scientific Reports*, **2021**, 11, 5725 | 4.9 | 4 |
| 26 | Identification of a reptile lyssavirus in Anolis allogus provided novel insights into lyssavirus evolution. *Virus Genes*, **2021**, 57, 40-49 | 2.3 | 4 |
| 25 | Virus-like insertions with sequence signatures similar to those of endogenous nonretroviral RNA viruses in the human genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 4 |
| 24 | In vivo biodistribution analysis of transmission competent and defective RNA virus-based episomal vector. *Scientific Reports*, **2020**, 10, 5890 | 4.9 | 3 |
| 23 | Differential roles of two DDX17 isoforms in the formation of membraneless organelles. *Journal of Biochemistry*, **2020**, 168, 33-40 | 3.1 | 3 |
| 22 | Dual function of the nuclear export signal of the Borna disease virus nucleoprotein in nuclear export activity and binding to viral phosphoprotein. *Virology Journal*, **2017**, 14, 126 | 6.1 | 3 |
| 21 | Isolation of Borna Disease Virus from Human Brain Tissue. *Journal of Virology*, **2000**, 74, 4601-4611 | 6.6 | 3 |
| 20 | Borna disease virus phosphoprotein triggers the organization of viral inclusion bodies by liquid-liquid phase separation. *International Journal of Biological Macromolecules*, **2021**, 192, 55-63 | 7.9 | 3 |
| 19 | Sequence determination of a new parrot bornavirus-5 strain in Japan: implications of clade-specific sequence diversity in the regions interacting with host factors. *Microbiology and Immunology*, **2016**, 60, 437-41 | 2.7 | 3 |
| 18 | Splicing-Dependent Subcellular Targeting of Borna Disease Virus Nucleoprotein Isoforms. *Journal of Virology*, **2019**, 93, | 6.6 | 3 |

| | | | |
|---|---|---|---|
| 17 | BUD23-TRMT112 interacts with the L protein of Borna disease virus and mediates the chromosomal tethering of viral ribonucleoproteins. *Microbiology and Immunology*, **2021**, 65, 492-504 | 2.7 | 3 |
| 16 | Reverse genetics approaches of Borna disease virus: applications in development of viral vectors and preventive vaccines. *Current Opinion in Virology*, **2020**, 44, 42-48 | 7.5 | 2 |
| 15 | Detection of Antibodies against Borna Disease Virus Proteins in an Autistic Child and Her Mother. *Japanese Journal of Infectious Diseases*, **2017**, 70, 599 | 2.7 | 2 |
| 14 | Living fossil or evolving virus?. *EMBO Reports*, **2010**, 11, 327 | 6.5 | 2 |
| 13 | Modeling Borna Disease Virus Spread Reveals the Mode of Antiviral Effect Conferred by an Endogenous Bornavirus-Like Element. *Journal of Virology*, **2020**, 94, | 6.6 | 2 |
| 12 | Radioligand Assay-Based Detection of Antibodies against SARS-CoV-2 in Hospital Workers Treating Patients with Severe COVID-19 in Japan. *Viruses*, **2021**, 13, | 6.2 | 2 |
| 11 | Two Neuropsychiatric Cases Seropositive for Bornavirus Improved by Ribavirin. *Japanese Journal of Infectious Diseases*, **2018**, 71, 338-342 | 2.7 | 2 |
| 10 | ICTV Virus Taxonomy Profile:. *Journal of General Virology*, **2021**, 102, | 4.9 | 2 |
| 9 | Hidden Viral Sequences in Public Sequencing Data and Warning for Future Emerging Diseases. *MBio* , **2021**, 12, e0163821 | 7.8 | 2 |
| 8 | A comprehensive profiling of innate immune responses in Eptesicus bat cells. *Microbiology and Immunology*, **2021**, | 2.7 | 1 |
| 7 | Intracellular dynamics of actin affects Borna disease virus replication in the nucleus. *Virus Research*, **2019**, 263, 179-183 | 6.4 | 1 |
| 6 | Optimal Expression of the Envelope Glycoprotein of Orthobornaviruses Determines the Production of Mature Virus Particles. *Journal of Virology*, **2020**, | 6.6 | 1 |
| 5 | A Human Endogenous Bornavirus-Like Nucleoprotein Encodes a Mitochondrial Protein Associated with Cell Viability. *Journal of Virology*, **2021**, 95, e0203020 | 6.6 | 0 |
| 4 | Development of a reverse transcription-loop-mediated isothermal amplification assay for the detection of parrot bornavirus 4. *Journal of Virological Methods*, **2020**, 275, 113749 | 2.6 | 0 |
| 3 | The Borna Disease Virus 2 (BoDV-2) Nucleoprotein Is a Conspecific Protein That Enhances BoDV-1 RNA-Dependent RNA Polymerase Activity. *Journal of Virology*, **2021**, 95, e0093621 | 6.6 | 0 |
| 2 | Borna Disease Virus: Spanning a Century of Science1-21 | | |
| 1 | Production of high-titer transmission-defective RNA virus-based episomal vector using tangential flow filtration. *Microbiology and Immunology*, **2020**, 64, 602-609 | 2.7 | |