

# Akihide Ryo

## List of Publications by Year in descending order

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91  
papers

5,410  
citations

172457

29  
h-index

88630

70  
g-index

93  
all docs

93  
docs citations

93  
times ranked

8385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpreting Diagnostic Tests for SARS-CoV-2. JAMA - Journal of the American Medical Association, 2020, 323, 2249.	7.4	1,276
2	Regulation of NF- $\kappa$ B Signaling by Pin1-Dependent Prolyl Isomerization and Ubiquitin-Mediated Proteolysis of p65/RelA. Molecular Cell, 2003, 12, 1413-1426.	9.7	611
3	Pin1 regulates turnover and subcellular localization of $\beta$ -catenin by inhibiting its interaction with APC. Nature Cell Biology, 2001, 3, 793-801.	10.3	447
4	Loss of Pin1 function in the mouse causes phenotypes resembling cyclin D1-null phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1335-1340.	7.1	317
5	Potent antiviral effect of silver nanoparticles on SARS-CoV-2. Biochemical and Biophysical Research Communications, 2020, 533, 195-200.	2.1	301
6	PIN1 Is an E2F Target Gene Essential for Neu / Ras -Induced Transformation of Mammary Epithelial Cells. Molecular and Cellular Biology, 2002, 22, 5281-5295.	2.3	250
7	Prolyl isomerase Pin1: a catalyst for oncogenesis and a potential therapeutic target in cancer. Journal of Cell Science, 2003, 116, 773-783.	2.0	173
8	Stable Suppression of Tumorigenicity by Pin1-Targeted RNA Interference in Prostate Cancer. Clinical Cancer Research, 2005, 11, 7523-7531.	7.0	107
9	Pin1 Promotes Transforming Growth Factor- $\beta$ -induced Migration and Invasion. Journal of Biological Chemistry, 2010, 285, 1754-1764.	3.4	86
10	BCA2/Rabring7 Promotes Tetherin-Dependent HIV-1 Restriction. PLoS Pathogens, 2009, 5, e1000700.	4.7	84
11	Prolyl-isomerase Pin1 Accumulates in Lewy Bodies of Parkinson Disease and Facilitates Formation of $\alpha$ -Synuclein Inclusions. Journal of Biological Chemistry, 2006, 281, 4117-4125.	3.4	75
12	SOCS1 is an inducible host factor during HIV-1 infection and regulates the intracellular trafficking and stability of HIV-1 Gag. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 294-299.	7.1	72
13	A Suppressive Role of the Prolyl Isomerase Pin1 in Cellular Apoptosis Mediated by the Death-associated Protein Daxx. Journal of Biological Chemistry, 2007, 282, 36671-36681.	3.4	58
14	Molecular evolution of human respiratory syncytial virus attachment glycoprotein (G) gene of new genotype ON1 and ancestor NA1. Infection, Genetics and Evolution, 2014, 28, 183-191.	2.3	58
15	Induced cancer stem-like cells as a model for biological screening and discovery of agents targeting phenotypic traits of cancer stem cell. Oncotarget, 2014, 5, 8665-8680.	1.8	51
16	A Distinct Role for Pin1 in the Induction and Maintenance of Pluripotency. Journal of Biological Chemistry, 2011, 286, 11593-11603.	3.4	49
17	Establishment of a robust dengue virus NS3-NS5 binding assay for identification of protein-protein interaction inhibitors. Antiviral Research, 2012, 96, 305-314.	4.1	45
18	Whole Nucleocapsid Protein of Severe Acute Respiratory Syndrome Coronavirus 2 May Cause False-Positive Results in Serological Assays. Clinical Infectious Diseases, 2021, 72, 1291-1292.	5.8	45

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19	Serial analysis of gene expression in HIV-1-infected T cell lines. <i>FEBS Letters</i> , 1999, 462, 182-186.	2.8	42
20	Pin1 Catalyzes Conformational Changes of Thr-187 in p27Kip1 and Mediates Its Stability through a Polyubiquitination Process. <i>Journal of Biological Chemistry</i> , 2009, 284, 23980-23988.	3.4	42
21	Identification and Characterization of Differentially Expressed mRNAs in HIV Type 1-Infected Human T Cells. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 995-1005.	1.1	41
22	Molecular epidemiological study of human rhinovirus species A, B and C from patients with acute respiratory illnesses in Japan. <i>Journal of Medical Microbiology</i> , 2012, 61, 410-419.	1.8	41
23	Pin1 Interacts with the Epstein-Barr Virus DNA Polymerase Catalytic Subunit and Regulates Viral DNA Replication. <i>Journal of Virology</i> , 2013, 87, 2120-2127.	3.4	39
24	Identification of serum prognostic biomarkers of severe COVID-19 using a quantitative proteomic approach. <i>Scientific Reports</i> , 2021, 11, 20638.	3.3	39
25	Molecular evolution of haemagglutinin (H) gene in measles virus. <i>Scientific Reports</i> , 2015, 5, 11648.	3.3	35
26	Molecular dissection of HBV evasion from restriction factor tetherin: A new perspective for antiviral cell therapy. <i>Oncotarget</i> , 2015, 6, 21840-21852.	1.8	35
27	Molecular evolution of attachment glycoprotein (G) gene in human respiratory syncytial virus detected in Japan 2008–2011. <i>Infection, Genetics and Evolution</i> , 2013, 18, 168-173.	2.3	33
28	Highly specific monoclonal antibodies and epitope identification against SARS-CoV-2 nucleocapsid protein for antigen detection tests. <i>Cell Reports Medicine</i> , 2021, 2, 100311.	6.5	33
29	The phosphorylation of HIV-1 Gag by atypical protein kinase C facilitates viral infectivity by promoting Vpr incorporation into virions. <i>Retrovirology</i> , 2014, 11, 9.	2.0	32
30	ASK1 restores the antiviral activity of APOBEC3G by disrupting HIV-1 Vif-mediated counteraction. <i>Nature Communications</i> , 2015, 6, 6945.	12.8	32
31	Development of Monoclonal Antibody and Diagnostic Test for Middle East Respiratory Syndrome Coronavirus Using Cell-Free Synthesized Nucleocapsid Antigen. <i>Frontiers in Microbiology</i> , 2016, 7, 509.	3.5	32
32	The prolyl isomerase Pin1 stabilizes the human T-cell leukemia virus type 1 (HTLV-1) Tax oncoprotein and promotes malignant transformation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 294-299.	2.1	31
33	Galectin-9 restricts hepatitis B virus replication via p62/SQSTM1-mediated selective autophagy of viral core proteins. <i>Nature Communications</i> , 2022, 13, 531.	12.8	31
34	Molecular Evolution of the RNA-Dependent RNA Polymerase and Capsid Genes of Human Norovirus Genotype GII.2 in Japan during 2004–2015. <i>Frontiers in Microbiology</i> , 2017, 8, 705.	3.5	28
35	A new strategy to identify hepatitis B virus entry inhibitors by AlphaScreen technology targeting the envelope-receptor interaction. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 374-379.	2.1	28
36	Proteomic Analysis of Proteins Related to Prognosis of Lung Adenocarcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4686-4694.	3.7	27

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37	PI3K/AKT/mTOR Pathway Alterations Promote Malignant Progression and Xenograft Formation in Oligodendroglial Tumors. <i>Clinical Cancer Research</i> , 2019, 25, 4375-4387.	7.0	26
38	Vaccine-induced humoral response against SARS-CoV-2 dramatically declined but cellular immunity possibly remained at 6 months post BNT162b2 vaccination. <i>Vaccine</i> , 2022, 40, 2652-2655.	3.8	26
39	PIM kinases facilitate lentiviral evasion from SAMHD1 restriction via Vpx phosphorylation. <i>Nature Communications</i> , 2019, 10, 1844.	12.8	22
40	Rapid quantitative screening assay for SARS-CoV-2 neutralizing antibodies using HiBiT-tagged virus-like particles. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 987-990.	3.3	22
41	Molecular evolution of the fusion protein gene in human respiratory syncytial virus subgroup A. <i>Infection, Genetics and Evolution</i> , 2016, 43, 398-406.	2.3	21
42	Sustained Neutralizing Antibodies 6 Months Following Infection in 376 Japanese COVID-19 Survivors. <i>Frontiers in Microbiology</i> , 2021, 12, 661187.	3.5	21
43	Interferon-Induced SCYL2 Limits Release of HIV-1 by Triggering PP2A-Mediated Dephosphorylation of the Viral Protein Vpu. <i>Science Signaling</i> , 2012, 5, ra73.	3.6	20
44	Zika virus protease induces caspase-independent pyroptotic cell death by directly cleaving gasdermin D. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 666-671.	2.1	20
45	Development of an Automated Chemiluminescence Assay System for Quantitative Measurement of Multiple Anti-SARS-CoV-2 Antibodies. <i>Frontiers in Microbiology</i> , 2020, 11, 628281.	3.5	20
46	Development of a cell-based assay to identify hepatitis B virus entry inhibitors targeting the sodium taurocholate cotransporting polypeptide. <i>Oncotarget</i> , 2018, 9, 23681-23694.	1.8	20
47	Identification of Tyrosine-Phosphorylated Proteins Upregulated during Epithelial to Mesenchymal Transition Induced with TGF- $\beta$ 2. <i>Journal of Proteome Research</i> , 2015, 14, 4127-4136.	3.7	19
48	A Hyperactive RelA/p65-Hexokinase 2 Signaling Axis Drives Primary Central Nervous System Lymphoma. <i>Cancer Research</i> , 2020, 80, 5330-5343.	0.9	19
49	Treating COVID-19: are we missing out the window of opportunity?. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 283-285.	3.0	19
50	Antibody titers against the Alpha, Beta, Gamma, and Delta variants of SARS-CoV-2 induced by BNT162b2 vaccination measured using automated chemiluminescent enzyme immunoassay. <i>Journal of Infection and Chemotherapy</i> , 2022, 28, 273-278.	1.7	19
51	All-Trans Retinoic Acid Exhibits Antiviral Effect against SARS-CoV-2 by Inhibiting 3CLpro Activity. <i>Viruses</i> , 2021, 13, 1669.	3.3	18
52	Wheat germ cell-free system-based production of hemagglutinin-neuraminidase glycoprotein of human parainfluenza virus type 3 for generation and characterization of monoclonal antibody. <i>Frontiers in Microbiology</i> , 2014, 5, 208.	3.5	17
53	<i>Streptococcus pneumoniae</i> triggers hierarchical autophagy through reprogramming of LAPosome-like vesicles via NDP52-delocalization. <i>Communications Biology</i> , 2020, 3, 25.	4.4	17
54	Prolyl Isomerase Pin1 Regulates the Stability of Hepatitis B Virus Core Protein. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 26.	3.7	16

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55	An immunohistochemical scoring system of prolyl isomerase Pin1 for predicting relapse of prostate carcinoma after radical prostatectomy. <i>Pathology Research and Practice</i> , 2006, 202, 357-364.	2.3	15
56	Molecular evolution of the fusion protein ( F ) gene in human respiratory syncytial virus subgroup B. <i>Infection, Genetics and Evolution</i> , 2017, 52, 1-9.	2.3	15
57	Rapid detection of neutralizing antibodies to SARS-CoV-2 variants in post-vaccination sera. <i>Journal of Molecular Cell Biology</i> , 2022, 13, 918-920.	3.3	15
58	Reduced Replication Efficacy of Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant in Mini-gut Organoids. <i>Gastroenterology</i> , 2022, 163, 514-516.	1.3	15
59	Molecular evolution of the hypervariable region of the attachment glycoprotein gene in human respiratory syncytial virus subgroup B genotypes BA9 and BA10. <i>Infection, Genetics and Evolution</i> , 2015, 36, 217-223.	2.3	14
60	Rapid multiplex microfiber-based immunoassay for anti-MERS-CoV antibody detection. <i>Sensing and Bio-Sensing Research</i> , 2019, 26, 100304.	4.2	14
61	Engineering Cellular Biosensors with Customizable Antiviral Responses Targeting Hepatitis B Virus. <i>IScience</i> , 2020, 23, 100867.	4.1	14
62	Relationship between phosphorylation of sperm-specific antigen and prognosis of lung adenocarcinoma. <i>Journal of Proteomics</i> , 2016, 139, 60-66.	2.4	13
63	The tumour suppressor APC promotes HIV-1 assembly via interaction with Gag precursor protein. <i>Nature Communications</i> , 2017, 8, 14259.	12.8	13
64	Differences in Three-Dimensional Geometric Recognition by Non-Cancerous and Cancerous Epithelial Cells on Microgroove-Based Topography. <i>Scientific Reports</i> , 2017, 7, 4244.	3.3	13
65	Pinning down viral proteins: a new prototype for virus-host cell interaction. <i>Frontiers in Microbiology</i> , 2010, 1, 107.	3.5	12
66	Pathogen profiles and molecular epidemiology of respiratory viruses in Japanese inpatients with community-acquired pneumonia. <i>Respiratory Investigation</i> , 2016, 54, 255-263.	1.8	12
67	Inhibitory effects of metachromin A on hepatitis B virus production via impairment of the viral promoter activity. <i>Antiviral Research</i> , 2017, 145, 136-145.	4.1	12
68	Evaluation of four phosphopeptide enrichment strategies for mass spectrometry-based proteomic analysis. <i>Proteomics</i> , 2022, 22, e2100216.	2.2	12
69	Identification of phosphorylated proteins involved in the oncogenesis of prostate cancer via Pin1-proteomic analysis. <i>Prostate</i> , 2012, 72, 626-637.	2.3	11
70	Evasion of vaccine-induced humoral immunity by emerging sub-variants of SARS-CoV-2. <i>Future Microbiology</i> , 2022, 17, 417-424.	2.0	11
71	Evolutionary Analysis of the VP1 and RNA-Dependent RNA Polymerase Regions of Human Norovirus GII.P17-GII.17 in 2013-2017. <i>Frontiers in Microbiology</i> , 2019, 10, 2189.	3.5	10
72	Genetic analysis of the VP4/VP2 coding region in human rhinovirus species C in patients with acute respiratory infection in Japan. <i>Journal of Medical Microbiology</i> , 2013, 62, 610-617.	1.8	9

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73	Severe acute respiratory syndrome coronavirus 2 prevalence in saliva and gastric and intestinal fluid in patients undergoing gastrointestinal endoscopy in coronavirus disease 2019 endemic areas: Prospective cross-sectional study in Japan. <i>Digestive Endoscopy</i> , 2022, 34, 96-104.	2.3	9
74	The Association Between Documentation of Koplik Spots and Laboratory Diagnosis of Measles and Other Rash Diseases in a National Measles Surveillance Program in Japan. <i>Frontiers in Microbiology</i> , 2019, 10, 269.	3.5	8
75	Cleavage of TANK-Binding Kinase 1 by HIV-1 Protease Triggers Viral Innate Immune Evasion. <i>Frontiers in Microbiology</i> , 2021, 12, 643407.	3.5	8
76	Phosphopeptide enrichment using Phos-tag technology reveals functional phosphorylation of the nucleocapsid protein of SARS-CoV-2. <i>Journal of Proteomics</i> , 2022, 255, 104501.	2.4	8
77	Development of highly sensitive and rapid antigen detection assay for diagnosis of COVID-19 utilizing optical waveguide immunosensor. <i>Journal of Molecular Cell Biology</i> , 2021, , .	3.3	7
78	A cell-free enzymatic activity assay for the evaluation of HIV-1 drug resistance to protease inhibitors. <i>Frontiers in Microbiology</i> , 2015, 6, 1220.	3.5	6
79	Non-transmissible MV Vector with Segmented RNA Genome Establishes Different Types of iPSCs from Hematopoietic Cells. <i>Molecular Therapy</i> , 2020, 28, 129-141.	8.2	6
80	Molecular Evolution of the Fusion Protein (F) Gene in Human Respirivirus 3. <i>Frontiers in Microbiology</i> , 2019, 10, 3054.	3.5	6
81	Persistence of Robust Humoral Immune Response in Coronavirus Disease 2019 Convalescent Individuals Over 12 Months After Infection. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofab626.	0.9	6
82	H11/HSPB8 Restricts HIV-2 Vpx to Restore the Anti-Viral Activity of SAMHD1. <i>Frontiers in Microbiology</i> , 2016, 7, 883.	3.5	5
83	Crosstalk between the innate immune system and selective autophagy in hepatitis B virus infection. <i>Autophagy</i> , 2022, 18, 2006-2007.	9.1	5
84	TROY expression is associated with pathological stage and poor prognosis in patients treated with radical cystectomy. <i>Cancer Biomarkers</i> , 2019, 24, 91-96.	1.7	3
85	Development of Monoclonal Antibodies and Antigen-Capture ELISA for Human Parechovirus Type 3. <i>Microorganisms</i> , 2020, 8, 1437.	3.6	3
86	Molecular and Epidemiological Characterization of Emerging Immune-Escape Variants of SARS-CoV-2. <i>Frontiers in Medicine</i> , 2022, 9, 811004.	2.6	3
87	Characterization and Utilization of Disulfide-Bonded SARS-CoV-2 Receptor Binding Domain of Spike Protein Synthesized by Wheat Germ Cell-Free Production System. <i>Viruses</i> , 2022, 14, 1461.	3.3	3
88	Editorial: Perspectives for the Next Generation of Virus Research: Spearheading the Use of Innovative Technologies and Methodologies. <i>Frontiers in Microbiology</i> , 2017, 8, 758.	3.5	2
89	Production and characterization of monoclonal antibodies specific for major capsid VP1 protein of trichodysplasia spinulosa associated polyomavirus. <i>Microbiology and Immunology</i> , 2018, 62, 763-773.	1.4	2
90	Editorial for the Special Issue: Molecular Epidemiology, Diagnostics and Management of Respiratory Virus Infections. <i>Microorganisms</i> , 2020, 8, 2041.	3.6	0

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91	Development of Parallel Reaction Monitoring Mass Spectrometry Assay for the Detection of Human Norovirus Major Capsid Protein. <i>Viruses</i> , 2022, 14, 1416.	3.3	0