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	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 crossâ€sectional study in Japan. Digestive Endoscopy, 2022, 34, 96-104.	2.3	9
2	Rapid detection of neutralizing antibodies to SARS-CoV-2 variants in post-vaccination sera. Journal of Molecular Cell Biology, 2022, 13, 918-920.	3.3	15
3	Antibody titers against the Alpha, Beta, Gamma, and Delta variants of SARS-CoV-2 induced by BNT162b2 vaccination measured using automated chemiluminescent enzyme immunoassay. Journal of Infection and Chemotherapy, 2022, 28, 273-278.	1.7	19
4	Galectin-9 restricts hepatitis B virus replication via p62/SQSTM1-mediated selective autophagy of viral core proteins. Nature Communications, 2022, 13, 531.	12.8	31
5	Phosphopeptide enrichment using Phos-tag technology reveals functional phosphorylation of the nucleocapsid protein of SARS-CoV-2. Journal of Proteomics, 2022, 255, 104501.	2.4	8
6	Molecular and Epidemiological Characterization of Emerging Immune-Escape Variants of SARS-CoV-2. Frontiers in Medicine, 2022, 9, 811004.	2.6	3
7	Evaluation of four phosphopeptide enrichment strategies for mass spectrometryâ€based proteomic analysis. Proteomics, 2022, 22, e2100216.	2.2	12
8	Vaccine-induced humoral response against SARS-CoV-2 dramatically declined but cellular immunity possibly remained at 6Âmonths post BNT162b2 vaccination. Vaccine, 2022, 40, 2652-2655.	3.8	26
9	Evasion of vaccine-induced humoral immunity by emerging sub-variants of SARS-CoV-2. Future Microbiology, 2022, 17, 417-424.	2.0	11
10	Crosstalk between the innate immune system and selective autophagy in hepatitis B virus infection. Autophagy, 2022, 18, 2006-2007.	9.1	5
11	Persistence of Robust Humoral Immune Response in Coronavirus Disease 2019 Convalescent Individuals Over 12 Months After Infection. Open Forum Infectious Diseases, 2022, 9, ofab626.	0.9	6
12	Reduced Replication Efficacy of Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant in â€œMini-gutâ€•Organoids. Gastroenterology, 2022, 163, 514-516.	1.3	15
13	Development of Parallel Reaction Monitoring Mass Spectrometry Assay for the Detection of Human Norovirus Major Capsid Protein. Viruses, 2022, 14, 1416.	3.3	0
14	Characterization and Utilization of Disulfide-Bonded SARS-CoV-2 Receptor Binding Domain of Spike Protein Synthesized by Wheat Germ Cell-Free Production System. Viruses, 2022, 14, 1461.	3.3	3
15	Treating COVID-19: are we missing out the window of opportunity?. Journal of Antimicrobial Chemotherapy, 2021, 76, 283-285.	3.0	19
16	Rapid quantitative screening assay for SARS-CoV-2 neutralizing antibodies using HiBiT-tagged virus-like particles. Journal of Molecular Cell Biology, 2021, 12, 987-990.	3.3	22
17	Zika virus protease induces caspase-independent pyroptotic cell death by directly cleaving gasdermin D. Biochemical and Biophysical Research Communications, 2021, 534, 666-671.	2.1	20
18	Cleavage of TANK-Binding Kinase 1 by HIV-1 Protease Triggers Viral Innate Immune Evasion. Frontiers in Microbiology, 2021, 12, 643407.	3.5	8

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19	Highly specific monoclonal antibodies and epitope identification against SARS-CoV-2 nucleocapsid protein for antigen detection tests. Cell Reports Medicine, 2021, 2, 100311.	6.5	33
20	Sustained Neutralizing Antibodies 6 Months Following Infection in 376 Japanese COVID-19 Survivors. Frontiers in Microbiology, 2021, 12, 661187.	3.5	21
21	Development of highly sensitive and rapid antigen detection assay for diagnosis of COVID-19 utilizing optical waveguide immunosensor. Journal of Molecular Cell Biology, 2021, , .	3.3	7
22	All-Trans Retinoic Acid Exhibits Antiviral Effect against SARS-CoV-2 by Inhibiting 3CLpro Activity. Viruses, 2021, 13, 1669.	3.3	18
23	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
24	Identification of serum prognostic biomarkers of severe COVID-19 using a quantitative proteomic approach. Scientific Reports, 2021, 11, 20638.	3.3	39
25	Non-transmissible MV Vector with Segmented RNA Genome Establishes Different Types of iPSCs from Hematopoietic Cells. Molecular Therapy, 2020, 28, 129-141.	8.2	6
26	Development of Monoclonal Antibodies and Antigen-Capture ELISA for Human Parechovirus Type 3. Microorganisms, 2020, 8, 1437.	3.6	3
27	A Hyperactive RelA/p65-Hexokinase 2 Signaling Axis Drives Primary Central Nervous System Lymphoma. Cancer Research, 2020, 80, 5330-5343.	0.9	19
28	Potent antiviral effect of silver nanoparticles on SARS-CoV-2. Biochemical and Biophysical Research Communications, 2020, 533, 195-200.	2.1	301
29	Editorial for the Special Issue: Molecular Epidemiology, Diagnostics and Management of Respiratory Virus Infections. Microorganisms, 2020, 8, 2041.	3.6	0
30	Interpreting Diagnostic Tests for SARS-CoV-2. JAMA - Journal of the American Medical Association, 2020, 323, 2249.	7.4	1,276
31	Engineering Cellular Biosensors with Customizable Antiviral Responses Targeting Hepatitis B Virus. IScience, 2020, 23, 100867.	4.1	14
32	Prolyl Isomerase Pin1 Regulates the Stability of Hepatitis B Virus Core Protein. Frontiers in Cell and Developmental Biology, 2020, 8, 26.	3.7	16
33	Streptococcus pneumoniae triggers hierarchical autophagy through reprogramming of LAPosome-like vesicles via NDP52-delocalization. Communications Biology, 2020, 3, 25.	4.4	17
34	Development of an Automated Chemiluminescence Assay System for Quantitative Measurement of Multiple Anti-SARS-CoV-2 Antibodies. Frontiers in Microbiology, 2020, 11, 628281.	3.5	20
35	Evolutionary Analysis of the VP1 and RNA-Dependent RNA Polymerase Regions of Human Norovirus GII.P17-GII.17 in 2013â€“2017. Frontiers in Microbiology, 2019, 10, 2189.	3.5	10
36	Rapid multiplex microfiber-based immunoassay for anti-MERS-CoV antibody detection. Sensing and Bio-Sensing Research, 2019, 26, 100304.	4.2	14

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37	PIM kinases facilitate lentiviral evasion from SAMHD1 restriction via Vpx phosphorylation. Nature Communications, 2019, 10, 1844.	12.8	22
38	The Association Between Documentation of Koplik Spots and Laboratory Diagnosis of Measles and Other Rash Diseases in a National Measles Surveillance Program in Japan. Frontiers in Microbiology, 2019, 10, 269.	3.5	8
39	PI3K/AKT/mTOR Pathway Alterations Promote Malignant Progression and Xenograft Formation in Oligodendroglial Tumors. Clinical Cancer Research, 2019, 25, 4375-4387.	7.0	26
40	TROY expression is associated with pathological stage and poor prognosis in patients treated with radical cystectomy. Cancer Biomarkers, 2019, 24, 91-96.	1.7	3
41	Molecular Evolution of the Fusion Protein (F) Gene in Human Respirovirus 3. Frontiers in Microbiology, 2019, 10, 3054.	3.5	6
42	Production and characterization of monoclonal antibodies specific for major capsid VP1 protein of trichodysplasia spinulosa associated polyomavirus. Microbiology and Immunology, 2018, 62, 763-773.	1.4	2
43	A new strategy to identify hepatitis B virus entry inhibitors by AlphaScreen technology targeting the envelope-receptor interaction. Biochemical and Biophysical Research Communications, 2018, 501, 374-379.	2.1	28
44	Development of a cell-based assay to identify hepatitis B virus entry inhibitors targeting the sodium taurocholate cotransporting polypeptide. Oncotarget, 2018, 9, 23681-23694.	1.8	20
45	The tumour suppressor APC promotes HIV-1 assembly via interaction with Gag precursor protein. Nature Communications, 2017, 8, 14259.	12.8	13
46	Molecular evolution of the fusion protein (F) gene in human respiratory syncytial virus subgroup B. Infection, Genetics and Evolution, 2017, 52, 1-9.	2.3	15
47	Differences in Three-Dimensional Geometric Recognition by Non-Cancerous and Cancerous Epithelial Cells on Microgroove-Based Topography. Scientific Reports, 2017, 7, 4244.	3.3	13
48	Inhibitory effects of metachromin A on hepatitis B virus production via impairment of the viral promoter activity. Antiviral Research, 2017, 145, 136-145.	4.1	12
49	Molecular Evolution of the RNA-Dependent RNA Polymerase and Capsid Genes of Human Norovirus Genotype GII.2 in Japan during 2004â€“2015. Frontiers in Microbiology, 2017, 8, 705.	3.5	28
50	Editorial: Perspectives for the Next Generation of Virus Research: Spearheading the Use of Innovative Technologies and Methodologies. Frontiers in Microbiology, 2017, 8, 758.	3.5	2
51	Development of Monoclonal Antibody and Diagnostic Test for Middle East Respiratory Syndrome Coronavirus Using Cell-Free Synthesized Nucleocapsid Antigen. Frontiers in Microbiology, 2016, 7, 509.	3.5	32
52	H11/HSPB8 Restricts HIV-2 Vpx to Restore the Anti-Viral Activity of SAMHD1. Frontiers in Microbiology, 2016, 7, 883.	3.5	5
53	Molecular evolution of the fusion protein gene in human respiratory syncytial virus subgroup A. Infection, Genetics and Evolution, 2016, 43, 398-406.	2.3	21
54	Relationship between phosphorylation of sperm-specific antigen and prognosis of lung adenocarcinoma. Journal of Proteomics, 2016, 139, 60-66.	2.4	13

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55	Pathogen profiles and molecular epidemiology of respiratory viruses in Japanese inpatients with community-acquired pneumonia. Respiratory Investigation, 2016, 54, 255-263.	1.8	12
56	A cell-free enzymatic activity assay for the evaluation of HIV-1 drug resistance to protease inhibitors. Frontiers in Microbiology, 2015, 6, 1220.	3.5	6
57	Identification of Tyrosine-Phosphorylated Proteins Upregulated during Epithelialâ€“Mesenchymal Transition Induced with TGF-Î². Journal of Proteome Research, 2015, 14, 4127-4136.	3.7	19
58	Molecular evolution of haemagglutinin (H) gene in measles virus. Scientific Reports, 2015, 5, 11648.	3.3	35
59	Molecular evolution of the hypervariable region of the attachment glycoprotein gene in human respiratory syncytial virus subgroup B genotypes BA9 and BA10. Infection, Genetics and Evolution, 2015, 36, 217-223.	2.3	14
60	ASK1 restores the antiviral activity of APOBEC3G by disrupting HIV-1 Vif-mediated counteraction. Nature Communications, 2015, 6, 6945.	12.8	32
61	Molecular dissection of HBV evasion from restriction factor tetherin: A new perspective for antiviral cell therapy. Oncotarget, 2015, 6, 21840-21852.	1.8	35
62	Wheat germ cell-free system-based production of hemagglutinin-neuraminidase glycoprotein of human parainfluenza virus type 3 for generation and characterization of monoclonal antibody. Frontiers in Microbiology, 2014, 5, 208.	3.5	17
63	The phosphorylation of HIV-1 Gag by atypical protein kinase C facilitates viral infectivity by promoting Vpr incorporation into virions. Retrovirology, 2014, 11, 9.	2.0	32
64	Proteomic Analysis of Proteins Related to Prognosis of Lung Adenocarcinoma. Journal of Proteome Research, 2014, 13, 4686-4694.	3.7	27
65	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
66	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
67	Genetic analysis of the VP4/VP2 coding region in human rhinovirus species C in patients with acute respiratory infection in Japan. Journal of Medical Microbiology, 2013, 62, 610-617.	1.8	9
68	Molecular evolution of attachment glycoprotein (G) gene in human respiratory syncytial virus detected in Japan 2008â€“2011. Infection, Genetics and Evolution, 2013, 18, 168-173.	2.3	33
69	Pin1 Interacts with the Epstein-Barr Virus DNA Polymerase Catalytic Subunit and Regulates Viral DNA Replication. Journal of Virology, 2013, 87, 2120-2127.	3.4	39
70	Molecular epidemiological study of human rhinovirus species A, B and C from patients with acute respiratory illnesses in Japan. Journal of Medical Microbiology, 2012, 61, 410-419.	1.8	41
71	Interferon-Induced SCYL2 Limits Release of HIV-1 by Triggering PP2A-Mediated Dephosphorylation of the Viral Protein Vpu. Science Signaling, 2012, 5, ra73.	3.6	20
72	Establishment of a robust dengue virus NS3â€“NS5 binding assay for identification of proteinâ€–protein interaction inhibitors. Antiviral Research, 2012, 96, 305-314.	4.1	45

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73	Identification of phosphorylated proteins involved in the oncogenesis of prostate cancer via Pin1â€proteomic analysis. Prostate, 2012, 72, 626-637.	2.3	11
74	A Distinct Role for Pin1 in the Induction and Maintenance of Pluripotency. Journal of Biological Chemistry, 2011, 286, 11593-11603.	3.4	49
75	Pinning down viral proteins: a new prototype for virusâ€“host cell interaction. Frontiers in Microbiology, 2010, 1, 107.	3.5	12
76	Pin1 Promotes Transforming Growth Factor-Î²-induced Migration and Invasion. Journal of Biological Chemistry, 2010, 285, 1754-1764.	3.4	86
77	Pin1 Catalyzes Conformational Changes of Thr-187 in p27Kip1 and Mediates Its Stability through a Polyubiquitination Process. Journal of Biological Chemistry, 2009, 284, 23980-23988.	3.4	42
78	BCA2/Rabring7 Promotes Tetherin-Dependent HIV-1 Restriction. PLoS Pathogens, 2009, 5, e1000700.	4.7	84
79	The prolyl isomerase Pin1 stabilizes the human T-cell leukemia virus type 1 (HTLV-1) Tax oncoprotein and promotes malignant transformation. Biochemical and Biophysical Research Communications, 2009, 381, 294-299.	2.1	31
80	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
81	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
82	An immunohistochemical scoring system of prolyl isomerase Pin1 for predicting relapse of prostate carcinoma after radical prostatectomy. Pathology Research and Practice, 2006, 202, 357-364.	2.3	15
83	Prolyl-isomerase Pin1 Accumulates in Lewy Bodies of Parkinson Disease and Facilitates Formation of Î±-Synuclein Inclusions. Journal of Biological Chemistry, 2006, 281, 4117-4125.	3.4	75
84	Stable Suppression of Tumorigenicity by Pin1-Targeted RNA Interference in Prostate Cancer. Clinical Cancer Research, 2005, 11, 7523-7531.	7.0	107
85	Regulation of NF-ÎºB Signaling by Pin1-Dependent Prolyl Isomerization and Ubiquitin-Mediated Proteolysis of p65/RelA. Molecular Cell, 2003, 12, 1413-1426.	9.7	611
86	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
87	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
88	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
89	Pin1 regulates turnover and subcellular localization of Î²-catenin by inhibiting its interaction with APC. Nature Cell Biology, 2001, 3, 793-801.	10.3	447
90	Identification and Characterization of Differentially Expressed mRNAs in HIV Type 1-Infected Human T Cells. AIDS Research and Human Retroviruses, 2000, 16, 995-1005.	1.1	41

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91	Serial analysis of gene expression in HIV-1-infected T cell lines. FEBS Letters, 1999, 462, 182-186.	2.8	42