Takashi Fujita

List of Publications by Year
in descending order

84	18,127	101384	56606
papers	citations	36 h-index	83 g-index

86	86	86	15378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The RNA helicase RIG-I has an essential function in double-stranded RNA-induced innate antiviral responses. Nature Immunology, 2004, 5, 730-737.	7.0	3,433
2	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	13.7	3,292
3	Shared and Unique Functions of the DExD/H-Box Helicases RIG-I, MDA5, and LGP2 in Antiviral Innate Immunity. Journal of Immunology, 2005, 175, 2851-2858.	0.4	1,438
4	Length-dependent recognition of double-stranded ribonucleic acids by retinoic acidâ€“inducible gene-I and melanoma differentiationâ€“associated gene 5. Journal of Experimental Medicine, 2008, 205, 1601-1610.	4.2	1,327
5	Regulated expression of a gene encoding a nuclear factor, IRF-1, that specifically binds to IFN-Î² gene regulatory elements. Cell, 1988, 54, 903-913.	13.5	991
6	Structurally similar but functionally distinct factors, IRF-1 and IRF-2, bind to the same regulatory elements of IFN and IFN-inducible genes. Cell, 1989, 58, 729-739.	13.5	965
7	Regulating Intracellular Antiviral Defense and Permissiveness to Hepatitis C Virus RNA Replication through a Cellular RNA Helicase, RIG-I. Journal of Virology, 2005, 79, 2689-2699.	1.5	830
8	LGP2 is a positive regulator of RIG-Iâ€“ and MDA5-mediated antiviral responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1512-1517.	3.3	540
9	RNA recognition and signal transduction by RIGâ€Iâ€like receptors. Immunological Reviews, 2009, 227, 54-65.	2.8	525
10	Viral RNA detection by RIG-I-like receptors. Current Opinion in Immunology, 2015, 32, 48-53.	2.4	371
11	Critical Role of an Antiviral Stress Granule Containing RIG-I and PKR in Viral Detection and Innate Immunity. PLoS ONE, 2012, 7, e43031.	1.1	294
12	Recognition of viral nucleic acids in innate immunity. Reviews in Medical Virology, 2010, 20, 4-22.	3.9	265
13	Interferon-Î² gene regulation: Tandemly repeated sequences of a synthetic 6 bp oligomer function as a virus-inducible enhancer. Cell, 1987, 49, 357-367.	13.5	242
14	Autoimmune Disorders Associated with Gain of Function of the Intracellular Sensor MDA5. Immunity, 2014, 40, 199-212.	6.6	230
15	Antiviral Activity of Human OASL Protein Is Mediated by Enhancing Signaling of the RIG-I RNA Sensor. Immunity, 2014, 40, 936-948.	6.6	201
16	Antiviral innate immunity and stress granule responses. Trends in Immunology, 2014, 35, 420-428.	2.9	192
17	Identification of Ser-386 of Interferon Regulatory Factor 3 as Critical Target for Inducible Phosphorylation That Determines Activation. Journal of Biological Chemistry, 2004, 279, 9698-9702.	1.6	182
18	Aicardi-GoutiÃ¨res Syndrome Is Caused by IFIH1 Mutations. American Journal of Human Genetics, 2014, 95, 121-125.	2.6	175

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19	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. Journal of Experimental Medicine, 2015, 212, 1371-1379.	4.2	171
20	Solution Structures of Cytosolic RNA Sensor MDA5 and LGP2 C-terminal Domains. Journal of Biological Chemistry, 2009, 284, 17465-17474.	1.6	170
21	Anti-CADM-140/MDA5 autoantibody titer correlates with disease activity and predicts disease outcome in patients with dermatomyositis and rapidly progressive interstitial lung disease. Modern Rheumatology, 2013, 23, 496-502.	0.9	170
22	Virus-Infection or 5â€²ppp-RNA Activates Antiviral Signal through Redistribution of IPS-1 Mediated by MFN1. PLoS Pathogens, 2010, 6, e1001012.	2.1	150
23	X-ray crystal structure of IRF-3 and its functional implications. Nature Structural and Molecular Biology, 2003, 10, 922-927.	3.6	142
24	Ubiquitin-Dependent and -Independent Roles of E3 Ligase RIPLET in Innate Immunity. Cell, 2019, 177, 1187-1200.e16.	13.5	141
25	Identification of Loss of Function Mutations in Human Genes Encoding RIG-I and MDA5. Journal of Biological Chemistry, 2009, 284, 13348-13354.	1.6	130
26	Interferon stimulation creates chromatin marks and establishes transcriptional memory. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9162-E9171.	3.3	130
27	DHX36 Enhances RIG-I Signaling by Facilitating PKR-Mediated Antiviral Stress Granule Formation. PLoS Pathogens, 2014, 10, e1004012.	2.1	129
28	Sensing viral invasion by RIG-I like receptors. Current Opinion in Microbiology, 2014, 20, 131-138.	2.3	90
29	RIG-I-like receptors and autoimmune diseases. Current Opinion in Immunology, 2015, 37, 40-45.	2.4	73
30	Leader-Containing Uncapped Viral Transcript Activates RIG-I in Antiviral Stress Granules. PLoS Pathogens, 2016, 12, e1005444.	2.1	68
31	Triggering antiviral response by RIG-I-related RNA helicases. Biochimie, 2007, 89, 754-760.	1.3	67
32	Ser386 phosphorylation of transcription factor IRFâ€3 induces dimerization and association with CBP/p300 without overall conformational change. Genes To Cells, 2010, 15, 901-910.	0.5	55
33	A Novel Function of Human Pumilio Proteins in Cytoplasmic Sensing of Viral Infection. PLoS Pathogens, 2014, 10, e1004417.	2.1	51
34	Antiviral Activity of Phenolic Derivatives in Pyroligneous Acid from Hardwood, Softwood, and Bamboo. ACS Sustainable Chemistry and Engineering, 2018, 6, 119-126.	3.2	51
35	Viral RNA recognition by LGP2 and MDA5, and activation of signaling through step-by-step conformational changes. Nucleic Acids Research, 2020, 48, 11664-11674.	6.5	51
36	Impaired Antiviral Stress Granule and IFN-Î² Enhanceosome Formation Enhances Susceptibility to Influenza Infection in Chronic Obstructive Pulmonary Disease Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 117-127.	1.4	44

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37	RIG-I-Like Receptors and Type I Interferonopathies. Journal of Interferon and Cytokine Research, 2017, 37, 207-213.	0.5	43
38	RIG-I-Like Receptor and Toll-Like Receptor Signaling Pathways Cause Aberrant Production of Inflammatory Cytokines/Chemokines in a Severe Fever with Thrombocytopenia Syndrome Virus Infection Mouse Model. Journal of Virology, 2018, 92, .	1.5	40
39	Rosmarinic acid is a novel inhibitor for Hepatitis B virus replication targeting viral epsilon RNA-polymerase interaction. PLoS ONE, 2018, 13, e0197664.	1.1	40
40	Studies on interferon priming: Cellular response to viral and nonviral inducers and requirement of protein synthesis. Virology, 1981, 112, 62-69.	1.1	35
41	Hepatitis C virus non-structural proteins responsible for suppression of the RIG-I/Cardif-induced interferon response. Journal of General Virology, 2007, 88, 3323-3333.	1.3	34
42	Amyopathic dermatomyositis developing rapidly progressive interstitial lung disease with elevation of anti-CADM-140/MDA5 autoantibodies. Modern Rheumatology, 2012, 22, 625-629.	0.9	32
43	Type I Interferon Production Induced by RIG-I-Like Receptors. Journal of Interferon and Cytokine Research, 2010, 30, 875-881.	0.5	30
44	Spatio-temporal characterization of the antiviral activity of the XRN1-DCP1/2 aggregation against cytoplasmic RNA viruses to prevent cell death. Cell Death and Differentiation, 2020, 27, 2363-2382.	5.0	30
45	The ASK family kinases differentially mediate induction of type I interferon and apoptosis during the antiviral response. Science Signaling, 2015, 8, ra78.	1.6	29
46	A Nonself RNA Pattern: Tri-p to Panhandle. Immunity, 2009, 31, 4-5.	6.6	28
47	Characterization of distinct molecular interactions responsible for IRF3 and IRF7 phosphorylation and subsequent dimerization. Nucleic Acids Research, 2020, 48, 11421-11433.	6.5	28
48	Structure-dependent antiviral activity of catechol derivatives in pyroligneous acid against the encephalomycarditis virus. RSC Advances, 2018, 8, 35888-35896.	1.7	23
49	VIROLOGY: Sensing Viral RNA Amid Your Own. Science, 2006, 314, 935-936.	6.0	22
50	Functional Characterization of Domains of IPS-1 Using an Inducible Oligomerization System. PLoS ONE, 2013, 8, e53578.	1.1	22
51	Endoplasmic reticulum-mediated induction of interleukin-8 occurs by hepatitis B virus infection and contributes to suppression of interferon responsiveness in human hepatocytes. Virology, 2018, 525, 48-61.	1.1	20
52	Cyclophilin Inhibitors Reduce Phosphorylation of RNA-Dependent Protein Kinase to Restore Expression of IFN-Stimulated Genes in HCV-Infected Cells. Gastroenterology, 2014, 147, 463-472.	0.6	19
53	Conversion of Beech Wood into Antiviral Lignināۀ“Carbohydrate Complexes by Microwave Acidolysis. ACS Sustainable Chemistry and Engineering, 2021, 9, 9248-9256.	3.2	19
54	Fueling Type I Interferonopathies: Regulation and Function of Type I Interferon Antiviral Responses. Journal of Interferon and Cytokine Research, 2019, 39, 383-392.	0.5	18

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55	Autoimmunity caused by constitutive activation of cytoplasmic viral RNA sensors. Cytokine and Growth Factor Reviews, 2014, 25, 739-743.	3.2	17
56	Singleton-Merten Syndromeâ€“like Skeletal Abnormalities in Mice with Constitutively Activated MDA5. Journal of Immunology, 2019, 203, 1356-1368.	0.4	17
57	Production of Antiviral Substance from Sugarcane Bagasse by Chemical Alteration of its Native Lignin Structure through Microwave Solvolysis. ChemSusChem, 2020, 13, 4519-4527.	3.6	17
58	Retinoic Acid Inducible Gene I and Protein Kinase R, but Not Stress Granules, Mediate the Proinflammatory Response to Yellow Fever Virus. Journal of Virology, 2020, 94, .	1.5	15
59	The Role of Non-Structural Protein NSs in the Pathogenesis of Severe Fever with Thrombocytopenia Syndrome. Viruses, 2021, 13, 876.	1.5	15
60	Cochlear supporting cells function as macrophage-like cells and protect audiosensory receptor hair cells from pathogens. Scientific Reports, 2020, 10, 6740.	1.6	13
61	Priming Phosphorylation of TANK-Binding Kinase 1 by IÎ²B Kinase Î² Is Essential in Toll-Like Receptor 3/4 Signaling. Molecular and Cellular Biology, 2020, 40, .	1.1	12
62	The Nonstructural Protein NSs of Severe Fever with Thrombocytopenia Syndrome Virus Causes a Cytokine Storm through the Hyperactivation of NF-Î²B. Molecular and Cellular Biology, 2021, 41, .	1.1	11
63	Virus-induced expression of retinoic acid inducible gene-I and melanoma differentiation-associated gene 5 in the cochlear sensory epithelium. Microbes and Infection, 2013, 15, 592-598.	1.0	10
64	Critical Role of Interferon-Î± Constitutively Produced in Human Hepatocytes in Response to RNA Virus Infection. PLoS ONE, 2014, 9, e89869.	1.1	10
65	Cytoplasmic double-stranded DNA sensor. Nature Immunology, 2007, 8, 907-908.	7.0	9
66	A Plant-Derived Nucleic Acid Reconciles Type I IFN and a Pyroptotic-like Event in Immunity against Respiratory Viruses. Journal of Immunology, 2017, 199, 2460-2474.	0.4	9
67	Establishment of a novel hepatitis B virus culture system using immortalized human hepatocytes. Scientific Reports, 2020, 10, 21718.	1.6	9
68	Screening for inhibitor of episomal DNA identified dicumarol as a hepatitis B virus inhibitor. PLoS ONE, 2019, 14, e0212233.	1.1	8
69	Aicardiâ€“GoutiÃ¨res syndrome-like encephalitis in mutant mice with constitutively active MDA5. International Immunology, 2021, 33, 225-240.	1.8	8
70	Influence of Genes Suppressing Interferon Effects in Peripheral Blood Mononuclear Cells during Triple Antiviral Therapy for Chronic Hepatitis C. PLoS ONE, 2015, 10, e0118000.	1.1	8
71	Influenza virus NS1- C/EBPÎ² gene regulatory complex inhibits RIG-I transcription. Antiviral Research, 2020, 176, 104747.	1.9	7
72	Adsorptive Inhibition of Enveloped Viruses and Nonenveloped Cardioviruses by Antiviral Lignin Produced from Sugarcane Bagasse via Microwave Glycerolysis. Biomacromolecules, 2022, 23, 789-797.	2.6	7

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73	Restoration of type I interferon signaling in intrahepatically primed CD8+ T cells promotes functional differentiation. JCI Insight, 2021, 6, .	2.3	6
74	The RNA helicase DDX3 promotes IFNB transcription via enhancing IRF-3/p300 holocomplex binding to the IFNB promoter. Scientific Reports, 2022, 12, 3967.	1.6	6
75	Establishment of a human hepatocellular cell line capable of maintaining long-term replication of hepatitis B virus. International Immunology, 2017, 29, 109-120.	1.8	5
76	Influenza A virus NS1 optimises virus infectivity by enhancing genome packaging in a dsRNA-binding dependent manner. Virology Journal, 2020, 17, 107.	1.4	4
77	Psoriasis-like skin disorder in transgenic mice expressing a RIG-I Singletonâ€“Merten syndrome variant. International Immunology, 2021, 33, 211-224.	1.8	4
78	Identification of a new autoinhibitory domain of interferon-beta promoter stimulator-1 (IPS-1) for the tight regulation of oligomerization-driven signal activation. Biochemical and Biophysical Research Communications, 2019, 517, 662-669.	1.0	3
79	Virus-infection in cochlear supporting cells induces audiosensory receptor hair cell death by TRAIL-induced necroptosis. PLoS ONE, 2021, 16, e0260443.	1.1	3
80	Intracellular virus sensor MDA5 mutation develops autoimmune myocarditis and nephritis. Journal of Autoimmunity, 2022, 127, 102794.	3.0	2
81	Broad and systemic immune-modulating capacity of plant-derived dsRNA. International Immunology, 2019, 31, 811-821.	1.8	1
82	Hepatitis B Virus (HBV) Upregulates TRAIL-R3 Expression in Hepatocytes Resulting in Escape From Both Cell Apoptosis and Suppression of HBV Replication by TRAIL. Journal of Infectious Diseases, 2023, 227, 686-695.	1.9	1
83	A sense for sensors of danger. Nature Immunology, 2020, 21, 706-707.	7.0	0
84	Analysis of intracellular localization of viral RNA sensor, RLR. FASEB Journal, 2011, 25, 941.4.	0.2	0