Mitsutoshi Yoneyama

List of Publications by Year
in descending order

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62	18,827	61945 43	133188 59
papers	citations	h-index	g-index

63	63	63	14032
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	Cell Type-Specific Involvement of RIG-I in Antiviral Response. Immunity, 2005, 23, 19-28.	6.6	1,221
5	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
6	Direct triggering of the type I interferon system by virus infection: activation of a transcription factor complex containing IRF-3 and CBP/p300. EMBO Journal, 1998, 17, 1087-1095.	3.5	735
7	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
8	RNA recognition and signal transduction by RIGâ€Iâ€like receptors. Immunological Reviews, 2009, 227, 54-65.	2.8	525
9	Control of antiviral defenses through hepatitis C virus disruption of retinoic acid-inducible gene-I signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2986-2991.	3.3	506
10	Nonself RNA-Sensing Mechanism of RIG-I Helicase and Activation of Antiviral Immune Responses. Molecular Cell, 2008, 29, 428-440.	4.5	416
11	Viral and therapeutic control of IFN-beta promoter stimulator 1 during hepatitis C virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6001-6006.	3.3	394
12	Viral RNA detection by RIG-I-like receptors. Current Opinion in Immunology, 2015, 32, 48-53.	2.4	371
13	Viral Infections Activate Types I and III Interferon Genes through a Common Mechanism. Journal of Biological Chemistry, 2007, 282, 7576-7581.	1.6	300
14	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
15	Recognition of viral nucleic acids in innate immunity. Reviews in Medical Virology, 2010, 20, 4-22.	3.9	265
16	Function of RIG-I-like Receptors in Antiviral Innate Immunity. Journal of Biological Chemistry, 2007, 282, 15315-15318.	1.6	258
17	IL-2 and EGF receptors stimulate the hematopoietic cell cycle via different signaling pathways: Demonstration of a novel role for c-myc. Cell, 1992, 70, 57-67.	13.5	250
18	Dectin-2 Is a Direct Receptor for Mannose-Capped Lipoarabinomannan of Mycobacteria. Immunity, 2014, 41, 402-413.	6.6	243

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19	Induction of IRF-3/-7 kinase and NF-Î¹B in response to double-stranded RNA and virus infection: common and unique pathways. Genes To Cells, 2001, 6, 375-388.	0.5	242
20	Structural Mechanism of RNA Recognition by the RIG-I-like Receptors. Immunity, 2008, 29, 178-181.	6.6	226
21	The Alpha/Beta Interferon Response Controls Tissue Tropism and Pathogenicity of Poliovirus. Journal of Virology, 2005, 79, 4460-4469.	1.5	210
22	Antiviral innate immunity and stress granule responses. Trends in Immunology, 2014, 35, 420-428.	2.9	192
23	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
24	Regulation of RIG-I-like receptor-mediated signaling: interaction between host and viral factors. Cellular and Molecular Immunology, 2021, 18, 539-555.	4.8	179
25	Solution Structures of Cytosolic RNA Sensor MDA5 and LGP2 C-terminal Domains. Journal of Biological Chemistry, 2009, 284, 17465-17474.	1.6	170
26	Inhibition of RIG-I-Dependent Signaling to the Interferon Pathway during Hepatitis C Virus Expression and Restoration of Signaling by IKKÎµ. Journal of Virology, 2005, 79, 3969-3978.	1.5	169
27	Review: Control of IRF-3 Activation by Phosphorylation. Journal of Interferon and Cytokine Research, 2002, 22, 73-76.	0.5	150
28	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
29	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
30	DHX36 Enhances RIG-I Signaling by Facilitating PKR-Mediated Antiviral Stress Granule Formation. PLoS Pathogens, 2014, 10, e1004012.	2.1	129
31	Encephalomyocarditis Virus Disrupts Stress Granules, the Critical Platform for Triggering Antiviral Innate Immune Responses. Journal of Virology, 2013, 87, 9511-9522.	1.5	127
32	Hepatitis C virus NS4B protein targets STING and abrogates RIG-I-mediated type I interferon-dependent innate immunity. Hepatology, 2013, 57, 46-58.	3.6	127
33	RIG-I family RNA helicases: Cytoplasmic sensor for antiviral innate immunity. Cytokine and Growth Factor Reviews, 2007, 18, 545-551.	3.2	126
34	Direct Involvement of CREB-binding Protein/p300 in Sequence-specific DNA Binding of Virus-activated Interferon Regulatory Factor-3 Holocomplex. Journal of Biological Chemistry, 2002, 277, 22304-22313.	1.6	94
35	The human interleukin-2 receptor Î²-chain gene: genomic organization, promoter analysis and chromosomal assignment. Nucleic Acids Research, 1990, 18, 3697-3703.	6.5	91
36	Retinoic Acid-Inducible Gene-I-Like Receptors. Journal of Interferon and Cytokine Research, 2011, 31, 27-31.	0.5	79

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37	Involvement of a common transcription factor in the regulated expression of IL-2 and IL-2 receptor genes. International Immunology, 1989, 1, 43-49.	1.8	71
38	Leader-Containing Uncapped Viral Transcript Activates RIG-I in Antiviral Stress Granules. PLoS Pathogens, 2016, 12, e1005444.	2.1	68
39	Triggering antiviral response by RIG-I-related RNA helicases. Biochimie, 2007, 89, 754-760.	1.3	67
40	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
41	A Novel Function of Human Pumilio Proteins in Cytoplasmic Sensing of Viral Infection. PLoS Pathogens, 2014, 10, e1004417.	2.1	51
42	Cytoplasmic recognition of RNAâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 841-846.	6.6	47
43	Retinoic Acid-inducible Gene I-inducible miR-23b Inhibits Infections by Minor Group Rhinoviruses through Down-regulation of the Very Low Density Lipoprotein Receptor. Journal of Biological Chemistry, 2011, 286, 26210-26219.	1.6	45
44	Involvement of TIRAP/MAL in signaling for the activation of interferon regulatory factor 3 by lipopolysaccharide. FEBS Letters, 2002, 517, 251-256.	1.3	44
45	PACT, a Double-Stranded RNA Binding Protein Acts as a Positive Regulator for Type I Interferon Gene Induced by Newcastle Disease Virus. Biochemical and Biophysical Research Communications, 2001, 282, 515-523.	1.0	43
46	Regulation of antiviral innate immune signaling by stress-induced RNA granules. Journal of Biochemistry, 2016, 159, mvv122.	0.9	43
47	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
48	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
49	Role of the Alpha/Beta Interferon Response in the Acquisition of Susceptibility to Poliovirus by Kidney Cells in Culture. Journal of Virology, 2006, 80, 4313-4325.	1.5	28
50	55 Amino acid linker between helicase and carboxyl terminal domains of RIG-I functions as a critical repression domain and determines inter-domain conformation. Biochemical and Biophysical Research Communications, 2011, 415, 75-81.	1.0	24
51	Functional Characterization of Domains of IPS-1 Using an Inducible Oligomerization System. PLoS ONE, 2013, 8, e53578.	1.1	22
52	Virus Sensor RIG-I Represses RNA Interference by Interacting with TRBP through LGP2 in Mammalian Cells. Genes, 2018, 9, 511.	1.0	16
53	Impairment of interferon regulatory factor-3 activation by hepatitis C virus core protein basic amino acid region 1. Biochemical and Biophysical Research Communications, 2012, 428, 494-499.	1.0	14
54	Foreign RNA Induces the Degradation of Mitochondrial Antiviral Signaling Protein (MAVS): The Role of Intracellular Antiviral Factors. PLoS ONE, 2012, 7, e45136.	1.1	11

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55	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
56	Cytoplasmic double-stranded DNA sensor. Nature Immunology, 2007, 8, 907-908.	7.0	9
57	Refeeding with a standard diet after a 48-h fast elicits an inflammatory response in the mouse liver. Journal of Nutritional Biochemistry, 2013, 24, 1314-1323.	1.9	5
58	Lymphocyteâ€“stromal cell interaction induces IL-7 expression by interferon regulatory factors. Molecular Immunology, 2013, 54, 378-385.	1.0	4
59	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
60	Mitochondrial dynamics and innate antiviral responses regulated by RIG-I-like receptor. Cytokine, 2009, 48, 133.	1.4	0
61	192. Cytokine, 2013, 63, 288.	1.4	0
62	ID: 70. Cytokine, 2015, 76, 78.	1.4	0