

Hiroyuki Oshiumi

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101
papers

7,172
citations

42
h-index

84
g-index

113
ext. papers

8,292
ext. citations

7
avg, IF

5.77
L-index

#	Paper	IF	Citations
101	TICAM-1, an adaptor molecule that participates in Toll-like receptor 3-mediated interferon-beta induction. <i>Nature Immunology</i> , 2003 , 4, 161-7	19.1	981
100	Subcellular localization of Toll-like receptor 3 in human dendritic cells. <i>Journal of Immunology</i> , 2003 , 171, 3154-62	5.3	583
99	Complex formation and functional versatility of Mre11 of budding yeast in recombination. <i>Cell</i> , 1998 , 95, 705-16	56.2	303
98	TIR-containing adapter molecule (TICAM)-2, a bridging adapter recruiting to toll-like receptor 4 TICAM-1 that induces interferon-beta. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49751-62	5.4	291
97	Teleost TLR22 recognizes RNA duplex to induce IFN and protect cells from birnaviruses. <i>Journal of Immunology</i> , 2008 , 181, 3474-85	5.3	262
96	Prediction of the prototype of the human Toll-like receptor gene family from the pufferfish, <i>Fugu rubripes</i> , genome. <i>Immunogenetics</i> , 2003 , 54, 791-800	3.2	260
95	Riplet/RNF135, a RING finger protein, ubiquitinates RIG-I to promote interferon-beta induction during the early phase of viral infection. <i>Journal of Biological Chemistry</i> , 2009 , 284, 807-17	5.4	241
94	The ubiquitin ligase Riplet is essential for RIG-I-dependent innate immune responses to RNA virus infection. <i>Cell Host and Microbe</i> , 2010 , 8, 496-509	23.4	178
93	DDX60, a DEXD/H box helicase, is a novel antiviral factor promoting RIG-I-like receptor-mediated signaling. <i>Molecular and Cellular Biology</i> , 2011 , 31, 3802-19	4.8	178
92	Mitofusin 2 inhibits mitochondrial antiviral signaling. <i>Science Signaling</i> , 2009 , 2, ra47	8.8	175
91	Toll-like receptor 3 signaling converts tumor-supporting myeloid cells to tumoricidal effectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2066-71	11.5	162
90	Sensing bacterial flagellin by membrane and soluble orthologs of Toll-like receptor 5 in rainbow trout (<i>Onchorhynchus mikiss</i>). <i>Journal of Biological Chemistry</i> , 2004 , 279, 48588-97	5.4	157
89	Combined Blockade of IL6 and PD-1/PD-L1 Signaling Abrogates Mutual Regulation of Their Immunosuppressive Effects in the Tumor Microenvironment. <i>Cancer Research</i> , 2018 , 78, 5011-5022	10.1	147
88	DEAD/H BOX 3 (DDX3) helicase binds the RIG-I adaptor IPS-1 to up-regulate IFN-beta-inducing potential. <i>European Journal of Immunology</i> , 2010 , 40, 940-8	6.1	145
87	Toll-like receptor 3: a link between toll-like receptor, interferon and viruses. <i>Microbiology and Immunology</i> , 2004 , 48, 147-54	2.7	139
86	A distinct role of Riplet-mediated K63-Linked polyubiquitination of the RIG-I repressor domain in human antiviral innate immune responses. <i>PLoS Pathogens</i> , 2013 , 9, e1003533	7.6	136
85	The cytoplasmic Tinker region in Toll-like receptor 3 controls receptor localization and signaling. <i>International Immunology</i> , 2004 , 16, 1143-54	4.9	130

84	Collaborative action of Brca1 and CtIP in elimination of covalent modifications from double-strand breaks to facilitate subsequent break repair. <i>PLoS Genetics</i> , 2010 , 6, e1000828	6	115
83	Antiviral responses induced by the TLR3 pathway. <i>Reviews in Medical Virology</i> , 2011 , 21, 67-77	11.7	111
82	Cutting Edge: NF-kappaB-activating kinase-associated protein 1 participates in TLR3/Toll-IL-1 homology domain-containing adaptor molecule-1-mediated IFN regulatory factor 3 activation. <i>Journal of Immunology</i> , 2005 , 174, 27-30	5.3	110
81	A protein complex containing Mei5 and Sae3 promotes the assembly of the meiosis-specific RecA homolog Dmc1. <i>Cell</i> , 2004 , 119, 927-40	56.2	98
80	Extracellular Vesicles Including Exosomes Regulate Innate Immune Responses to Hepatitis B Virus Infection. <i>Frontiers in Immunology</i> , 2016 , 7, 335	8.4	96
79	Combinational recognition of bacterial lipoproteins and peptidoglycan by chicken Toll-like receptor 2 subfamily. <i>Developmental and Comparative Immunology</i> , 2008 , 32, 147-55	3.2	84
78	Identification of a polyI:C-inducible membrane protein that participates in dendritic cell-mediated natural killer cell activation. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2675-87	16.6	81
77	Correction: an embryo-specific expressing TGF-β family protein, growth-differentiation factor 3 (GDF3), augments progression of B16 melanoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014 , 33, 22	12.8	78
76	DDX60 Is Involved in RIG-I-Dependent and Independent Antiviral Responses, and Its Function Is Attenuated by Virus-Induced EGFR Activation. <i>Cell Reports</i> , 2015 , 11, 1193-207	10.6	78
75	The toll-like receptor 3-mediated antiviral response is important for protection against poliovirus infection in poliovirus receptor transgenic mice. <i>Journal of Virology</i> , 2012 , 86, 185-94	6.6	73
74	Spatiotemporal mobilization of Toll/IL-1 receptor domain-containing adaptor molecule-1 in response to dsRNA. <i>Journal of Immunology</i> , 2007 , 179, 6867-72	5.3	72
73	Extracellular Vesicles Deliver Host and Virus RNA and Regulate Innate Immune Response. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	70
72	Phylogenetic and expression analysis of lamprey toll-like receptors. <i>Developmental and Comparative Immunology</i> , 2010 , 34, 855-65	3.2	69
71	The TLR3/TICAM-1 pathway is mandatory for innate immune responses to poliovirus infection. <i>Journal of Immunology</i> , 2011 , 187, 5320-7	5.3	67
70	Immune-suppressive effects of interleukin-6 on T-cell-mediated anti-tumor immunity. <i>Cancer Science</i> , 2018 , 109, 523-530	6.9	67
69	Hepatitis C virus core protein abrogates the DDX3 function that enhances IPS-1-mediated IFN-beta induction. <i>PLoS ONE</i> , 2010 , 5, e14258	3.7	58
68	Pan-vertebrate toll-like receptors during evolution. <i>Current Genomics</i> , 2008 , 9, 488-93	2.6	58
67	Homo-oligomerization is essential for Toll/interleukin-1 receptor domain-containing adaptor molecule-1-mediated NF-kappaB and interferon regulatory factor-3 activation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18283-91	5.4	58

66	Direct binding of TRAF2 and TRAF6 to TICAM-1/TRIF adaptor participates in activation of the Toll-like receptor 3/4 pathway. <i>Molecular Immunology</i> , 2010 , 47, 1283-91	4.3	57
65	Functional evolution of the TICAM-1 pathway for extrinsic RNA sensing. <i>Immunological Reviews</i> , 2009 , 227, 44-53	11.3	57
64	PolyI:C-Induced, TLR3/RIP3-Dependent Necroptosis Backs Up Immune Effector-Mediated Tumor Elimination In Vivo. <i>Cancer Immunology Research</i> , 2015 , 3, 902-14	12.5	55
63	Cross-priming for antitumor CTL induced by soluble Ag + polyI:C depends on the TICAM-1 pathway in mouse CD11c(+)/CD8(+) dendritic cells. <i>Onc Immunology</i> , 2012 , 1, 581-592	7.2	54
62	Ubiquitin-mediated modulation of the cytoplasmic viral RNA sensor RIG-I. <i>Journal of Biochemistry</i> , 2012 , 151, 5-11	3.1	54
61	Regulation of RIG-I Activation by K63-Linked Polyubiquitination. <i>Frontiers in Immunology</i> , 2017 , 8, 1942	8.4	44
60	RIOK3-mediated phosphorylation of MDA5 interferes with its assembly and attenuates the innate immune response. <i>Cell Reports</i> , 2015 , 11, 192-200	10.6	43
59	TICAM-1 and TICAM-2: toll-like receptor adapters that participate in induction of type 1 interferons. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 524-9	5.6	41
58	STING in tumor and host cells cooperatively work for NK cell-mediated tumor growth retardation. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 1764-71	3.4	39
57	TLR3/TICAM-1 signaling in tumor cell RIP3-dependent necroptosis. <i>Onc Immunology</i> , 2012 , 1, 917-923	7.2	38
56	Accessory Factors of Cytoplasmic Viral RNA Sensors Required for Antiviral Innate Immune Response. <i>Frontiers in Immunology</i> , 2016 , 7, 200	8.4	37
55	Recognition of Viral RNA by Pattern Recognition Receptors in the Induction of Innate Immunity and Excessive Inflammation During Respiratory Viral Infections. <i>Viral Immunology</i> , 2017 , 30, 408-420	1.7	34
54	A molecular mechanism for Toll-IL-1 receptor domain-containing adaptor molecule-1-mediated IRF-3 activation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20128-36	5.4	33
53	Pattern recognition receptors of innate immunity and their application to tumor immunotherapy. <i>Cancer Science</i> , 2010 , 101, 313-20	6.9	31
52	Biphasic function of TLR3 adjuvant on tumor and spleen dendritic cells promotes tumor T cell infiltration and regression in a vaccine therapy. <i>Onc Immunology</i> , 2016 , 5, e1188244	7.2	30
51	Myeloid-derived suppressor cells confer tumor-suppressive functions on natural killer cells via polyinosinic:polycytidylic acid treatment in mouse tumor models. <i>Journal of Innate Immunity</i> , 2014 , 6, 293-305	6.9	30
50	INAM plays a critical role in IFN- γ production by NK cells interacting with polyinosinic-polycytidylic acid-stimulated accessory cells. <i>Journal of Immunology</i> , 2014 , 193, 5199-207	5.3	29
49	Cell type-specific subcellular localization of phospho-TBK1 in response to cytoplasmic viral DNA. <i>PLoS ONE</i> , 2013 , 8, e83639	3.7	28

48	Strain-to-strain difference of V protein of measles virus affects MDA5-mediated IFN- β -inducing potential. <i>Molecular Immunology</i> , 2011 , 48, 497-504	4.3	28
47	HTLV-1 Tax Induces Formation of the Active Macromolecular IKK Complex by Generating Lys63- and Met1-Linked Hybrid Polyubiquitin Chains. <i>PLoS Pathogens</i> , 2017 , 13, e1006162	7.6	26
46	A short consensus repeat-containing complement regulatory protein of lamprey that participates in cleavage of lamprey complement 3. <i>Journal of Immunology</i> , 2004 , 173, 1118-28	5.3	26
45	Interferon-stimulated gene of 20 kDa protein (ISG20) degrades RNA of hepatitis B virus to impede the replication of HBV in vitro and in vivo. <i>Oncotarget</i> , 2016 , 7, 68179-68193	3.3	24
44	MicroRNA-451a in extracellular, blood-resident vesicles attenuates macrophage and dendritic cell responses to influenza whole-virus vaccine. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18585-18600	5.4	24
43	Functional interfaces between TICAM-2/TRAM and TICAM-1/TRIF in TLR4 signaling. <i>Biochemical Society Transactions</i> , 2017 , 45, 929-935	5.1	23
42	Cyclin-dependent kinase promotes formation of the synaptonemal complex in yeast meiosis. <i>Genes To Cells</i> , 2010 , 15, 1036-50	2.3	21
41	Development of mouse hepatocyte lines permissive for hepatitis C virus (HCV). <i>PLoS ONE</i> , 2011 , 6, e21284	3.7	20
40	RIG-I-Like Receptor-Mediated Recognition of Viral Genomic RNA of Severe Acute Respiratory Syndrome Coronavirus-2 and Viral Escape From the Host Innate Immune Responses. <i>Frontiers in Immunology</i> , 2021 , 12, 700926	8.4	18
39	IPS-1 is essential for type III IFN production by hepatocytes and dendritic cells in response to hepatitis C virus infection. <i>Journal of Immunology</i> , 2014 , 192, 2770-7	5.3	17
38	Links between recognition and degradation of cytoplasmic viral RNA in innate immune response. <i>Reviews in Medical Virology</i> , 2016 , 26, 90-101	11.7	17
37	The MyD88 pathway in plasmacytoid and CD4+ dendritic cells primarily triggers type I IFN production against measles virus in a mouse infection model. <i>Journal of Immunology</i> , 2013 , 191, 4740-7	5.3	16
36	Aging-Associated Extracellular Vesicles Contain Immune Regulatory microRNAs Alleviating Hyperinflammatory State and Immune Dysfunction in the Elderly. <i>iScience</i> , 2020 , 23, 101520	6.1	15
35	Recent Advances and Contradictions in the Study of the Individual Roles of Ubiquitin Ligases That Regulate RIG-I-Like Receptor-Mediated Antiviral Innate Immune Responses. <i>Frontiers in Immunology</i> , 2020 , 11, 1296	8.4	15
34	An embryo-specific expressing TGF- β -family protein, growth-differentiation factor 3 (GDF3), augments progression of B16 melanoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2010 , 29, 135	12.8	15
33	Attenuation of the Innate Immune Response against Viral Infection Due to ZNF598-Promoted Binding of FAT10 to RIG-I. <i>Cell Reports</i> , 2019 , 28, 1961-1970.e4	10.6	14
32	DNAJB1/HSP40 Suppresses Melanoma Differentiation-Associated Gene 5-Mitochondrial Antiviral Signaling Protein Function in Conjunction with HSP70. <i>Journal of Innate Immunity</i> , 2018 , 10, 44-55	6.9	13
31	Dendritic cell subsets involved in type I IFN induction in mouse measles virus infection models. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 53, 329-33	5.6	13

30	A MAVS/TICAM-1-independent interferon-inducing pathway contributes to regulation of hepatitis B virus replication in the mouse hydrodynamic injection model. <i>Journal of Innate Immunity</i> , 2015 , 7, 47-58	6.9	13
29	Regulator of complement activation (RCA) locus in chicken: identification of chicken RCA gene cluster and functional RCA proteins. <i>Journal of Immunology</i> , 2005 , 175, 1724-34	5.3	13
28	Development of mouse models for analysis of human virus infections. <i>Microbiology and Immunology</i> , 2017 , 61, 107-113	2.7	12
27	Multi-step regulation of interferon induction by hepatitis C virus. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013 , 61, 127-38	4	10
26	Zyxin stabilizes RIG-I and MAVS interactions and promotes type I interferon response. <i>Scientific Reports</i> , 2017 , 7, 11905	4.9	10
25	Evolution of the DEAD box helicase family in chicken: chickens have no DHX9 ortholog. <i>Microbiology and Immunology</i> , 2015 , 59, 633-40	2.7	10
24	Interferon (IFN) and Cellular Immune Response Evoked in RNA-Pattern Sensing During Infection with Hepatitis C Virus (HCV). <i>Sensors</i> , 2015 , 15, 27160-73	3.8	10
23	Regulator of complement activation (RCA) gene cluster in <i>Xenopus tropicalis</i> . <i>Immunogenetics</i> , 2009 , 61, 371-84	3.2	10
22	Recombinant interleukin-12 and interleukin-18 antitumor therapy in a guinea-pig hepatoma cell implant model. <i>Cancer Science</i> , 2007 , 98, 1936-42	6.9	10
21	cGAMP Promotes Germinal Center Formation and Production of IgA in Nasal-Associated Lymphoid Tissue. <i>Medical Sciences (Basel, Switzerland)</i> , 2017 , 5,	3.3	8
20	Activation of TLR3 and its adaptor TICAM-1 increases miR-21 levels in extracellular vesicles released from human cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 500, 744-750	3.4	8
19	Immune-regulatory microRNA expression levels within circulating extracellular vesicles correspond with the appearance of local symptoms after seasonal flu vaccination. <i>PLoS ONE</i> , 2019 , 14, e0219510	3.7	8
18	MAVS-dependent IRF3/7 bypass of interferon induction restricts the response to measles infection in CD150Tg mouse bone marrow-derived dendritic cells. <i>Molecular Immunology</i> , 2014 , 57, 100-107	4.3	7
17	Oligomerized TICAM-1 (TRIF) in the cytoplasm recruits nuclear BS69 to enhance NF-kappaB activation and type I IFN induction. <i>European Journal of Immunology</i> , 2009 , 39, 3469-76	6.1	7
16	Nucleic Acid Sensors Involved in the Recognition of HBV in the Liver-Specific Transfection Mouse Models-Pattern Recognition Receptors and Sensors for HBV. <i>Medical Sciences (Basel, Switzerland)</i> , 2015 , 3, 16-24	3.3	6
15	Toll-IL-1-receptor-containing adaptor molecule-1: a signaling adaptor linking innate immunity to adaptive immunity. <i>Progress in Molecular Biology and Translational Science</i> , 2013 , 117, 487-510	4	6
14	Identification of a Regulatory Acidic Motif as the Determinant of Membrane Localization of TICAM-2. <i>Journal of Immunology</i> , 2015 , 195, 4456-65	5.3	4
13	Aureobasidium pullulans-cultured fluid induces IL-18 production, leading to Th1-polarization during influenza A virus infection. <i>Journal of Biochemistry</i> , 2018 , 163, 31-38	3.1	4

12	The role of macrophages in anti-tumor immune responses: pathological significance and potential as therapeutic targets. <i>Human Cell</i> , 2021 , 34, 1031-1039	4.5	3
11	Circulating Extracellular Vesicles Carry Immune Regulatory miRNAs and Regulate Vaccine Efficacy and Local Inflammatory Response After Vaccination. <i>Frontiers in Immunology</i> , 2021 , 12, 685344	8.4	3
10	TICAM-1 is dispensable in STING-mediated innate immune responses in myeloid immune cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 499, 985-991	3.4	1
9	The dataset of proteins specifically interacted with activated TICAM-1. <i>Data in Brief</i> , 2016 , 8, 697-9	1.2	1
8	Double-stranded RNA analog and type I interferon regulate expression of Trem paired receptors in murine myeloid cells. <i>BMC Immunology</i> , 2016 , 17, 9	3.7	1
7	Cytoplasmic dsRNA induces the expression of and mRNAs in differentiated human cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18969-18979	5.4	1
6	Circulating extracellular vesicle microRNAs associated with adverse reactions, proinflammatory cytokine, and antibody production after COVID-19 vaccination.. <i>Npj Vaccines</i> , 2022 , 7, 16	9.5	1
5	Cooperative methylation of human tRNA ^{3Lys} at positions A58 and U54 drives the early and late steps of HIV-1 replication. <i>Nucleic Acids Research</i> , 2021 , 49, 11855-11867	20.1	1
4	miR-451a levels rather than human papillomavirus vaccine administration is associated with the severity of murine experimental autoimmune encephalomyelitis. <i>Scientific Reports</i> , 2021 , 11, 9369	4.9	0
3	Export of RNA-derived modified nucleosides by equilibrative nucleoside transporters defines the magnitude of autophagy response and Zika virus replication. <i>RNA Biology</i> , 2021 , 1-18	4.8	0
2	Resistance to chemical carcinogenesis induction via a dampened inflammatory response in naked mole-rats.. <i>Communications Biology</i> , 2022 , 5, 287	6.7	0
1	Subtilase cytotoxin from Shiga-toxigenic impairs the inflammasome and exacerbates enteropathogenic bacterial infection.. <i>IScience</i> , 2022 , 25, 104050	6.1	0