

Hideyuki Yanai

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	10,944 citations	35 h-index	63 g-index
63 ext. papers	12,204 ext. citations	13.7 avg, IF	5.72 L-index

#	Paper	IF	Citations
62	IRF-7 is the master regulator of type-I interferon-dependent immune responses. <i>Nature</i> , 2005 , 434, 772-7	50.4	1689
61	DAI (DLM-1/ZBP1) is a cytosolic DNA sensor and an activator of innate immune response. <i>Nature</i> , 2007 , 448, 501-5	50.4	1251
60	The IRF family transcription factors in immunity and oncogenesis. <i>Annual Review of Immunology</i> , 2008 , 26, 535-84	34.7	877
59	Integral role of IRF-5 in the gene induction programme activated by Toll-like receptors. <i>Nature</i> , 2005 , 434, 243-9	50.4	776
58	Spatiotemporal regulation of MyD88-IRF-7 signalling for robust type-I interferon induction. <i>Nature</i> , 2005 , 434, 1035-40	50.4	731
57	Integration of interferon-alpha/beta signalling to p53 responses in tumour suppression and antiviral defence. <i>Nature</i> , 2003 , 424, 516-23	50.4	706
56	HMGB proteins function as universal sentinels for nucleic-acid-mediated innate immune responses. <i>Nature</i> , 2009 , 462, 99-103	50.4	494
55	Interferon signalling network in innate defence. <i>Cellular Microbiology</i> , 2006 , 8, 907-22	3.9	435
54	Role of a transductional-transcriptional processor complex involving MyD88 and IRF-7 in Toll-like receptor signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15416-21	11.5	416
53	Negative regulation of Toll-like-receptor signaling by IRF-4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15989-94	11.5	311
52	Selective contribution of IFN-alpha/beta signaling to the maturation of dendritic cells induced by double-stranded RNA or viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10872-7	11.5	310
51	Regulation of the type I IFN induction: a current view. <i>International Immunology</i> , 2005 , 17, 1367-78	4.9	272
50	Regulation of innate immune responses by DAI (DLM-1/ZBP1) and other DNA-sensing molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5477-82	11.5	237
49	Evidence for licensing of IFN-gamma-induced IFN regulatory factor 1 transcription factor by MyD88 in Toll-like receptor-dependent gene induction program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15136-41	11.5	233
48	Regulation of immunity and oncogenesis by the IRF transcription factor family. <i>Cancer Immunology, Immunotherapy</i> , 2010 , 59, 489-510	7.4	212
47	A critical link between Toll-like receptor 3 and type II interferon signaling pathways in antiviral innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 20446-51	11.5	163
46	Role of IFN regulatory factor 5 transcription factor in antiviral immunity and tumor suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3402-7	11.5	162

45	The IRF family of transcription factors: Inception, impact and implications in oncogenesis. <i>Onc Immunology</i> , 2012 , 1, 1376-1386	7.2	144
44	Conditional ablation of HMGB1 in mice reveals its protective function against endotoxemia and bacterial infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20699-704	11.5	130
43	The Interferon (IFN) Class of Cytokines and the IFN Regulatory Factor (IRF) Transcription Factor Family. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	120
42	Recognition of tumor cells by Dectin-1 orchestrates innate immune cells for anti-tumor responses. <i>ELife</i> , 2014 , 3, e04177	8.9	115
41	High-mobility group box family of proteins: ligand and sensor for innate immunity. <i>Trends in Immunology</i> , 2012 , 33, 633-40	14.4	113
40	Cross-interference of RLR and TLR signaling pathways modulates antibacterial T cell responses. <i>Nature Immunology</i> , 2012 , 13, 659-66	19.1	107
39	A selective contribution of the RIG-I-like receptor pathway to type I interferon responses activated by cytosolic DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17870-5	11.5	86
38	PGE2 induced in and released by dying cells functions as an inhibitory DAMP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3844-9	11.5	79
37	Contribution of IRF5 in B cells to the development of murine SLE-like disease through its transcriptional control of the IgG2a locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10154-9	11.5	68
36	A solid phase extraction using a chelate resin immobilizing carboxymethylated pentaethylenehexamine for separation and preconcentration of trace elements in water samples. <i>Talanta</i> , 2009 , 79, 146-52	6.2	64
35	Lyn Kinase Suppresses the Transcriptional Activity of IRF5 in the TLR-MyD88 Pathway to Restrain the Development of Autoimmunity. <i>Immunity</i> , 2016 , 45, 319-32	32.3	58
34	A cell-type-specific requirement for IFN regulatory factor 5 (IRF5) in Fas-induced apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2556-61	11.5	55
33	Regulation of the cytosolic DNA-sensing system in innate immunity: a current view. <i>Current Opinion in Immunology</i> , 2009 , 21, 17-22	7.8	51
32	The innate immune receptor Dectin-2 mediates the phagocytosis of cancer cells by Kupffer cells for the suppression of liver metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14097-14102	11.5	48
31	Critical role for constitutive type I interferon signaling in the prevention of cellular transformation. <i>Cancer Science</i> , 2009 , 100, 449-56	6.9	46
30	Suppression of immune responses by nonimmunogenic oligodeoxynucleotides with high affinity for high-mobility group box proteins (HMGBs). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11542-7	11.5	45
29	Requirement of full TCR repertoire for regulatory T cells to maintain intestinal homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12770-5	11.5	41
28	Revisiting the role of IRF3 in inflammation and immunity by conditional and specifically targeted gene ablation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5253-5258	11.5	40

27	IRF3 regulates cardiac fibrosis but not hypertrophy in mice during angiotensin II-induced hypertension. <i>FASEB Journal</i> , 2011 , 25, 1531-43	0.9	34
26	Essential contribution of IRF3 to intestinal homeostasis and microbiota-mediated Tslp gene induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21016-21	11.5	32
25	Gallbladder-derived surfactant protein D regulates gut commensal bacteria for maintaining intestinal homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10178-10183	11.5	26
24	The ASK family kinases differentially mediate induction of type I interferon and apoptosis during the antiviral response. <i>Science Signaling</i> , 2015 , 8, ra78	8.8	20
23	Inhibitor-assisted refolding of protease: a protease inhibitor as an intramolecular chaperone. <i>FEBS Letters</i> , 2005 , 579, 4430-6	3.8	20
22	Chelating fibers prepared with a wet spinning technique using a mixture of a viscose solution and a polymer ligand for the separation of metal ions in an aqueous solution. <i>Journal of Hazardous Materials</i> , 2012 , 203-204, 370-3	12.8	18
21	Generation of mice deficient in RNA-binding motif protein 3 (RBM3) and characterization of its role in innate immune responses and cell growth. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 411, 7-13	3.4	18
20	Regulation of cooperative function of the Il12b enhancer and promoter by the interferon regulatory factors 3 and 5. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 95-100	3.4	15
19	Beneficial innate signaling interference for antibacterial responses by a Toll-like receptor-mediated enhancement of the MKP-IRF3 axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19884-9	11.5	14
18	Identification of U11snRNA as an endogenous agonist of TLR7-mediated immune pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23653-23661	11.5	11
17	Novel pegylated interferon- α s strong suppressor of the malignant ascites in a peritoneal metastasis model of human cancer. <i>Cancer Science</i> , 2017 , 108, 581-589	6.9	10
16	Orchestration of myeloid-derived suppressor cells in the tumor microenvironment by ubiquitous cellular protein TCTP released by tumor cells. <i>Nature Immunology</i> , 2021 , 22, 947-957	19.1	8
15	Novel chemical compound SINCRO with dual function in STING-type I interferon and tumor cell death pathways. <i>Cancer Science</i> , 2018 , 109, 2687-2696	6.9	6
14	IRF family transcription factors in type I interferon induction. <i>International Congress Series</i> , 2005 , 1285, 104-113		6
13	Signal-transducing innate receptors in tumor immunity. <i>Cancer Science</i> , 2021 , 112, 2578-2591	6.9	4
12	Genetic and chemical inhibition of IRF5 suppresses pre-existing mouse lupus-like disease. <i>Nature Communications</i> , 2021 , 12, 4379	17.4	4
11	Effects of hydrophobic amino acid substitution in Pleurotus ostreatus proteinase A inhibitor 1 on its structure and functions as protease inhibitor and intramolecular chaperone. <i>Protein Engineering, Design and Selection</i> , 2007 , 20, 211-7	1.9	3
10	HMGB1-mediated chromatin remodeling attenuates gene expression for the protection from allergic contact dermatitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3

9	Antitumor abscopal effects in mice induced by normal tissue irradiation using pulsed streamer discharge plasma. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 17LT01	3	2
8	Fine-tuning type I IFN signaling: A new chapter in the IFN saga. <i>Cell Research</i> , 2017 , 27, 1407-1408	24.7	1
7	Identification and characterization of a novel Enterococcus bacteriophage with potential to ameliorate murine colitis. <i>Scientific Reports</i> , 2021 , 11, 20231	4.9	1
6	Potential of Carboxymethylated Polyallylamine as a Functional Group on Chelating Resin for Solid-Phase Extraction of Trace Elements. <i>Analytical Sciences</i> , 2020 , 36, 583-588	1.7	1
5	The impact of damage-associated molecules released from canine tumor cells on gene expression in macrophages. <i>Scientific Reports</i> , 2021 , 11, 8525	4.9	1
4	siRNA-loaded biodegradable lipid nanoparticles ameliorate concanavalin A-induced liver injury. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 25, 708-715	10.7	1
3	Damage-associated molecular patterns and Toll-like receptors in the tumor immune microenvironment. <i>International Immunology</i> , 2021 , 33, 841-846	4.9	0
2	Innate Immune Receptors in the Regulation of Tumor Immunity 2018 , 407-427		
1	Innate Immune Receptor Signaling and IRF Family of Transcription Factors: Good Deeds and Misdeeds in Oncogenesis 2015 , 85-101		