

Katsuaki Hoshino

List of Publications by Year in descending order

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73
papers

27,232
citations

57719

44
h-index

76872

74
g-index

76
all docs

76
docs citations

76
times ranked

23220
citing authors

#	ARTICLE	IF	CITATIONS
1	A Toll-like receptor recognizes bacterial DNA. <i>Nature</i> , 2000, 408, 740-745.	13.7	5,827
2	Differential Roles of TLR2 and TLR4 in Recognition of Gram-Negative and Gram-Positive Bacterial Cell Wall Components. <i>Immunity</i> , 1999, 11, 443-451.	6.6	3,040
3	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. <i>Science</i> , 2003, 301, 640-643.	6.0	2,808
4	Small anti-viral compounds activate immune cells via the TLR7 MyD88-dependent signaling pathway. <i>Nature Immunology</i> , 2002, 3, 196-200.	7.0	2,290
5	Cutting Edge: Role of Toll-Like Receptor 1 in Mediating Immune Response to Microbial Lipoproteins. <i>Journal of Immunology</i> , 2002, 169, 10-14.	0.4	1,186
6	Cutting Edge: A Novel Toll/IL-1 Receptor Domain-Containing Adapter That Preferentially Activates the IFN- β Promoter in the Toll-Like Receptor Signaling. <i>Journal of Immunology</i> , 2002, 169, 6668-6672.	0.4	1,123
7	Lipopolysaccharide Stimulates the MyD88-Independent Pathway and Results in Activation of IFN-Regulatory Factor 3 and the Expression of a Subset of Lipopolysaccharide-Inducible Genes. <i>Journal of Immunology</i> , 2001, 167, 5887-5894.	0.4	986
8	Cutting Edge: TLR2-Deficient and MyD88-Deficient Mice Are Highly Susceptible to <i>Staphylococcus aureus</i> Infection. <i>Journal of Immunology</i> , 2000, 165, 5392-5396.	0.4	983
9	TRAM is specifically involved in the Toll-like receptor 4-mediated MyD88-independent signaling pathway. <i>Nature Immunology</i> , 2003, 4, 1144-1150.	7.0	919
10	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. <i>Nature</i> , 2002, 420, 324-329.	13.7	910
11	Cutting Edge: Preferentially the <i>D</i> -Stereoisomer of the Mycoplasmal Lipopeptide Macrophage-Activating Lipopeptide-2 Activates Immune Cells Through a Toll-Like Receptor 2- and MyD88-Dependent Signaling Pathway. <i>Journal of Immunology</i> , 2000, 164, 554-557.	0.4	550
12	The Roles of Two $\text{I}\kappa\text{B}$ Kinase-related Kinases in Lipopolysaccharide and Double Stranded RNA Signaling and Viral Infection. <i>Journal of Experimental Medicine</i> , 2004, 199, 1641-1650.	4.2	536
13	Endotoxin-Induced Maturation of MyD88-Deficient Dendritic Cells. <i>Journal of Immunology</i> , 2001, 166, 5688-5694.	0.4	445
14	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein $\text{I}\kappa\text{B}\beta$. <i>Nature</i> , 2004, 430, 218-222.	13.7	445
15	Immune Cell Activation by Bacterial CpG-DNA through Myeloid Differentiation Marker 88 and Tumor Necrosis Factor Receptor-Associated Factor (Trif)6. <i>Journal of Experimental Medicine</i> , 2000, 192, 595-600.	4.2	434
16	IL-18, although antiallergic when administered with IL-12, stimulates IL-4 and histamine release by basophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13962-13966.	3.3	400
17	$\text{I}\kappa\text{B}$ kinase- β is critical for interferon- β production induced by Toll-like receptors 7 and 9. <i>Nature</i> , 2006, 440, 949-953.	13.7	325
18	Cellular responses to bacterial cell wall components are mediated through MyD88-dependent signaling cascades. <i>International Immunology</i> , 2000, 12, 113-117.	1.8	291

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19	Critical Roles of Myeloid Differentiation Factor 88-Dependent Proinflammatory Cytokine Release in Early Phase Clearance of <i>Listeria monocytogenes</i> in Mice. <i>Journal of Immunology</i> , 2002, 169, 3863-3868.	0.4	265
20	Differential involvement of IFN- λ in Toll-like receptor-stimulated dendritic cell activation. <i>International Immunology</i> , 2002, 14, 1225-1231.	1.8	264
21	Development and evaluation of a multiplex PCR assay for rapid detection of toxigenic <i>Vibrio cholerae</i> O1 and O139. <i>FEMS Immunology and Medical Microbiology</i> , 1998, 20, 201-207.	2.7	247
22	Lipopolysaccharide-Induced IL-18 Secretion from Murine Kupffer Cells Independently of Myeloid Differentiation Factor 88 That Is Critically Involved in Induction of Production of IL-12 and IL-1 β . <i>Journal of Immunology</i> , 2001, 166, 2651-2657.	0.4	222
23	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. <i>Nature Immunology</i> , 2012, 13, 729-736.	7.0	196
24	The Absence of Interleukin 1 Receptor-Related T1/St2 Does Not Affect T Helper Cell Type 2 Development and Its Effector Function. <i>Journal of Experimental Medicine</i> , 1999, 190, 1541-1548.	4.2	178
25	Endotoxin can induce MyD88-deficient dendritic cells to support Th2 cell differentiation. <i>International Immunology</i> , 2002, 14, 695-700.	1.8	176
26	Enhanced Apoptosis by Disruption of the STAT3-IRF3 Signaling Pathway in Epithelial Cells Induces Sjögren's Syndrome-like Autoimmune Disease. <i>Immunity</i> , 2013, 38, 450-460.	6.6	147
27	Contrasting Action of IL-12 and IL-18 in the Development of Dextran Sodium Sulphate Colitis in Mice. <i>Scandinavian Journal of Gastroenterology</i> , 2003, 38, 837-844.	0.6	142
28	Critical Roles of a Dendritic Cell Subset Expressing a Chemokine Receptor, XCR1. <i>Journal of Immunology</i> , 2013, 190, 6071-6082.	0.4	142
29	Single-Cell Imaging of Caspase-1 Dynamics Reveals an All-or-None Inflammasome Signaling Response. <i>Cell Reports</i> , 2014, 8, 974-982.	2.9	130
30	Imaging of the cross-presenting dendritic cell subsets in the skin-draining lymph node. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1044-1049.	3.3	125
31	Crucial roles of XCR1-expressing dendritic cells and the XCR1-XCL1 chemokine axis in intestinal immune homeostasis. <i>Scientific Reports</i> , 2016, 6, 23505.	1.6	113
32	Death-associated protein kinase 2 is a new calcium/calmodulin-dependent protein kinase that signals apoptosis through its catalytic activity. <i>Oncogene</i> , 1999, 18, 3471-3480.	2.6	112
33	Selective control of type I IFN induction by the Rac activator DOCK2 during TLR-mediated plasmacytoid dendritic cell activation. <i>Journal of Experimental Medicine</i> , 2010, 207, 721-730.	4.2	100
34	Interleukin 18 (IL-18) in synergy with IL-2 induces lethal lung injury in mice: a potential role for cytokines, chemokines, and natural killer cells in the pathogenesis of interstitial pneumonia. <i>Blood</i> , 2002, 99, 1289-1298.	0.6	87
35	Suppression of allergic reaction by λ -carrageenan: Toll-like receptor 4/MyD88-dependent and -independent modulation of immunity. <i>Clinical and Experimental Allergy</i> , 2003, 33, 249-258.	1.4	86
36	Spi-B is critical for plasmacytoid dendritic cell function and development. <i>Blood</i> , 2012, 120, 4733-4743.	0.6	85

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37	Induction of β -defensin 3 in keratinocytes stimulated by bacterial lipopeptides through toll-like receptor 2. <i>Microbes and Infection</i> , 2006, 8, 1513-1521.	1.0	63
38	Conservation of a chemokine system, XCR1 and its ligand, XCL1, between human and mice. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 756-761.	1.0	56
39	Limitation of immune tolerance—inducing thymic epithelial cell development by Spi-B—mediated negative feedback regulation. <i>Journal of Experimental Medicine</i> , 2014, 211, 2425-2438.	4.2	56
40	The genes responsible for O-antigen synthesis of <i>Vibrio cholerae</i> O139 are closely related to those of <i>Vibrio cholerae</i> O22. <i>Gene</i> , 1999, 237, 321-332.	1.0	54
41	Gamma Interferon (IFN- γ) and IFN- β -Inducing Cytokines Interleukin-12 (IL-12) and IL-18 Do Not Augment Infection-Stimulated Bone Resorption In Vivo. <i>Vaccine Journal</i> , 2004, 11, 106-110.	2.6	50
42	Immunoadjuvant effects of polyadenylic:polyuridylic acids through TLR3 and TLR7. <i>International Immunology</i> , 2008, 20, 1-9.	1.8	49
43	The role of Toll-like receptors and MyD88 in innate immune responses. <i>Journal of Endotoxin Research</i> , 2000, 6, 383-387.	2.5	47
44	Invariant NKT Cells Induce Plasmacytoid Dendritic Cell (DC) Cross-Talk with Conventional DCs for Efficient Memory CD8+ T Cell Induction. <i>Journal of Immunology</i> , 2013, 190, 5609-5619.	0.4	43
45	Heme ameliorates dextran sodium sulfate-induced colitis through providing intestinal macrophages with noninflammatory profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8418-8423.	3.3	38
46	Statins, inhibitors of 3-hydroxy-3-methylglutaryl-coenzyme A reductase, function as inhibitors of cellular and molecular components involved in type I interferon production. <i>Arthritis and Rheumatism</i> , 2010, 62, 2073-2085.	6.7	37
47	Cutting Edge: Critical Role of β Kinase β in TLR7/9-Induced Type I IFN Production by Conventional Dendritic Cells. <i>Journal of Immunology</i> , 2010, 184, 3341-3345.	0.4	34
48	Escherichia coliverotoxin 1 mediates apoptosis in human HCT116 colon cancer cells by inducing overexpression of the GADD family of genes and S phase arrest. <i>FEBS Letters</i> , 2005, 579, 6604-6610.	1.3	33
49	Effects of Sperm-Activating Peptide I on <i>Hemicentrotus pulcherrimus</i> Spermatozoa in High Potassium Sea Water. <i>Development Growth and Differentiation</i> , 1992, 34, 163-172.	0.6	31
50	Deletion of the Kinase Domain in Death-Associated Protein Kinase Attenuates Tubular Cell Apoptosis in Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 1826-1834.	3.0	28
51	Inhibitor of β kinase activity, BAY 11-7082, interferes with interferon regulatory factor 7 nuclear translocation and type I interferon production by plasmacytoid dendritic cells. <i>Arthritis Research and Therapy</i> , 2010, 12, R87.	1.6	24
52	Sequence Heterogeneity of the Ten rRNA Operons in <i>Clostridium perfringens</i> . <i>Systematic and Applied Microbiology</i> , 2001, 24, 149-156.	1.2	22
53	Normal Development of the Gut-Associated Lymphoid Tissue Except Peyer's Patch in MyD88-Deficient Mice. <i>Scandinavian Journal of Immunology</i> , 2003, 58, 620-627.	1.3	20
54	Nucleic acid sensing Toll-like receptors in dendritic cells. <i>Current Opinion in Immunology</i> , 2008, 20, 408-413.	2.4	20

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55	Plasma Galectin-9 Concentrations in Normal and Diseased Condition. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1856-1868.	1.1	20
56	The Primary and Higher Order Structures of Sea Urchin Ovoperoxidase as Determined by cDNA Cloning and Predicted by Homology Modeling. <i>Archives of Biochemistry and Biophysics</i> , 1999, 367, 173-184.	1.4	16
57	Antigen-specific cytotoxic T lymphocytes target airway CD103+ and CD11b+ dendritic cells to suppress allergic inflammation. <i>Mucosal Immunology</i> , 2016, 9, 229-239.	2.7	15
58	Prediction of the Coding Sequences of Mouse Homologues of KIAA Gene: IV. The Complete Nucleotide Sequences of 500 Mouse KIAA-homologous cDNAs Identified by Screening of Terminal Sequences of cDNA Clones Randomly Sampled from Size-Fractionated Libraries. <i>DNA Research</i> , 2004, 11, 205-218.	1.5	14
59	Cholera toxin B induces interleukin-1 β production from resident peritoneal macrophages through the pyrin inflammasome as well as the NLRP3 inflammasome. <i>International Immunology</i> , 2019, 31, 657-668.	1.8	13
60	A mRNA for Membrane Form of Guanylyl Cyclase Is Expressed Exclusively in the Testis of the Sea Urchin <i>Hemicentrotus pulcherrimus</i> . <i>Zoological Science</i> , 1996, 13, 285-294.	0.3	10
61	Differential Effects of the Egg Jelly Molecules FSG and SAP-I on Elevation of Intracellular Ca ²⁺ and pH in Sea Urchin Spermatozoa. (FSG/SAP-I/[Ca ²⁺]/pHi). <i>Development Growth and Differentiation</i> , 1992, 34, 403-411.	0.6	9
62	Deletion of the kinase domain from death-associated protein kinase enhances spatial memory in mice. <i>International Journal of Molecular Medicine</i> , 2006, 17, 869.	1.8	9
63	Transcription factor MafB-mediated inhibition of type I interferons in plasmacytoid dendritic cells. <i>International Immunology</i> , 2022, 34, 159-172.	1.8	6
64	The mechanism of action of Spi-B in the transcriptional activation of the interferon- β gene. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 477-482.	1.0	5
65	Development and evaluation of a multiplex PCR assay for rapid detection of toxigenic <i>Vibrio cholerae</i> O1 and O139. <i>FEMS Immunology and Medical Microbiology</i> , 1998, 20, 201-207.	2.7	5
66	Cyclic-AMP-Dependent Activation of an Inter-Phylum Hybrid Histone-Kinase Complex Reconstituted from Sea Urchin Sperm-Regulatory Subunits and Bovine Heart Catalytic Subunits. <i>FEBS Journal</i> , 1997, 243, 612-623.	0.2	4
67	In Vivo Ablation of a Dendritic Cell Subset Expressing the Chemokine Receptor XCR1. <i>Methods in Molecular Biology</i> , 2016, 1423, 247-253.	0.4	3
68	Deletion of the kinase domain in death-associated protein kinase attenuates renal tubular cell apoptosis in chronic obstructive uropathy. <i>International Journal of Molecular Medicine</i> , 2004, 13, 515.	1.8	2
69	Dephosphorylation of Autophosphorylated Regulatory Subunit of Sea Urchin Sperm cAMP-Dependent Histone Kinase by an Endogenous Protein Phosphatase. <i>Zoological Science</i> , 1996, 13, 711-718.	0.3	2
70	The kinase domain of death-associated protein kinase is inhibitory for tubulointerstitial fibrosis in chronic obstructive nephropathy. <i>International Journal of Molecular Medicine</i> , 2005, 15, 73.	1.8	1
71	Deletion of the kinase domain from death-associated protein kinase attenuates p53 expression in chronic obstructive uropathy. <i>International Journal of Molecular Medicine</i> , 2005, 16, 389.	1.8	1
72	Galectin-9 deficiency exacerbates lipopolysaccharide-induced hypothermia and kidney injury. <i>Clinical and Experimental Nephrology</i> , 2021, , 1.	0.7	0

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73	Characteristics of Dendritic Cell Responses to Nucleic Acids. , 2008, , 43-58.		0