Katsuaki Hoshino

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7416951/publications.pdf

Version: 2024-02-01

		57758	76900
73	27,232	44	74
papers	citations	h-index	g-index

76	76	76	23220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Toll-like receptor recognizes bacterial DNA. Nature, 2000, 408, 740-745.	27.8	5,827
2	Differential Roles of TLR2 and TLR4 in Recognition of Gram-Negative and Gram-Positive Bacterial Cell Wall Components. Immunity, 1999, 11, 443-451.	14.3	3,040
3	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. Science, 2003, 301, 640-643.	12.6	2,808
4	Small anti-viral compounds activate immune cells via the TLR7 MyD88â€“dependent signaling pathway. Nature Immunology, 2002, 3, 196-200.	14.5	2,290
5	Cutting Edge: Role of Toll-Like Receptor 1 in Mediating Immune Response to Microbial Lipoproteins. Journal of Immunology, 2002, 169, 10-14.	0.8	1,186
6	Cutting Edge: A Novel Toll/IL-1 Receptor Domain-Containing Adapter That Preferentially Activates the IFN-Î² Promoter in the Toll-Like Receptor Signaling. Journal of Immunology, 2002, 169, 6668-6672.	0.8	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. Journal of Immunology, 2001, 167, 5887-5894.	0.8	986
8	Cutting Edge: TLR2-Deficient and MyD88-Deficient Mice Are Highly Susceptible toStaphylococcus aureusInfection. Journal of Immunology, 2000, 165, 5392-5396.	0.8	983
9	TRAM is specifically involved in the Toll-like receptor 4â€“mediated MyD88-independent signaling pathway. Nature Immunology, 2003, 4, 1144-1150.	14.5	919
10	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. Nature, 2002, 420, 324-329.	27.8	910
11	Cutting Edge: Preferentially the R-Stereoisomer of the Mycoplasmal Lipopeptide Macrophage-Activating Lipopeptide-2 Activates Immune Cells Through a Toll-Like Receptor 2- and MyD88-Dependent Signaling Pathway. Journal of Immunology, 2000, 164, 554-557.	0.8	550
12	The Roles of Two IÎºB Kinase-related Kinases in Lipopolysaccharide and Double Stranded RNA Signaling and Viral Infection. Journal of Experimental Medicine, 2004, 199, 1641-1650.	8.5	536
13	Endotoxin-Induced Maturation of MyD88-Deficient Dendritic Cells. Journal of Immunology, 2001, 166, 5688-5694.	0.8	445
14	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein IÎºBÎ¶. Nature, 2004, 430, 218-222.	27.8	445
15	Immune Cell Activation by Bacterial Cpg-DNA through Myeloid Differentiation Marker 88 and Tumor Necrosis Factor Receptorâ€“Associated Factor (Traf)6. Journal of Experimental Medicine, 2000, 192, 595-600.	8.5	434
16	IL-18, although antiallergic when administered with IL-12, stimulates IL-4 and histamine release by basophils. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13962-13966.	7.1	400
17	IÎºB kinase-Î± is critical for interferon-Î± production induced by Toll-like receptors 7 and 9. Nature, 2006, 440, 949-953.	27.8	325
18	Cellular responses to bacterial cell wall components are mediated through MyD88-dependent signaling cascades. International Immunology, 2000, 12, 113-117.	4.0	291

#	Article	IF	Citations
19	Critical Roles of Myeloid Differentiation Factor 88-Dependent Proinflammatory Cytokine Release in Early Phase Clearance ofListeria monocytogenesin Mice. Journal of Immunology, 2002, 169, 3863-3868.	0.8	265
20	Differential involvement of IFN-Â in Toll-like receptor-stimulated dendritic cell activation. International Immunology, 2002, 14, 1225-1231.	4.0	264
21	Development and evaluation of a multiplex PCR assay for rapid detection of toxigenicVibrio choleraeO1 and O139. FEMS Immunology and Medical Microbiology, 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-1Î². Journal of Immunology, 2001, 166, 2651-2657.	0.8	222
23	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. Nature Immunology, 2012, 13, 729-736.	14.5	196
24	The Absence of Interleukin 1 Receptorâ€“Related T1/St2 Does Not Affect T Helper Cell Type 2 Development and Its Effector Function. Journal of Experimental Medicine, 1999, 190, 1541-1548.	8.5	178
25	Endotoxin can induce MyD88-deficient dendritic cells to support Th2 cell differentiation. International Immunology, 2002, 14, 695-700.	4.0	176
26	Enhanced Apoptosis by Disruption of the STAT3-IÎºB-Î¶ Signaling Pathway in Epithelial Cells Induces SjÃ¶grenâ€™s Syndrome-like Autoimmune Disease. Immunity, 2013, 38, 450-460.	14.3	147
27	Contrasting Action of IL-12 and IL-18 in the Development of Dextran Sodium Sulphate Colitis in Mice. Scandinavian Journal of Gastroenterology, 2003, 38, 837-844.	1.5	142
28	Critical Roles of a Dendritic Cell Subset Expressing a Chemokine Receptor, XCR1. Journal of Immunology, 2013, 190, 6071-6082.	0.8	142
29	Single-Cell Imaging of Caspase-1 Dynamics Reveals an All-or-None Inflammasome Signaling Response. Cell Reports, 2014, 8, 974-982.	6.4	130
30	Imaging of the cross-presenting dendritic cell subsets in the skin-draining lymph node. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1044-1049.	7.1	125
31	Crucial roles of XCR1-expressing dendritic cells and the XCR1-XCL1 chemokine axis in intestinal immune homeostasis. Scientific Reports, 2016, 6, 23505.	3.3	113
32	Death-associated protein kinase 2 is a new calcium/calmodulin-dependent protein kinase that signals apoptosis through its catalytic activity. Oncogene, 1999, 18, 3471-3480.	5.9	112
33	Selective control of type I IFN induction by the Rac activator DOCK2 during TLR-mediated plasmacytoid dendritic cell activation. Journal of Experimental Medicine, 2010, 207, 721-730.	8.5	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. Blood, 2002, 99, 1289-1298.	1.4	87
35	Suppression of allergic reaction by Î»â€carrageenan: Tollâ€like receptor 4/MyD88â€dependent and â€independent modulation of immunity. Clinical and Experimental Allergy, 2003, 33, 249-258.	2.9	86
36	Spi-B is critical for plasmacytoid dendritic cell function and development. Blood, 2012, 120, 4733-4743.	1.4	85

#	Article	IF	Citations
37	Induction of Î²-defensin 3 in keratinocytes stimulated by bacterial lipopeptides through toll-like receptor 2. Microbes and Infection, 2006, 8, 1513-1521.	1.9	63
38	Conservation of a chemokine system, XCR1 and its ligand, XCL1, between human and mice. Biochemical and Biophysical Research Communications, 2010, 397, 756-761.	2.1	56
39	Limitation of immune toleranceâ€“inducing thymic epithelial cell development by Spi-Bâ€“mediated negative feedback regulation. Journal of Experimental Medicine, 2014, 211, 2425-2438.	8.5	56
40	The genes responsible for O-antigen synthesis of Vibrio cholerae O139 are closely related to those of Vibrio cholerae O22. Gene, 1999, 237, 321-332.	2.2	54
41	Gamma Interferon (IFN-Î³) and IFN-Î³-Inducing Cytokines Interleukin-12 (IL-12) and IL-18 Do Not Augment Infection-Stimulated Bone Resorption In Vivo. Vaccine Journal, 2004, 11, 106-110.	2.6	50
42	Immunoadjuvant effects of polyadenylic:polyuridylic acids through TLR3 and TLR7. International Immunology, 2008, 20, 1-9.	4.0	49
43	The role of Toll-like receptors and MyD88 in innate immune responses. Journal of Endotoxin Research, 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. Journal of Immunology, 2013, 190, 5609-5619.	0.8	43
45	Heme ameliorates dextran sodium sulfate-induced colitis through providing intestinal macrophages with noninflammatory profiles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8418-8423.	7.1	38
46	Statins, inhibitors of 3â€hydroxyâ€3â€methylglutarylâ€coenzyme A reductase, function as inhibitors of cellular and molecular components involved in type I interferon production. Arthritis and Rheumatism, 2010, 62, 2073-2085.	6.7	37
47	Cutting Edge: Critical Role of IÎºB Kinase Î± in TLR7/9-Induced Type I IFN Production by Conventional Dendritic Cells. Journal of Immunology, 2010, 184, 3341-3345.	0.8	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. FEBS Letters, 2005, 579, 6604-6610.	2.8	33
49	Effects of Sperm-Activating Peptide I on Hemicentrotus pulcherrimus Spermatozoa in High Potassium Sea Water. Development Growth and Differentiation, 1992, 34, 163-172.	1.5	31
50	Deletion of the Kinase Domain in Death-Associated Protein Kinase Attenuates Tubular Cell Apoptosis in Renal Ischemia-Reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2004, 15, 1826-1834.	6.1	28
51	Inhibitor of IÎºB kinase activity, BAY 11-7082, interferes with interferon regulatory factor 7 nuclear translocation and type I interferon production by plasmacytoid dendritic cells. Arthritis Research and Therapy, 2010, 12, R87.	3.5	24
52	Sequence Heterogeneity of the Ten rRNA Operons in Clostridium perfringens. Systematic and Applied Microbiology, 2001, 24, 149-156.	2.8	22
53	Normal Development of the Gut-Associated Lymphoid Tissue Except Peyer's Patch in MyD88-Deficient Mice. Scandinavian Journal of Immunology, 2003, 58, 620-627.	2.7	20
54	Nucleic acid sensing Toll-like receptors in dendritic cells. Current Opinion in Immunology, 2008, 20, 408-413.	5.5	20

#	Article	IF	Citations
55	Plasma Galectin-9 Concentrations in Normal and Diseased Condition. Cellular Physiology and Biochemistry, 2018, 50, 1856-1868.	1.6	20
56	The Primary and Higher Order Structures of Sea Urchin Ovoperoxidase as Determined by cDNA Cloning and Predicted by Homology Modeling. Archives of Biochemistry and Biophysics, 1999, 367, 173-184.	3.0	16
57	Antigen-specific cytotoxic T lymphocytes target airway CD103+ and CD11b+ dendritic cells to suppress allergic inflammation. Mucosal Immunology, 2016, 9, 229-239.	6.0	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. DNA Research, 2004, 11, 205-218.	3.4	14
59	Cholera toxin B induces interleukin-1Î² production from resident peritoneal macrophages through the pyrin inflammasome as well as the NLRP3 inflammasome. International Immunology, 2019, 31, 657-668.	4.0	13
60	A mRNA for Membrane Form of Guanylyl Cyclase Is Expressed Exclusively in the Testis of the Sea Urchin Hemicentrotus pulcherrimus. Zoological Science, 1996, 13, 285-294.	0.7	10
61	Differential Effects of the Egg Jelly Molecules FSG and SAP-I on Elevation of Intracellular Ca2+ and pH in Sea Urchin Spermatozoa. (FSG/SAP-I/[Ca2+]i/pHi). Development Growth and Differentiation, 1992, 34, 403-411.	1.5	9
62	Deletion of the kinase domain from death-associated protein kinase enhances spatial memory in mice. International Journal of Molecular Medicine, 2006, 17, 869.	4.0	9
63	Transcription factor MafB-mediated inhibition of type I interferons in plasmacytoid dendritic cells. International Immunology, 2022, 34, 159-172.	4.0	6
64	The mechanism of action of Spi-B in the transcriptional activation of the interferon-Î±4 gene. Biochemical and Biophysical Research Communications, 2020, 525, 477-482.	2.1	5
65	Development and evaluation of a multiplex PCR assay for rapid detection of toxigenic Vibrio cholerae O1 and O139. FEMS Immunology and Medical Microbiology, 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. FEBS Journal, 1997, 243, 612-623.	0.2	4
67	In Vivo Ablation of a Dendritic Cell Subset Expressing the Chemokine Receptor XCR1. Methods in Molecular Biology, 2016, 1423, 247-253.	0.9	3
68	Deletion of the kinase domain in death-associated protein kinase attenuates renal tubular cell apoptosis in chronic obstructive uropathy. International Journal of Molecular Medicine, 2004, 13, 515.	4.0	2
69	Dephosphorylation of Autophosphorylated Regulatory Subunit of Sea Urchin Sperm cAMP-Dependent Histone Kinase by an Endogenous Protein Phosphatase. Zoological Science, 1996, 13, 711-718.	0.7	2
70	The kinase domain of death-associated protein kinase is inhibitory for tubulointerstitial fibrosis in chronic obstructive nephropathy. International Journal of Molecular Medicine, 2005, 15, 73.	4.0	1
71	Deletion of the kinase domain from death-associated protein kinase attenuates p53 expression in chronic obstructive uropathy. International Journal of Molecular Medicine, 2005, 16, 389.	4.0	1
72	Galectin-9 deficiency exacerbates lipopolysaccharide-induced hypothermia and kidney injury. Clinical and Experimental Nephrology, 2021, , 1.	1.6	0

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