Masahiko Sugita

List of Publications by Year
in descending order

73 papers	4,864 citations	109137 35 h-index	91712 69 g-index
77 all docs	77 docs citations	77 times ranked	3640 citing authors

#	Article	IF	Citations
1	Murine CD1d-Restricted T Cell Recognition of Cellular Lipids. Immunity, 2000, 12, 211-221.	6.6	445
2	MICA Engagement by Human VÎ³2VÎ´2 T Cells Enhances Their Antigen-Dependent Effector Function. Immunity, 2001, 15, 83-93.	6.6	398
3	Self-Recognition of Cd1 by Î³/Î´ T Cells. Journal of Experimental Medicine, 2000, 191, 937-948.	4.2	345
4	Cytoplasmic Tail-Dependent Localization of CD1b Antigen-Presenting Molecules to MIICs. Science, 1996, 273, 349-352.	6.0	224
5	Separate Pathways for Antigen Presentation by CD1 Molecules. Immunity, 1999, 11, 743-752.	6.6	196
6	CD1-mediated Î³/Î´ T Cell Maturation of Dendritic Cells. Journal of Experimental Medicine, 2002, 196, 1575-1584.	4.2	194
7	Failure of Trafficking and Antigen Presentation by CD1 in AP-3-Deficient Cells. Immunity, 2002, 16, 697-706.	6.6	163
8	The CD1 family of lipid antigen-presenting molecules. Trends in Immunology, 1998, 19, 362-368.	7.5	161
9	Saposin C is required for lipid presentation by human CD1b. Nature Immunology, 2004, 5, 169-174.	7.0	160
10	The Tyrosine-Containing Cytoplasmic Tail of CD1b Is Essential for Its Efficient Presentation of Bacterial Lipid Antigens. Immunity, 1998, 8, 341-351.	6.6	143
11	CD1a on Langerhans cells controls inflammatory skin disease. Nature Immunology, 2016, 17, 1159-1166.	7.0	134
12	Clonal V alpha 12.1+ T cell expansions in the peripheral blood of rheumatoid arthritis patients.. Journal of Experimental Medicine, 1993, 177, 1623-1631.	4.2	129
13	CD1c molecules broadly survey the endocytic system. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8445-8450.	3.3	107
14	Immunoreactive growth hormone (GH) secretion by human lymphocytes: Augmented release by exogenous GH. Biochemical and Biophysical Research Communications, 1990, 168, 396-401.	1.0	106
15	Induction of CD1-Restricted Immune Responses in Guinea Pigs by Immunization with Mycobacterial Lipid Antigens. Journal of Immunology, 2002, 169, 330-339.	0.4	100
16	Low expression level but potent antigen presenting function of CD1d on monocyte lineage cells. European Journal of Immunology, 2000, 30, 3468-3477.	1.6	97
17	An unstable beta 2-microglobulin: major histocompatibility complex class I heavy chain intermediate dissociates from calnexin and then is stabilized by binding peptide.. Journal of Experimental Medicine, 1994, 180, 2163-2171.	4.2	93
18	Association of the Invariant Chain with Major Histocompatibility Complex Class I Molecules Directs Trafficking to Endocytic Compartments. Journal of Biological Chemistry, 1995, 270, 1443-1448.	1.6	88

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19	CD1 Molecules Efficiently Present Antigen in Immature Dendritic Cells and Traffic Independently of MHC Class II During Dendritic Cell Maturation. Journal of Immunology, 2002, 169, 4770-4777.	0.4	86
20	Lysosomal Localization of Murine CD1d Mediated by AP-3 Is Necessary for NK T Cell Development. Journal of Immunology, 2003, 171, 4149-4155.	0.4	85
21	Enhancing effect of 17Î²-estradiol on human NK cell activity. Immunology Letters, 1993, 36, 31-35.	1.1	74
22	Cutting Edge: Major CD8 T Cell Response to Live Bacillus Calmette-GuÃ©rin Is Mediated by CD1 Molecules. Journal of Immunology, 2003, 170, 5345-5348.	0.4	74
23	Glycerol Monomycolate Is a Novel Ligand for the Human, but Not Mouse Macrophage Inducible C-type Lectin, Mincle. Journal of Biological Chemistry, 2014, 289, 15405-15412.	1.6	73
24	Mechanisms of VÎ´1 Î³Î´ T Cell Activation by Microbial Components. Journal of Immunology, 2004, 172, 6578-6586.	0.4	72
25	Breast milk macrophages spontaneously produce granulocyte-macrophage colony-stimulating factor and differentiate into dendritic cells in the presence of exogenous interleukin-4 alone. Immunology, 2003, 108, 189-195.	2.0	69
26	Down-regulation of Toll-like receptor expression in monocyte-derived Langerhans cell-like cells: implications of low-responsiveness to bacterial components in the epidermal Langerhans cells. Biochemical and Biophysical Research Communications, 2003, 306, 674-679.	1.0	66
27	Characterization of guinea-pig group 1 CD1 proteins. Immunology, 2002, 106, 159-172.	2.0	61
28	New insights into pathways for CD1-mediated antigen presentation. Current Opinion in Immunology, 2004, 16, 90-95.	2.4	55
29	Epidermal Langerhans Cells Efficiently Mediate CD1a-Dependent Presentation of Microbial Lipid Antigens to T Cells. Journal of Investigative Dermatology, 2003, 121, 517-521.	0.3	51
30	Mycolyltransferase-mediated Glycolipid Exchange in Mycobacteria. Journal of Biological Chemistry, 2008, 283, 28835-28841.	1.6	47
31	Evasion of peptide, but not lipid antigen presentation, through pathogen-induced dendritic cell maturation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11281-11286.	3.3	46
32	Endogenously expressed HIV-1 nef down-regulates antigen-presenting molecules, not only class I MHC but also CD1a, in immature dendritic cells. Virology, 2004, 326, 79-89.	1.1	45
33	CD1 and Major Histocompatibility Complex II Molecules Follow a Different Course during Dendritic Cell Maturation. Molecular Biology of the Cell, 2003, 14, 3378-3388.	0.9	42
34	Pathways for Lipid Antigen Presentation by CD1 Molecules: Nowhere for Intracellular Pathogens to Hide. Traffic, 2000, 1, 295-300.	1.3	41
35	CD1â€"A New Paradigm for Antigen Presentation and T Cell Activation. Clinical Immunology and Immunopathology, 1998, 87, 8-14.	2.1	39
36	Neutrophils and the S100A9 protein critically regulate granuloma formation. Blood Advances, 2016, 1, 184-192.	2.5	37

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37	TREM2 is a receptor for non-glycosylated mycolic acids of mycobacteria that limits anti-mycobacterial macrophage activation. Nature Communications, 2021, 12, 2299.	5.8	32
38	Rifampin Increases Cytokine-Induced Expression of the CD1b Molecule in Human Peripheral Blood Monocytes. Antimicrobial Agents and Chemotherapy, 1998, 42, 550-554.	1.4	31
39	A Microbial Glycolipid Functions as a New Class of Target Antigen for Delayed-type Hypersensitivity. Journal of Biological Chemistry, 2011, 286, 16800-16806.	1.6	31
40	Mycoketide: A CD1c-Presented Antigen with Important Implications in Mycobacterial Infection. Clinical and Developmental Immunology, 2012, 2012, 1-7.	3.3	29
41	T lymphocyte recognition of human group 1 CD1 molecules: Implications for innate and acquired immunity. Seminars in Immunology, 2000, 12, 511-516.	2.7	28
42	BCG vaccine elicits both T-cell mediated and humoral immune responses directed against mycobacterial lipid components. Vaccine, 2006, 24, 5700-5707.	1.7	28
43	Major T Cell Response to a Mycolyl Glycolipid Is Mediated by CD1c Molecules in Rhesus Macaques. Infection and Immunity, 2013, 81, 311-316.	1.0	25
44	Glycerol monomycolate, a latent tuberculosis-associated mycobacterial lipid, induces eosinophilic hypersensitivity responses in guinea pigs. Biochemical and Biophysical Research Communications, 2011, 409, 304-307.	1.0	24
45	Conservation of CD1 Intracellular Trafficking Patterns Between Mammalian Species. Journal of Immunology, 2002, 169, 6951-6958.	0.4	22
46	Extraction of human Langerhans cells: a method for isolation of epidermis-resident dendritic cells. Journal of Immunological Methods, 2001, 255, 83-91.	0.6	21
47	Influence of Mycobacterium bovis Bacillus Calmette Guèrin on In Vitro Induction of CD1 Molecules in Human Adherent Mononuclear Cells. Infection and Immunity, 2001, 69, 7461-7470.	1.0	21
48	Perforin-dependent killing of tumor cells by Vδ1Vγ1-bearing T-cells. Immunology Letters, 2003, 86, 113-119.	1.1	17
49	Crystal structure of the N-myristoylated lipopeptide-bound MHC class I complex. Nature Communications, 2016, 7, 10356.	5.8	16
50	Lipopeptides: a novel antigen repertoire presented by major histocompatibility complex class I molecules. Immunology, 2016, 149, 139-145.	2.0	16
51	Trans-species activation of human T cells by rhesus macaque CD1b molecules. Biochemical and Biophysical Research Communications, 2008, 377, 889-893.	1.0	15
52	Cutting Edge: Guillain-Barrè•Syndrome-Associated IgG Responses to Gangliosides Are Generated Independently of CD1 Function in Mice. Journal of Immunology, 2008, 180, 39-43.	0.4	15
53	Cutting Edge: T Cells Monitor N-Myristoylation of the Nef Protein in Simian Immunodeficiency Virus-Infected Monkeys. Journal of Immunology, 2011, 187, 608-612.	0.4	15
54	GM-CSF-Independent CD1a Expression in Epidermal Langerhans Cells: Evidence from Human CD1A Genome-Transgenic Mice. Journal of Investigative Dermatology, 2012, 132, 241-244.	0.3	14

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55	Identification of antibody responses to the serotype-nonspecific molecular species of glycopeptidolipids in Mycobacterium avium infection. Biochemical and Biophysical Research Communications, 2008, 377, 165-169.	1.0	11
56	Trehalose Dimycolate Elicits Eosinophilic Skin Hypersensitivity in Mycobacteria-Infected Guinea Pigs. Journal of Immunology, 2008, 181, 8528-8533.	0.4	11
57	Temperature-dependent biosynthesis of glucose monomycolate and its recognition by CD1-restricted T cells. Biochemical and Biophysical Research Communications, 2005, 337, 452-456.	1.0	10
58	Molecular Requirements for T Cell Recognition of N-Myristoylated Peptides Derived from the Simian Immunodeficiency Virus Nef Protein. Journal of Virology, 2013, 87, 482-488.	1.5	10
59	Demonstration of the requirement for self antigen in the activation of autoreactive T cells. International Immunology, 1992, 4, 119-124.	1.8	9
60	CYTOKINE-INDUCED EXPRESSION OF CD1b MOLECULES BY PERIPHERAL BLOOD MONOCYTES: INFLUENCE OF 3â€²-AZIDO-3â€²-DEOXYTHYMIDINE. Pharmacological Research, 1997, 35, 135-140.	3.1	9
61	Th1-skewed tissue responses to a mycolyl glycolipid in mycobacteria-infected rhesus macaques. Biochemical and Biophysical Research Communications, 2013, 441, 108-113.	1.0	9
62	Identification and Structure of an MHC Class Iâ€“Encoded Protein with the Potential to Present N-Myristoylated 4-mer Peptides to T Cells. Journal of Immunology, 2019, 202, 3349-3358.	0.4	9
63	Crystal structures of lysophospholipid-bound MHC class I molecules. Journal of Biological Chemistry, 2020, 295, 6983-6991.	1.6	7
64	Induction of allergic contact dermatitis by astigmatid mite-derived monoterpene, Î±-acaridial. Biochemical and Biophysical Research Communications, 2008, 375, 336-340.	1.0	6
65	Mycolyltransferase from Mycobacterium leprae Excludes Mycolate-containing Glycolipid Substrates. Journal of Biochemistry, 2009, 146, 659-665.	0.9	5
66	Identification of a novel tetrapeptide structure of the Mycobacterium avium glycopeptidolipid that functions as a specific target for the host antibody response. Biochemical and Biophysical Research Communications, 2012, 419, 687-691.	1.0	5
67	HLA-DQ-specific autoreactive T cell clone with helper and cytotoxic functions. Immunology Letters, 1990, 26, 265-269.	1.1	3
68	Crystal structure of the ternary complex of TCR, MHC class I and lipopeptides. International Immunology, 2020, 32, 805-810.	1.8	3
69	New insights into interactions between the human PTH/PTHrP receptor and agonist/antagonist binding. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E297-E303.	1.8	2
70	Lipid-Specific Immune Responses Against Tuberculosis: From Basic Science to Medical Applications. Current Immunology Reviews, 2007, 3, 145-150.	1.2	2
71	New Insights into Lipidic Secondary Metabolites in Mycobacteria. Current Chemical Biology, 2011, 5, 52-63.	0.2	2
72	New Insights into Lipidic Secondary Metabolites in Mycobacteria. Current Chemical Biology, 2011, 5, 52-63.	0.2	1

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73	Crystal structures of N-myristoylated lipopeptide-bound HLA class I complexes indicate reorganization of B-pocket architecture upon ligand binding. Journal of Biological Chemistry, 2022, , 102100.	1.6	1