Teunis B H Geijtenbeek

List of Publications by Citations

116 papers	13,887 citations	49 h-index	117 g-index
123 ext. papers	15,425 ext. citations	9.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
116	DC-SIGN, a dendritic cell-specific HIV-1-binding protein that enhances trans-infection of T cells. *Cell*, **2000**, 100, 587-97	56.2	1976
115	Identification of DC-SIGN, a novel dendritic cell-specific ICAM-3 receptor that supports primary immune responses. *Cell*, **2000**, 100, 575-85	56.2	1408
114	Signalling through C-type lectin receptors: shaping immune responses. *Nature Reviews Immunology*, **2009**, 9, 465-79	36.5	891
113	Mycobacteria target DC-SIGN to suppress dendritic cell function. *Journal of Experimental Medicine*, **2003**, 197, 7-17	16.6	885
112	DC-SIGN: escape mechanism for pathogens. *Nature Reviews Immunology*, **2003**, 3, 697-709	36.5	733
111	The dendritic cell-specific adhesion receptor DC-SIGN internalizes antigen for presentation to T cells. *Journal of Immunology*, **2002**, 168, 2118-26	5.3	512
110	Langerin is a natural barrier to HIV-1 transmission by Langerhans cells. *Nature Medicine*, **2007**, 13, 367-71	50.5	485
109	C-type lectin DC-SIGN modulates Toll-like receptor signaling via Raf-1 kinase-dependent acetylation of transcription factor NF-kappaB. *Immunity*, **2007**, 26, 605-16	32.3	465
108	Dectin-1 is an extracellular pathogen sensor for the induction and processing of IL-1β via a noncanonical caspase-8 inflammasome. *Nature Immunology*, **2012**, 13, 246-54	19.1	443
107	DC-SIGN-ICAM-2 interaction mediates dendritic cell trafficking. *Nature Immunology*, **2000**, 1, 353-7	19.1	419
106	Cutting edge: carbohydrate profiling identifies new pathogens that interact with dendritic cell-specific ICAM-3-grabbing nonintegrin on dendritic cells. *Journal of Immunology*, **2003**, 170, 1635-9	5.3	373
105	Carbohydrate-specific signaling through the DC-SIGN signalosome tailors immunity to Mycobacterium tuberculosis, HIV-1 and Helicobacter pylori. *Nature Immunology*, **2009**, 10, 1081-8	19.1	351
104	Dectin-1 directs T helper cell differentiation by controlling noncanonical NF-kappaB activation through Raf-1 and Syk. *Nature Immunology*, **2009**, 10, 203-13	19.1	342
103	HIV-1 exploits innate signaling by TLR8 and DC-SIGN for productive infection of dendritic cells. *Nature Immunology*, **2010**, 11, 419-26	19.1	206
102	Predominant infection of CD150+ lymphocytes and dendritic cells during measles virus infection of macaques. *PLoS Pathogens*, **2007**, 3, e178	7.6	189
101	Salp15 binding to DC-SIGN inhibits cytokine expression by impairing both nucleosome remodeling and mRNA stabilization. *PLoS Pathogens*, **2008**, 4, e31	7.6	152
100	Early target cells of measles virus after aerosol infection of non-human primates. *PLoS Pathogens*, **2011**, 7, e1001263	7.6	150

99	Identification of different binding sites in the dendritic cell-specific receptor DC-SIGN for intercellular adhesion molecule 3 and HIV-1. *Journal of Biological Chemistry*, **2002**, 277, 11314-20	5.4	145
98	Lewis X component in human milk binds DC-SIGN and inhibits HIV-1 transfer to CD4+ T lymphocytes. *Journal of Clinical Investigation*, **2005**, 115, 3256-64	15.9	139
97	Subset of DC-SIGN(+) dendritic cells in human blood transmits HIV-1 to T lymphocytes. *Blood*, **2002**, 100, 1780-6	2.2	136
96	Innate signaling and regulation of Dendritic cell immunity. *Current Opinion in Immunology*, **2007**, 19, 435-48	7.8	131
95	Selective C-Rel activation via Malt1 controls anti-fungal T(H)-17 immunity by dectin-1 and dectin-2. *PLoS Pathogens*, **2011**, 7, e1001259	7.6	129
94	C-type lectin receptors in the control of T helper cell differentiation. *Nature Reviews Immunology*, **2016**, 16, 433-48	36.5	128
93	Hepatitis C virus targets DC-SIGN and L-SIGN to escape lysosomal degradation. *Journal of Virology*, **2004**, 78, 8322-32	6.6	122
92	Syndecan-3 is a dendritic cell-specific attachment receptor for HIV-1. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19464-9	11.5	117
91	Measles virus targets DC-SIGN to enhance dendritic cell infection. *Journal of Virology*, **2006**, 80, 3477-86	6.6	112
90	Fungal engagement of the C-type lectin mincle suppresses dectin-1-induced antifungal immunity. *Cell Host and Microbe*, **2014**, 15, 494-505	23.4	105
89	TNF-alpha and TLR agonists increase susceptibility to HIV-1 transmission by human Langerhans cells ex vivo. *Journal of Clinical Investigation*, **2008**, 118, 3440-52	15.9	104
88	Receptor usage dictates HIV-1 restriction by human TRIM5 in dendritic cell subsets. *Nature*, **2016**, 540, 448-452	50.4	104
87	Distinct roles for DC-SIGN+-dendritic cells and Langerhans cells in HIV-1 transmission. *Trends in Molecular Medicine*, **2008**, 14, 12-9	11.5	102
86	Fucose-specific DC-SIGN signalling directs T helper cell type-2 responses via IKK and CYLD-dependent Bcl3 activation. *Nature Communications*, **2014**, 5, 3898	17.4	99
85	C-type lectin Langerin is a beta-glucan receptor on human Langerhans cells that recognizes opportunistic and pathogenic fungi. *Molecular Immunology*, **2010**, 47, 1216-25	4.3	98
84	High Frequency of Adhesion Defects in B-Lineage Acute Lymphoblastic Leukemia. *Blood*, **1999**, 94, 754-764	10.4	93
83	Antagonism of the phosphatase PP1 by the measles virus V protein is required for innate immune escape of MDA5. *Cell Host and Microbe*, **2014**, 16, 19-30	23.4	91
82	Human Langerhans cells capture measles virus through Langerin and present viral antigens to CD4+ T cells but are incapable of cross-presentation. *European Journal of Immunology*, **2011**, 41, 2619-31	6.1	75

81	MUC1 in human milk blocks transmission of human immunodeficiency virus from dendritic cells to T cells. *Molecular Immunology*, **2009**, 46, 2309-16	4.3	75
80	HIV-1 blocks the signaling adaptor MAVS to evade antiviral host defense after sensing of abortive HIV-1 RNA by the host helicase DDX3. *Nature Immunology*, **2017**, 18, 225-235	19.1	74
79	The pathogenesis of measles. *Current Opinion in Virology*, **2012**, 2, 248-55	7.5	74
78	Interactions of DC-SIGN with Mac-1 and CEACAM1 regulate contact between dendritic cells and neutrophils. *FEBS Letters*, **2005**, 579, 6159-68	3.8	74
77	Measles virus suppresses RIG-I-like receptor activation in dendritic cells via DC-SIGN-mediated inhibition of PP1 phosphatases. *Cell Host and Microbe*, **2014**, 16, 31-42	23.4	72
76	DC-SIGN and CD150 have distinct roles in transmission of measles virus from dendritic cells to T-lymphocytes. *PLoS Pathogens*, **2008**, 4, e1000049	7.6	72
75	Pathogen recognition by DC-SIGN shapes adaptive immunity. *Future Microbiology*, **2009**, 4, 879-90	2.9	71
74	Fucose-based PAMPs prime dendritic cells for follicular T helper cell polarization via DC-SIGN-dependent IL-27 production. *Nature Communications*, **2014**, 5, 5074	17.4	69
73	C-Type Lectin Receptors in Antiviral Immunity and Viral Escape. *Frontiers in Immunology*, **2018**, 9, 590	8.4	66
72	Bile salt-stimulated lipase from human milk binds DC-SIGN and inhibits human immunodeficiency virus type 1 transfer to CD4+ T cells. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 3367-74	5.9	65
71	Dendritic cells mediate herpes simplex virus infection and transmission through the C-type lectin DC-SIGN. *Journal of General Virology*, **2008**, 89, 2398-2409	4.9	64
70	Herpes simplex virus type 2 enhances HIV-1 susceptibility by affecting Langerhans cell function. *Journal of Immunology*, **2010**, 185, 1633-41	5.3	62
69	An evolutionary perspective on C-type lectins in infection and immunity. *Annals of the New York Academy of Sciences*, **2012**, 1253, 149-58	6.5	59
68	Langerin functions as an antiviral receptor on Langerhans cells. *Immunology and Cell Biology*, **2010**, 88, 410-5	5	55
67	Langerhans cells and viral immunity. *European Journal of Immunology*, **2008**, 38, 2377-85	6.1	46
66	Glycodendrimers prevent HIV transmission via DC-SIGN on dendritic cells. *International Immunology* , **2013**, 25, 221-33	4.9	43
65	Brief Report: Altered Innate Lymphoid Cell Subsets in Human Lymph Node Biopsy Specimens Obtained During the At-Risk and Earliest Phases of Rheumatoid Arthritis. *Arthritis and Rheumatology*, **2017**, 69, 70-76	9.5	42
64	Probiotic Gut Microbiota Isolate Interacts with Dendritic Cells via Glycosylated Heterotrimeric Pili. *PLoS ONE*, **2016**, 11, e0151824	3.7	40

63	Mage Irois: Borrelia, dendritic cells, and tick saliva interactions. *Trends in Parasitology*, **2014**, 30, 95-103	6.4	39
62	Dectin-1 activation induces proliferation and migration of human keratinocytes enhancing wound re-epithelialization. *Cellular Immunology*, **2014**, 289, 49-54	4.4	37
61	Langerhans cells in innate defense against pathogens. *Trends in Immunology*, **2010**, 31, 452-9	14.4	35
60	A prominent role for DC-SIGN+ dendritic cells in initiation and dissemination of measles virus infection in non-human primates. *PLoS ONE*, **2012**, 7, e49573	3.7	33
59	Caveolin-1 mediated uptake via langerin restricts HIV-1 infection in human Langerhans cells. *Retrovirology*, **2014**, 11, 123	3.6	32
58	Human immature Langerhans cells restrict CXCR4-using HIV-1 transmission. *Retrovirology*, **2014**, 11, 52	3.6	29
57	Langerhans Cell-Dendritic Cell Cross-Talk via Langerin and Hyaluronic Acid Mediates Antigen Transfer and Cross-Presentation of HIV-1. *Journal of Immunology*, **2015**, 195, 1763-73	5.3	28
56	Innate signaling in HIV-1 infection of dendritic cells. *Current Opinion in HIV and AIDS*, **2011**, 6, 348-52	4.2	28
55	RIG-I-like Receptor Triggering by Dengue Virus Drives Dendritic Cell Immune Activation and T1 Differentiation. *Journal of Immunology*, **2017**, 198, 4764-4771	5.3	27
54	E-cadherin interactions are required for Langerhans cell differentiation. *European Journal of Immunology*, **2013**, 43, 270-80	6.1	27
53	Langerhans Cells Sense Wall Teichoic Acid through Langerin To Induce Inflammatory Responses. *MBio*, **2019**, 10,	7.8	25
52	Sexually transmitted hepatitis C virus infections: current trends, and recent advances in understanding the spread in men who have sex with men. *Journal of the International AIDS Society*, **2019**, 22 Suppl 6, e25348	5.4	25
51	SAMHD1 degradation enhances active suppression of dendritic cell maturation by HIV-1. *Journal of Immunology*, **2015**, 194, 4431-7	5.3	24
50	RIG-I-like receptor activation by dengue virus drives follicular T helper cell formation and antibody production. *PLoS Pathogens*, **2017**, 13, e1006738	7.6	24
49	Mutz-3-derived Langerhans cells are a model to study HIV-1 transmission and potential inhibitors. *Journal of Leukocyte Biology*, **2010**, 87, 637-43	6.5	23
48	Potency of HIV-1 envelope glycoprotein gp120 antibodies to inhibit the interaction of DC-SIGN with HIV-1 gp120. *Virology*, **2004**, 329, 465-76	3.6	22
47	C-type lectin receptors orchestrate antifungal immunity. *Future Microbiology*, **2013**, 8, 839-54	2.9	18
46	Antiviral immune responses by human langerhans cells and dendritic cells in HIV-1 infection. *Advances in Experimental Medicine and Biology*, **2013**, 762, 45-70	3.6	18

45	Burn injury suppresses human dermal dendritic cell and Langerhans cell function. *Cellular Immunology*, **2011**, 268, 29-36	4.4	18
44	Vaginal dysbiosis associated-bacteria Megasphaera elsdenii and Prevotella timonensis induce immune activation via dendritic cells. *Journal of Reproductive Immunology*, **2020**, 138, 103085	4.2	15
43	Carbohydrate signaling by C-type lectin DC-SIGN affects NF-kappaB activity. *Methods in Enzymology* , **2010**, 480, 151-64	1.7	15
42	Impaired lymph node stromal cell function during the earliest phases of rheumatoid arthritis. *Arthritis Research and Therapy*, **2018**, 20, 35	5.7	14
41	Borrelia burgdorferi Induces TLR2-Mediated Migration of Activated Dendritic Cells in an Ex Vivo Human Skin Model. *PLoS ONE*, **2016**, 11, e0164040	3.7	13
40	Various Tastes of Sugar: The Potential of Glycosylation in Targeting and Modulating Human Immunity via C-Type Lectin Receptors. *Frontiers in Immunology*, **2020**, 11, 134	8.4	12
39	DDX3 in HIV-1 infection and sensing: A paradox. *Cytokine and Growth Factor Reviews*, **2018**, 40, 32-39	17.9	11
38	Immediate T-Helper 17 Polarization Upon Triggering CD11b/c on HIV-Exposed Dendritic Cells. *Journal of Infectious Diseases*, **2015**, 212, 44-56	7	11
37	HIV-1 exposure and immune activation enhance sexual transmission of Hepatitis C virus by primary Langerhans cells. *Journal of the International AIDS Society*, **2019**, 22, e25268	5.4	10
36	Innate immune receptors drive dengue virus immune activation and disease. *Future Virology*, **2017**, 13, 287-305	2.4	9
35	Distinctive expression of T cell guiding molecules in human autoimmune lymph node stromal cells upon TLR3 triggering. *Scientific Reports*, **2018**, 8, 1736	4.9	9
34	Diminished transmission of drug resistant HIV-1 variants with reduced replication capacity in a human transmission model. *Retrovirology*, **2014**, 11, 113	3.6	8
33	Actin as a death signal. *Immunity*, **2012**, 36, 557-9	32.3	8
32	Synthetic Abortive HIV-1 RNAs Induce Potent Antiviral Immunity. *Frontiers in Immunology*, **2020**, 11, 8	8.4	8
31	Sexually transmitted founder HIV-1 viruses are relatively resistant to Langerhans cell-mediated restriction. *PLoS ONE*, **2019**, 14, e0226651	3.7	8
30	Differentiation of Langerhans Cells from Monocytes and Their Specific Function in Inducing IL-22-Specific Th Cells. *Journal of Immunology*, **2018**, 201, 3006-3016	5.3	8
29	Interplay between HIV-1 innate sensing and restriction in mucosal dendritic cells: balancing defense and viral transmission. *Current Opinion in Virology*, **2017**, 22, 112-119	7.5	7
28	Negative and Positive Selection Pressure During Sexual Transmission of Transmitted Founder HIV-1. *Frontiers in Immunology*, **2019**, 10, 1599	8.4	7

27	Isolation of immature primary Langerhans cells from human epidermal skin. *Methods in Molecular Biology*, **2010**, 595, 55-65	1.4	7
26	Therapeutic Liposomal Vaccines for Dendritic Cell Activation or Tolerance. *Frontiers in Immunology*, **2021**, 12, 674048	8.4	7
25	HIV-1 border patrols: Langerhans cells control antiviral responses and viral transmission. *Future Virology*, **2015**, 10, 1231-1243	2.4	6
24	Autophagy-enhancing drugs limit mucosal HIV-1 acquisition and suppress viral replication ex vivo. *Scientific Reports*, **2021**, 11, 4767	4.9	6
23	Infection and transmission of SARS-CoV-2 depends on heparan sulfate proteoglycans		5
22	Herbal medicine IMOD suppresses LPS-induced production of proinflammatory cytokines in human dendritic cells. *Frontiers in Pharmacology*, **2015**, 6, 64	5.6	4
21	DC-SIGN in Infection and Immunity **2016**, 129-150		4
20	Infection and transmission of SARS-CoV-2 depend on heparan sulfate proteoglycans. *EMBO Journal*, **2021**, 40, e106765	13	4
19	Syndecan 4 Upregulation on Activated Langerhans Cells Counteracts Langerin Restriction to Facilitate Hepatitis C Virus Transmission. *Frontiers in Immunology*, **2020**, 11, 503	8.4	3
18	Measles skin rash: Infection of lymphoid and myeloid cells in the dermis precedes viral dissemination to the epidermis. *PLoS Pathogens*, **2020**, 16, e1008253	7.6	3
17	Activates Human Dendritic Cells and Elicits T Cell Responses. *Journal of Immunology*, **2020**, 204, 386-393	5.3	3
16	Abortive HIV-1 RNA induces pro-IL-1β maturation via protein kinase PKR and inflammasome activation in humans. *European Journal of Immunology*, **2021**, 51, 2464-2477	6.1	3
15	Separate signaling events control TCR downregulation and T cell activation in primary human T cells. *Immunity, Inflammation and Disease*, **2021**, 9, 223-238	2.4	3
14	HIV-1 subverts the complement system in semen to enhance viral transmission. *Mucosal Immunology*, **2021**, 14, 743-750	9.2	3
13	Mucosal Dendritic Cell Subsets Control HIV-1's Viral Fitness. *Annual Review of Virology*, **2020**, 7, 385-402	14.6	2
12	DCs facilitate B cell responses against microbial DNA via DC-SIGN. *PLoS ONE*, **2017**, 12, e0185580	3.7	1
11	Mucosal dendritic cells in HIV-1 susceptibility: a critical role for C-type lectin receptors. *Future Virology*, **2017**, 12, 373-388	2.4	1
10	Mannosylation of the Tumor Immunoglobulin Variable Region Informs Cell of Origin and Environmental Interactions in DLBCL Subsets. *Blood*, **2019**, 134, 1505-1505	2.2	1

9	Variations in the Abortive HIV-1 RNA Hairpin Do Not Impede Viral Sensing and Innate Immune Responses. *Pathogens*, **2021**, 10,	4.5	1
8	Insertion of atypical glycans into the tumor antigen-binding site identifies DLBCLs with distinct origin and behavior. *Blood*, **2021**, 138, 1570-1582	2.2	1
7	Dendritic Cells Ferry HIV-1 from Periphery into Lymphoid Tissues229-247		1
6	Complement Potentiates Immune Sensing of HIV-1 and Early Type I Interferon Responses. *MBio*, **2021**, 12, e0240821	7.8	0
5	Flow Cytometry-Based Bead-Binding Assay for Measuring Receptor Ligand Specificity. *Methods in Molecular Biology*, **2016**, 1390, 121-9	1.4	0
4	Genital co-infections turn Langerhans cells from friends into foes during HIV-1 transmission. *Future Virology*, **2009**, 4, 11-13	2.4	
3	Dendritic Cell Immunotherapy, the Next Step in Cancer Treatment. *Multidisciplinary Cancer Investigation*, **2017**, 1, 1-2	0.2	
2	Innate Recognition of HIV-1 Glycans: Implications for Infection, Transmission, and Immunity **2014**, 27-58		
1	DDX3X structural analysis: Implications in the pharmacology and innate immunity. *Current Research in Immunology*, **2022**, 3, 100-109	1	