

# Gnter Bernhardt

## 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.

85  
papers

4,093  
citations

34  
h-index

62  
g-index

88  
ext. papers

4,770  
ext. citations

8.1  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
85	Oral tolerance originates in the intestinal immune system and relies on antigen carriage by dendritic cells. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 519-27	16.6	533
84	EDG6, a novel G-protein-coupled receptor related to receptors for bioactive lysophospholipids, is specifically expressed in lymphoid tissue. <i>Genomics</i> , <b>1998</b> , 53, 164-9	4.3	212
83	Development and functional specialization of CD103+ dendritic cells. <i>Immunological Reviews</i> , <b>2010</b> , 234, 268-81	11.3	195
82	Cooperating mechanisms of CXCR5 and CCR7 in development and organization of secondary lymphoid organs. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 197, 1199-204	16.6	156
81	Sphingosine-1-phosphate mediates migration of mature dendritic cells. <i>Journal of Immunology</i> , <b>2005</b> , 175, 2960-7	5.3	151
80	Suppression of Metastases Using a New Lymphocyte Checkpoint Target for Cancer Immunotherapy. <i>Cancer Discovery</i> , <b>2016</b> , 6, 446-59	24.4	147
79	Cryptopatches and isolated lymphoid follicles: dynamic lymphoid tissues dispensable for the generation of intraepithelial lymphocytes. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 98-107	6.1	145
78	Immune responses against SARS-CoV-2 variants after heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination. <i>Nature Medicine</i> , <b>2021</b> , 27, 1525-1529	50.5	141
77	Adaptation of solitary intestinal lymphoid tissue in response to microbiota and chemokine receptor CCR7 signaling. <i>Journal of Immunology</i> , <b>2006</b> , 177, 6824-32	5.3	122
76	Generalized multi-organ autoimmunity in CCR7-deficient mice. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 613-22	6.1	95
75	Poliovirus receptor CD155-targeted oncolysis of glioma. <i>Neuro-Oncology</i> , <b>2004</b> , 6, 208-17	1	87
74	$\alpha$ cell receptors that do not undergo major histocompatibility complex-specific thymic selection possess antibody-like recognition specificities. <i>Immunity</i> , <b>2012</b> , 36, 79-91	32.3	77
73	Canyon rim residues, including antigenic determinants, modulate serotype-specific binding of polioviruses to mutants of the poliovirus receptor. <i>Virology</i> , <b>1995</b> , 214, 559-70	3.6	77
72	Lck availability during thymic selection determines the recognition specificity of the T cell repertoire. <i>Cell</i> , <b>2013</b> , 154, 1326-41	56.2	73
71	The poliovirus receptor CD155 mediates cell-to-matrix contacts by specifically binding to vitronectin. <i>Virology</i> , <b>2001</b> , 285, 218-27	3.6	69
70	The puzzle of intestinal lamina propria dendritic cells and macrophages. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 2107-11	6.1	68
69	The poliovirus receptor: identification of domains and amino acid residues critical for virus binding. <i>Virology</i> , <b>1994</b> , 203, 344-56	3.6	65

68	The murine pan T cell marker CD96 is an adhesion receptor for CD155 and nectin-1. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 364, 959-65	3.4	64
67	Low serum neutralizing anti-SARS-CoV-2 S antibody levels in mildly affected COVID-19 convalescent patients revealed by two different detection methods. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 936-944	15.4	62
66	Halobacterial glycoprotein saccharides contain covalently linked sulphate. <i>FEBS Letters</i> , <b>1980</b> , 120, 110-4	3.8	60
65	Downstream activation of a TATA-less promoter by Oct-2, Bob1, and NF-kappaB directs expression of the homing receptor BLR1 to mature B cells. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 28831-6	5.4	58
64	Distinct gene expression patterns correlate with developmental and functional traits of iNKT subsets. <i>Nature Communications</i> , <b>2016</b> , 7, 13116	17.4	56
63	The origin and maturity of dendritic cells determine the pattern of sphingosine 1-phosphate receptors expressed and required for efficient migration. <i>Journal of Immunology</i> , <b>2010</b> , 185, 4072-81	5.3	53
62	Molecular characterization of the cellular receptor for poliovirus. <i>Virology</i> , <b>1994</b> , 199, 105-13	3.6	53
61	Analyzing cytotoxic T lymphocyte activity: a simple and reliable flow cytometry-based assay. <i>Journal of Immunological Methods</i> , <b>1997</b> , 204, 135-42	2.5	52
60	Impaired responsiveness to T-cell receptor stimulation and defective negative selection of thymocytes in CCR7-deficient mice. <i>Blood</i> , <b>2007</b> , 110, 4351-9	2.2	52
59	CD96 interaction with CD155 via its first Ig-like domain is modulated by alternative splicing or mutations in distal Ig-like domains. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 2235-44	5.4	51
58	Coming of Age: CD96 Emerges as Modulator of Immune Responses. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1072	8.4	49
57	The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 2214-25	6.1	48
56	Sphingosine-1 phosphate signaling regulates positioning of dendritic cells within the spleen. <i>Journal of Immunology</i> , <b>2007</b> , 179, 5855-63	5.3	48
55	Expression of the human poliovirus receptor/CD155 gene is activated by sonic hedgehog. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 25697-702	5.4	48
54	Perioperative, Spatiotemporally Coordinated Activation of T and NK Cells Prevents Recurrence of Pancreatic Cancer. <i>Cancer Research</i> , <b>2018</b> , 78, 475-488	10.1	42
53	Heterogeneous expression of the adhesion receptor CD226 on murine NK and T cells and its function in NK-mediated killing of immature dendritic cells. <i>Journal of Leukocyte Biology</i> , <b>2009</b> , 86, 91-101	6.5	39
52	Characterization and identification of Tage4 as the murine orthologue of human poliovirus receptor/CD155. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 312, 1364-71	3.4	38
51	Cutting edge: egress of newly generated plasma cells from peripheral lymph nodes depends on beta 2 integrin. <i>Journal of Immunology</i> , <b>2005</b> , 174, 7492-5	5.3	34

50	Trafficking on serpentines: molecular insight on how maturing T cells find their winding paths in the thymus. <i>Immunological Reviews</i> , <b>2006</b> , 209, 115-28	11.3	33
49	The promoters for human and monkey poliovirus receptors. Requirements for basic and cell type-specific activity. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 5579-86	5.4	32
48	Expression of CD226 is associated to but not required for NK cell education. <i>Nature Communications</i> , <b>2017</b> , 8, 15627	17.4	31
47	Chemokines as organizers of primary and secondary lymphoid organs. <i>Seminars in Immunology</i> , <b>2003</b> , 15, 249-55	10.7	31
46	Identification of a nuclear respiratory factor-1 binding site within the core promoter of the human polio virus receptor/CD155 gene. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 12453-62	5.4	31
45	Critical role of the adhesion receptor DNAX accessory molecule-1 (DNAM-1) in the development of inflammation-driven dermal fibrosis in a mouse model of systemic sclerosis. <i>Annals of the Rheumatic Diseases</i> , <b>2013</b> , 72, 1089-98	2.4	30
44	CD96 targeted antibodies need not block CD96-CD155 interactions to promote NK cell anti-metastatic activity. <i>Oncolmmunology</i> , <b>2018</b> , 7, e1424677	7.2	27
43	IRF-1 expression is essential for natural killer cells to suppress metastasis. <i>Cancer Research</i> , <b>2011</b> , 71, 6410-8	10.1	27
42	Sulphation of a repetitive saccharide in halobacterial cell wall glycoprotein. <i>FEBS Letters</i> , <b>1981</b> , 132, 319-383	3.8	27
41	Abundance of follicular helper T cells in Peyer's patches is modulated by CD155. <i>European Journal of Immunology</i> , <b>2009</b> , 39, 3160-70	6.1	26
40	The impact of cell-bound antigen transport on mucosal tolerance induction. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 82, 795-800	6.5	26
39	Intranodal interaction with dendritic cells dynamically regulates surface expression of the co-stimulatory receptor CD226 protein on murine T cells. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 39153-63	5.4	21
38	Homeostatic chemokines in development, plasticity, and functional organization of the intestinal immune system. <i>Seminars in Immunology</i> , <b>2008</b> , 20, 171-80	10.7	21
37	Dynamics and function of solitary intestinal lymphoid tissue. <i>Critical Reviews in Immunology</i> , <b>2008</b> , 28, 1-13	1.8	21
36	Enhanced FTY720-mediated lymphocyte homing requires G alpha i signaling and depends on beta 2 and beta 7 integrin. <i>Journal of Immunology</i> , <b>2006</b> , 176, 1474-80	5.3	20
35	Identification and characterization of the cis-acting elements of the human CD155 gene core promoter. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 1791-800	5.4	20
34	Interaction of poliovirus with its cell surface binding site. <i>Virology</i> , <b>1994</b> , 201, 107-15	3.6	20
33	Neutralization of the SARS-CoV-2 Delta variant after heterologous and homologous BNT162b2 or ChAdOx1 nCoV-19 vaccination. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 2455-2456	15.4	20

32	A lymphoid tissue-specific receptor, EDG6, with potential immune modulatory functions mediated by extracellular lysophospholipids. <i>Current Topics in Microbiology and Immunology</i> , <b>1999</b> , 246, 131-6; discussion 137	3.3	18
31	Absence of CD155 aggravates acute graft-versus-host disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E32-3; author reply E34	11.5	17
30	Increased CD112 expression in methylcholanthrene-induced tumors in CD155-deficient mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e112415	3.7	16
29	Factors governing the intranodal migration behavior of T lymphocytes. <i>Immunological Reviews</i> , <b>2008</b> , 221, 44-63	11.3	16
28	CD155/CD226-interaction impacts on the generation of innate CD8(+) thymocytes by regulating iNKT-cell differentiation. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 993-1003	6.1	15
27	Shared and Unique Features Distinguishing Follicular T Helper and Regulatory Cells of Peripheral Lymph Node and Peyer's Patches. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 714	8.4	15
26	Mesenteric lymph node stroma cells in the generation of intestinal immune responses. <i>Journal of Molecular Medicine</i> , <b>2009</b> , 87, 945-51	5.5	15
25	Laquinimod, a prototypic quinoline-3-carboxamide and aryl hydrocarbon receptor agonist, utilizes a CD155-mediated natural killer/dendritic cell interaction to suppress CNS autoimmunity. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 49	10.1	14
24	CD155 (PVR/Necl5) mediates a costimulatory signal in CD4+ T cells and regulates allergic inflammation. <i>Journal of Immunology</i> , <b>2015</b> , 194, 5644-53	5.3	14
23	The human poliovirus receptor. Receptor-virus interaction and parameters of disease specificity. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 753, 19-36	6.5	13
22	Targeting CD226/DNAX accessory molecule-1 (DNAM-1) in collagen-induced arthritis mouse models. <i>Journal of Inflammation</i> , <b>2015</b> , 12, 9	6.7	12
21	Blocking the ART2.2/P2X7-system is essential to avoid a detrimental bias in functional CD4 T cell studies. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 1078-1081	6.1	12
20	CD155 is involved in negative selection and is required to retain terminally maturing CD8 T cells in thymus. <i>Journal of Immunology</i> , <b>2010</b> , 184, 1681-9	5.3	12
19	On the road to tolerance--generation and migration of gut regulatory T cells. <i>European Journal of Immunology</i> , <b>2013</b> , 43, 1422-5	6.1	11
18	Poliovirus and its cellular receptor: a molecular genetic dissection of a virus/receptor affinity interaction. <i>Journal of Molecular Recognition</i> , <b>1998</b> , 11, 2-9	2.6	11
17	Elucidating the functional anatomy of secondary lymphoid organs. <i>Current Opinion in Immunology</i> , <b>2004</b> , 16, 394-9	7.8	11
16	To the editor: TIGIT versus CD226: hegemony or coexistence?. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 307-8	6.1	9
15	Sensitivity of dendritic cells to NK-mediated lysis depends on the inflammatory environment and is modulated by CD54/CD226-driven interactions. <i>Journal of Leukocyte Biology</i> , <b>2016</b> , 100, 781-789	6.5	9

14	CD226 interaction with CD155 impacts on retention and negative selection of CD8 positive thymocytes as well as T cell differentiation to follicular helper cells in Peyer's Patches. <i>Immunobiology</i> , <b>2013</b> , 218, 152-8	3.4	8
13	Poliomyelitis in transgenic mice expressing CD155 under the control of the Tage4 promoter after oral and parenteral poliovirus inoculation. <i>Journal of General Virology</i> , <b>2014</b> , 95, 1668-1676	4.9	7
12	Cleavage site of the poliovirus receptor signal sequence. <i>Journal of General Virology</i> , <b>1994</b> , 75 ( Pt 8), 1875-81	4.9	7
11	The Role of T Cell Costimulation via DNAM-1 in Kidney Transplantation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147951	3.7	6
10	Humoral and cellular immune response against SARS-CoV-2 variants following heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination		6
9	Differential Effects of Gut-Homing Molecules CC Chemokine Receptor 9 and Integrin- $\alpha$ during Acute Graft-versus-Host Disease of the Liver. <i>Biology of Blood and Marrow Transplantation</i> , <b>2015</b> , 21, 2069-2078	4.7	3
8	Impact of Aging on the Phenotype of Invariant Natural Killer T Cells in Mouse Thymus. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 575764	8.4	3
7	Robust induction of neutralizing antibodies against the SARS-CoV-2 Delta variant after homologous Spikevax or heterologous Vaxzevria-Spikevax vaccination. <i>European Journal of Immunology</i> , <b>2021</b> ,	6.1	2
6	IL-15 and CD155 expression regulate LAT expression in murine DNAM1 NK cells, enhancing their effectors functions. <i>European Journal of Immunology</i> , <b>2020</b> , 50, 494-504	6.1	2
5	BNT162b2 boosted immune responses six months after heterologous or homologous ChAdOx1nCoV-19/BNT162b2 vaccination against COVID-19		1
4	Targeted delivery of regulatory macrophages to lymph nodes interferes with T $\alpha$ cell priming by preventing the formation of stable immune synapses. <i>Cell Reports</i> , <b>2021</b> , 35, 109273	10.6	0
3	Longitudinal Tracking of Immune Responses in COVID-19 Convalescents Reveals Absence of Neutralization Activity Against Omicron and Staggered Impairment to Other SARS-CoV-2 Variants of Concern.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 863039	8.4	0
2	Identification of Follicular T Cells in the Gut. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2380, 85-95	1.4	
1	The impact of stress on the transcriptomic signature of iNKT1 cells. <i>Biochemistry and Biophysics Reports</i> , <b>2021</b> , 28, 101163	2.2	