

# Nicole Baumgarth

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3780075/nicole-baumgarth-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

5,126  
citations

35  
h-index

71  
g-index

80  
ext. papers

6,202  
ext. citations

8.9  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
75	The double life of a B-1 cell: self-reactivity selects for protective effector functions. <i>Nature Reviews Immunology</i> , <b>2011</b> , 11, 34-46	36.5	655
74	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , <b>2019</b> , 49, 1457-1973	6.1	485
73	B-1 and B-2 cell-derived immunoglobulin M antibodies are nonredundant components of the protective response to influenza virus infection. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 271-80	16.6	458
72	Inherent specificities in natural antibodies: a key to immune defense against pathogen invasion. <i>Seminars in Immunopathology</i> , <b>2005</b> , 26, 347-62		396
71	A practical approach to multicolor flow cytometry for immunophenotyping. <i>Journal of Immunological Methods</i> , <b>2000</b> , 243, 77-97	2.5	346
70	Dual role for B-1a cells in immunity to influenza virus infection. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 3053-64	16.6	189
69	CD72-deficient mice reveal nonredundant roles of CD72 in B cell development and activation. <i>Immunity</i> , <b>1999</b> , 11, 495-506	32.3	166
68	A population of murine gammadelta T cells that recognize an inducible MHC class Ib molecule. <i>Science</i> , <b>2000</b> , 287, 314-6	33.3	155
67	Type I IFN receptor signals directly stimulate local B cells early following influenza virus infection. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4343-51	5.3	143
66	B-1 cells in the bone marrow are a significant source of natural IgM. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 120-9	6.1	133
65	B cell-dependent T cell responses: IgM antibodies are required to elicit contact sensitivity. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 1277-90	16.6	109
64	An early CD4+ T cell-dependent immunoglobulin A response to influenza infection in the absence of key cognate T-B interactions. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 1011-21	16.6	92
63	B-1 Cell Heterogeneity and the Regulation of Natural and Antigen-Induced IgM Production. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 324	8.4	92
62	B7-1/2 (CD80/CD86) direct signaling to B cells enhances IgG secretion. <i>Journal of Immunology</i> , <b>2009</b> , 183, 7661-71	5.3	81
61	A Hard(y) Look at B-1 Cell Development and Function. <i>Journal of Immunology</i> , <b>2017</b> , 199, 3387-3394	5.3	69
60	Protective B cell responses to flu--no fluke!. <i>Journal of Immunology</i> , <b>2011</b> , 186, 3823-9	5.3	68
59	Delays and diversions mark the development of B cell responses to <i>Borrelia burgdorferi</i> infection. <i>Journal of Immunology</i> , <b>2012</b> , 188, 5612-22	5.3	62

58	Natural IgM prevents autoimmunity by enforcing B cell central tolerance induction. <i>Journal of Immunology</i> , <b>2015</b> , 194, 1489-502	5.3	61
57	B-cell fate decisions following influenza virus infection. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 366-78.1		58
56	Suppression of Long-Lived Humoral Immunity Following <i>Borrelia burgdorferi</i> Infection. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004976	7.6	58
55	How specific is too specific? B-cell responses to viral infections reveal the importance of breadth over depth. <i>Immunological Reviews</i> , <b>2013</b> , 255, 82-94	11.3	57
54	Enumeration and characterization of virus-specific B cells by multicolor flow cytometry. <i>Journal of Immunological Methods</i> , <b>2005</b> , 303, 40-52	2.5	57
53	Influenza virus infection causes global respiratory tract B cell response modulation via innate immune signals. <i>Journal of Immunology</i> , <b>2007</b> , 178, 1457-67	5.3	56
52	Nine color eleven parameter immunophenotyping using three laser flow cytometry. <i>Cytometry</i> , <b>1999</b> , 36, 36-45		53
51	Blimp-1-dependent and -independent natural antibody production by B-1 and B-1-derived plasma cells. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 2777-2794	16.6	52
50	The Multifaceted B Cell Response to Influenza Virus. <i>Journal of Immunology</i> , <b>2019</b> , 202, 351-359	5.3	52
49	Human cytomegalovirus suppresses type I interferon secretion by plasmacytoid dendritic cells through its interleukin 10 homolog. <i>Virology</i> , <b>2009</b> , 390, 330-7	3.6	50
48	The IgM receptor Fc $\mu$ B limits tonic BCR signaling by regulating expression of the IgM BCR. <i>Nature Immunology</i> , <b>2017</b> , 18, 321-333	19.1	48
47	Characteristics of natural antibody-secreting cells. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1362, 132-42	6.5	48
46	Innate-like B cells and their rules of engagement. <i>Advances in Experimental Medicine and Biology</i> , <b>2013</b> , 785, 57-66	3.6	46
45	Evaluation of intranuclear BrdU detection procedures for use in multicolor flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2006</b> , 69, 249-59	4.6	45
44	Antibody Responses to SARS-CoV-2: Let's Stick to Known Knowns. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2342-2350	5.3	44
43	Lymphadenopathy during lyme borreliosis is caused by spirochete migration-induced specific B cell activation. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002066	7.6	42
42	Infection-induced type I interferons activate CD11b on B-1 cells for subsequent lymph node accumulation. <i>Nature Communications</i> , <b>2015</b> , 6, 8991	17.4	39
41	Manipulates Innate and Adaptive Immunity to Establish Persistence in Rodent Reservoir Hosts. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 116	8.4	39

40	Characterization of Receptor Binding Profiles of Influenza A Viruses Using An Ellipsometry-Based Label-Free Glycan Microarray Assay Platform. <i>Biomolecules</i> , <b>2015</b> , 5, 1480-98	5.9	34
39	B-1 cell responses to infections. <i>Current Opinion in Immunology</i> , <b>2019</b> , 57, 23-31	7.8	32
38	Natural IgM and the Development of B Cell-Mediated Autoimmune Diseases. <i>Critical Reviews in Immunology</i> , <b>2016</b> , 36, 163-177	1.8	32
37	CD4+ T cells promote antibody production but not sustained affinity maturation during <i>Borrelia burgdorferi</i> infection. <i>Infection and Immunity</i> , <b>2015</b> , 83, 48-56	3.7	30
36	Natural and induced B-1 cell immunity to infections raises questions of nature versus nurture. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1362, 188-99	6.5	30
35	Single and coexpression of CXCR4 and CXCR5 identifies CD4 T helper cells in distinct lymph node niches during influenza virus infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 7146-57	6.6	27
34	B cell receptor and Toll-like receptor signaling coordinate to control distinct B-1 responses to both self and the microbiota. <i>ELife</i> , <b>2019</b> , 8,	8.9	25
33	Rigid interferon-alpha subtype responses of human plasmacytoid dendritic cells. <i>Journal of Interferon and Cytokine Research</i> , <b>2008</b> , 28, 749-63	3.5	24
32	slgM-FcB Interactions Regulate Early B Cell Activation and Plasma Cell Development after Influenza Virus Infection. <i>Journal of Immunology</i> , <b>2017</b> , 199, 1635-1646	5.3	23
31	MyD88- and TRIF-independent induction of type I interferon drives naive B cell accumulation but not loss of lymph node architecture in Lyme disease. <i>Infection and Immunity</i> , <b>2014</b> , 82, 1548-58	3.7	23
30	Licensing delineates helper and effector NK cell subsets during viral infection. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	20
29	Synergistic up-regulation of CXCL10 by virus and IFN $\gamma$ in human airway epithelial cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e100978	3.7	20
28	Purification and immune phenotyping of B-1 cells from body cavities of mice. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1190, 17-34	1.4	20
27	TLR induces reorganization of the IgM-BCR complex regulating murine B-1 cell responses to infections. <i>ELife</i> , <b>2019</b> , 8,	8.9	19
26	Secreted IgM: New tricks for an old molecule. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 1021-1034	6.5	18
25	Assessment of cell proliferation by 5-bromodeoxyuridine (BrdU) labeling for multicolor flow cytometry. <i>Current Protocols in Cytometry</i> , <b>2007</b> , Chapter 7, Unit7.31	3.6	18
24	Highly tissue substructure-specific effects of human papilloma virus in mucosa of HIV-infected patients revealed by laser-dissection microscopy-assisted gene expression profiling. <i>American Journal of Pathology</i> , <b>2004</b> , 165, 707-18	5.8	18
23	Comprehensive Annotation of Mature Peptides and Genotypes for Zika Virus. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170462	3.7	16

22	B-cell immunophenotyping. <i>Methods in Cell Biology</i> , <b>2004</b> , 75, 643-62	1.8	16
21	B Cell Activation and Response Regulation During Viral Infections. <i>Viral Immunology</i> , <b>2020</b> , 33, 294-306	1.7	15
20	Both B-1a and B-1b cells exposed to Mycobacterium tuberculosis lipids differentiate into IgM antibody-secreting cells. <i>Immunology</i> , <b>2018</b> , 154, 613	7.8	9
19	A natural killer T-cell subset that protects against airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 565-576.e7	11.5	9
18	Optimization of emission optics for multicolor flow cytometry. <i>Methods in Cell Biology</i> , <b>2004</b> , 75, 3-22	1.8	8
17	Recent Progress in Lyme Disease and Remaining Challenges. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 666554	4.9	7
16	Immune Response to : Lessons from Lyme Disease Spirochetes. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 42, 145-190	2.9	7
15	The Shaping of a B Cell Pool Maximally Responsive to Infections. <i>Annual Review of Immunology</i> , <b>2021</b> , 39, 103-129	34.7	5
14	Innate B Cells Tell ILC How It's Done. <i>Immunity</i> , <b>2016</b> , 45, 8-10	32.3	4
13	The role of innate signals in B cell immunity to influenza virus. <i>Frontiers in Bioscience - Scholar</i> , <b>2013</b> , 5, 105-17	2.4	4
12	Report of the Pathogenesis and Pathophysiology of Lyme Disease Subcommittee of the HHS Tick Borne Disease Working Group. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 643235	4.9	3
11	Secreted IgM versus BLYS in germinal center formation. <i>Nature Immunology</i> , <b>2000</b> , 1, 179	19.1	2
10	Antibody-mediated immunity <b>2013</b> , 283-297		1
9	Nicole Baumgarth: tackling flu from a B cell angle. Interviewed by Amy Maxmem. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 2454-5	16.6	1
8	Genetic mapping reveals Nfkbid as a central regulator of humoral immunity to Toxoplasma gondii. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1010081	7.6	0
7	Memory Lapses-Winning the Slow Race. <i>Immunity</i> , <b>2020</b> , 53, 902-904	32.3	0
6	Purification and Immune Phenotyping of B-1 Cells from Body Cavities of Mice. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2270, 27-45	1.4	0
5	Richard R. (Randy) Hardy 1952-2016. <i>Nature Immunology</i> , <b>2016</b> , 17, 889	19.1	

4	Transcriptional regulation of natural IgM secretion by a novel B-1 cell population in the bone marrow. <i>FASEB Journal</i> , <b>2008</b> , 22, 847.9	0.9
3	B cell-Dendritic Cell interaction during influenza infection. <i>FASEB Journal</i> , <b>2008</b> , 22, 857.11	0.9
2	Natural Killer Cell Licensing Delineates NK Helper/Repair and NK Effector/Suppressor Subsets During Viral Infections. <i>Blood</i> , <b>2013</b> , 122, 13-13	2.2
1	CD4 T cell responses in persistent <i>Borrelia burgdorferi</i> infection.. <i>Current Opinion in Immunology</i> , <b>2022</b> , 77, 102187	7.8