

# Birgitta Heyman

## List of Publications by Year in descending order

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71  
papers

3,292  
citations

147801

31  
h-index

149698

56  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Antibody Responses via Antibodies, Complement, and Fc Receptors. Annual Review of Immunology, 2000, 18, 709-737.	21.8	310
2	Induction and Suppression of Collagen-Induced Arthritis Is Dependent on Distinct Fc $\gamma$ Receptors. Journal of Experimental Medicine, 2000, 191, 1611-1616.	8.5	241
3	In vivo inhibition of the antibody response by a complement receptor-specific monoclonal antibody.. Journal of Experimental Medicine, 1990, 172, 665-668.	8.5	201
4	Efficient IgG-mediated suppression of primary antibody responses in Fc $\gamma$ receptor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2244-2249.	7.1	126
5	Antibody-Mediated Regulation of the Immune Response. Scandinavian Journal of Immunology, 2006, 64, 177-184.	2.7	122
6	IgG-mediated enhancement of antibody responses is low in Fc receptor gamma chain-deficient mice and increased in Fc gamma RII-deficient mice. Journal of Immunology, 1999, 163, 618-22.	0.8	99
7	<i>In vivo</i> enhancement of the specific antibody response via the low-affinity receptor for IgE. European Journal of Immunology, 1993, 23, 1739-1742.	2.9	96
8	Feedback regulation by IgG antibodies. Immunology Letters, 2003, 88, 157-161.	2.5	93
9	Complement activation is required for IgM-mediated enhancement of the antibody response.. Journal of Experimental Medicine, 1988, 167, 1999-2004.	8.5	91
10	How antibodies use complement to regulate antibody responses. Molecular Immunology, 2014, 61, 79-88.	2.2	90
11	IgG2a-Mediated Enhancement of Antibody and T Cell Responses and Its Relation to Inhibitory and Activating Fc $\gamma$ Receptors. Journal of Immunology, 2004, 172, 5269-5276.	0.8	81
12	IgE Enhances Antibody and T Cell Responses In Vivo via CD23+ B Cells. Journal of Immunology, 2005, 175, 1473-1482.	0.8	79
13	Antigen-dependent IgM-mediated enhancement of the sheep erythrocyte response in mice. Evidence for induction of B cells with specificities other than that of the injected antibodies. Journal of Experimental Medicine, 1982, 155, 994-1009.	8.5	77
14	Antibodies to murine complement receptor 1 and 2 can inhibit the antibody response in vivo without inhibiting T helper cell induction. Journal of Immunology, 1995, 154, 6524-8.	0.8	76
15	Immunoregulation by monoclonal sheep erythrocyte-specific IgG antibodies: suppression is correlated to level of antigen binding and not to isotype. Journal of Immunology, 1984, 132, 1136-43.	0.8	73
16	Cartilage-binding antibodies induce pain through immune complex-mediated activation of neurons. Journal of Experimental Medicine, 2019, 216, 1904-1924.	8.5	71
17	Fc $\gamma$ RIIB in IgG-Mediated Suppression of Antibody Responses: Different Impact In Vivo and In Vitro. Journal of Immunology, 2001, 167, 5558-5564.	0.8	67
18	A Role for Complement in Feedback Enhancement of Antibody Responses by IgG3. Journal of Experimental Medicine, 2003, 197, 1183-1190.	8.5	66

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19	Dual Immunoregulatory Effects of Monoclonal IgG-Antibodies: Suppression and Enhancement of the Antibody Response. <i>Scandinavian Journal of Immunology</i> , 1989, 29, 439-448.	2.7	64
20	CD23/IgE-mediated regulation of the specific antibody response in vivo. <i>Journal of Immunology</i> , 1994, 152, 4793-800.	0.8	62
21	Inhibition of immunological memory and T-independent humoral responses by monoclonal antibodies specific for murine complement receptors. <i>European Journal of Immunology</i> , 1991, 21, 2501-2506.	2.9	57
22	Antibody Production in Mice Deficient for Complement Receptors 1 and 2 Can Be Induced by IgG/Ag and IgE/Ag, But Not IgM/Ag Complexes. <i>Journal of Immunology</i> , 2000, 165, 2398-2403.	0.8	52
23	How antibodies act as natural adjuvants. <i>Immunology Letters</i> , 2006, 104, 38-45.	2.5	52
24	A Novel B Cell-Mediated Transport of IgE-Immune Complexes to the Follicle of the Spleen. <i>Journal of Immunology</i> , 2008, 180, 6604-6610.	0.8	52
25	Studies on the Mechanism by Which Antigen-Specific IgG Suppresses Primary Antibody Responses: Evidence for Epitope Masking and Decreased Localization of Antigen in the Spleen. <i>Scandinavian Journal of Immunology</i> , 2009, 70, 277-287.	2.7	52
26	Epitope-Specific Suppression of IgG Responses by Passively Administered Specific IgG: Evidence of Epitope Masking. <i>Frontiers in Immunology</i> , 2017, 8, 238.	4.8	51
27	Restoration of the Antibody Response to IgE/Antigen Complexes in CD23-Deficient Mice by CD23+ Spleen or Bone Marrow Cells. <i>Journal of Immunology</i> , 2000, 164, 3990-3995.	0.8	39
28	Complement activation is not required for IgG-mediated suppression of the antibody response. <i>European Journal of Immunology</i> , 1988, 18, 1739-1744.	2.9	37
29	Evidence of IgG-mediated enhancement of the antibody response in vivo without complement activation via the classical pathway. <i>European Journal of Immunology</i> , 1990, 20, 2585-2589.	2.9	37
30	Specific IgM Enhances and IgG Inhibits the Induction of Immunological Memory in Mice. <i>Scandinavian Journal of Immunology</i> , 1985, 21, 255-266.	2.7	36
31	IgE-Mediated Enhancement of CD4+ T Cell Responses in Mice Requires Antigen Presentation by CD11c+ Cells and Not by B Cells. <i>PLoS ONE</i> , 2011, 6, e21760.	2.5	36
32	Early Expansion of Secondary B Cells after Primary Immunization with Antigen Complexed with IgE. <i>Scandinavian Journal of Immunology</i> , 1997, 46, 10-15.	2.7	29
33	IgE Enhances Specific Antibody and T-cell Responses in Mice Overexpressing CD23. <i>Scandinavian Journal of Immunology</i> , 2007, 66, 261-270.	2.7	29
34	Antibodies as Natural Adjuvants. <i>Current Topics in Microbiology and Immunology</i> , 2014, 382, 201-219.	1.1	29
35	Requirement for complement in antibody responses is not explained by the classic pathway activator IgM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E934-42.	7.1	27
36	Fc-Dependent IgG-Mediated Suppression of the Antibody Response: Fact or Artefact?. <i>Scandinavian Journal of Immunology</i> , 1990, 31, 601-607.	2.7	26

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37	CD11c+ Cells Are Required for Antigen-Induced Increase of Mast Cells in the Lung. <i>Journal of Immunology</i> , 2012, 189, 3869-3877.	0.8	26
38	Complement Receptors 1 and 2 in Murine Antibody Responses to IgM-Complexed and Uncomplexed Sheep Erythrocytes. <i>PLoS ONE</i> , 2012, 7, e41968.	2.5	26
39	No role of interleukin-4 in CD23/IgE-mediated enhancement of the murine antibody response in vivo. <i>European Journal of Immunology</i> , 1995, 25, 1469-1472.	2.9	23
40	Antibody feedback suppression: towards a unifying concept?. <i>Immunology Letters</i> , 1999, 68, 41-45.	2.5	23
41	Antigen Transfer from Exosomes to Dendritic Cells as an Explanation for the Immune Enhancement Seen by IgE Immune Complexes. <i>PLoS ONE</i> , 2014, 9, e110609.	2.5	22
42	IgE-Mediated Suppression of Primary Antibody Responses In vivo. <i>Scandinavian Journal of Immunology</i> , 2001, 53, 381-385.	2.7	21
43	Impaired Antibody Responses but Normal Proliferation of Specific CD4 <sup>+</sup> T Cells in Mice Lacking Complement Receptors 1 and 2. <i>Scandinavian Journal of Immunology</i> , 2009, 70, 77-84.	2.7	21
44	Complement-Activating IgM Enhances the Humoral but Not the T Cell Immune Response in Mice. <i>PLoS ONE</i> , 2013, 8, e81299.	2.5	21
45	Marginal Zone B Cells Transport IgG3-Immune Complexes to Splenic Follicles. <i>Journal of Immunology</i> , 2014, 193, 1681-1689.	0.8	20
46	IgG-mediated immune suppression in mice is epitope specific except during high epitope density conditions. <i>Scientific Reports</i> , 2018, 8, 15292.	3.3	19
47	IgG2a-Mediated Enhancement of Antibody Responses is dependent on FcR $\gamma$ <sup>+</sup> Bone Marrow-Derived Cells. <i>Scandinavian Journal of Immunology</i> , 2001, 54, 495-500.	2.7	18
48	IgG3-Mediated Enhancement of the Antibody Response is Normal in Fc $\gamma$ RI-Deficient Mice. <i>Scandinavian Journal of Immunology</i> , 2005, 62, 453-461.	2.7	18
49	No Evidence for a Role of Fc $\gamma$ RIIB in Suppression of In vivo Antibody Responses to Erythrocytes by Passively Administered IgG. <i>Scandinavian Journal of Immunology</i> , 2001, 53, 331-334.	2.7	17
50	IgE-mediated enhancement of CD4 <sup>+</sup> T cell responses requires antigen presentation by CD8 $\alpha$ <sup>+</sup> conventional dendritic cells. <i>Scientific Reports</i> , 2016, 6, 28290.	3.3	17
51	Inhibition of IgG-Mediated Immunosuppression by a Monoclonal Anti-Fc Receptor Antibody. <i>Scandinavian Journal of Immunology</i> , 1989, 29, 121-126.	2.7	16
52	IgG Suppresses Antibody Responses in Mice Lacking C1q, C3, Complement Receptors 1 and 2, or IgG Fc-Receptors. <i>PLoS ONE</i> , 2015, 10, e0143841.	2.5	16
53	IgE-mediated enhancement of antibody responses: the beneficial function of IgE?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2002, 57, 577-585.	5.7	15
54	Impaired antibody responses in H-2Ab mice. <i>Journal of Immunology</i> , 1998, 161, 1765-71.	0.8	15

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55	IgM-mediated enhancement of in vivo anti-sheep erythrocyte antibody responses: Isotype analysis of the enhanced responses. <i>Cellular Immunology</i> , 1985, 92, 134-141.	3.0	14
56	Non-Determinant Specificity of Feedback Immunosuppression by IgG Antibodies Injected after the Antigen. <i>Scandinavian Journal of Immunology</i> , 1988, 27, 361-365.	2.7	11
57	IgG-mediated suppression of antibody responses: Hiding or snatching epitopes?. <i>Scandinavian Journal of Immunology</i> , 2020, 92, e12921.	2.7	11
58	Natural and antibody-dependent killer cells in the thymus. <i>European Journal of Immunology</i> , 1982, 12, 914-921.	2.9	10
59	IgG3-antigen complexes are deposited on follicular dendritic cells in the presence of C1q and C3. <i>Scientific Reports</i> , 2017, 7, 5400.	3.3	9
60	Primary and secondary IgG are equally efficient immunosuppressors in relation to antigen binding capacity. <i>Immunology Letters</i> , 1988, 17, 189-193.	2.5	8
61	Functions of antibodies in the regulation of b cell responses in vivo. <i>Seminars in Immunopathology</i> , 2001, 23, 421-432.	4.0	8
62	Structure, Function, and Production of Immunoglobulin M (IgM). , 2016, , 1-14.		8
63	Specific IgM and Regulation of Antibody Responses. <i>Current Topics in Microbiology and Immunology</i> , 2017, 408, 67-87.	1.1	6
64	Mice Immunized with IgG Anti-Sheep Red Blood Cells (SRBC) Together With SRBC Have a Suppressed Anti-SRBC Antibody Response but Generate Germinal Centers and Anti-IgG Antibodies in Response to the Passively Administered IgG. <i>Frontiers in Immunology</i> , 2017, 8, 911.	4.8	6
65	A Novel Image Analysis Approach Reveals a Role for Complement Receptors 1 and 2 in Follicular Dendritic Cell Organization in Germinal Centers. <i>Frontiers in Immunology</i> , 2021, 12, 655753.	4.8	6
66	Antibody Mediated Regulation of Humoral Immunity. , 2013, , 221-249.		4
67	Antigen Conjugated to Anti-CD23 Antibodies is Rapidly Transported to Splenic Follicles by Recirculating B Cells. <i>Scandinavian Journal of Immunology</i> , 2015, 81, 39-45.	2.7	3
68	Regulation of Humoral Immune Responses and B Cell Tolerance by the IgM Fc Receptor (Fc $\gamma$ 4R). <i>Advances in Experimental Medicine and Biology</i> , 2020, 1254, 75-86.	1.6	3
69	B Cell-mediated Antigen Transport to Splenic Follicles. <i>Scandinavian Journal of Immunology</i> , 2014, 79, 73-74.	2.7	2
70	IgG Suppresses Antibody Responses to Sheep Red Blood Cells in Double Knock-Out Mice Lacking Complement Factor C3 and Activating Fc $\gamma$ 3-Receptors. <i>Frontiers in Immunology</i> , 2020, 11, 1404.	4.8	2
71	IgM is Unable to Enhance Antibody Responses in Mice Lacking C1q or C3. <i>Scandinavian Journal of Immunology</i> , 2017, 85, 381-382.	2.7	1