

Robert A Brink

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127
papers

13,783
citations

55
h-index

117
g-index

136
ext. papers

15,847
ext. citations

16.6
avg, IF

6.16
L-index

#	Paper	IF	Citations
127	Altered immunoglobulin expression and functional silencing of self-reactive B lymphocytes in transgenic mice. <i>Nature</i> , 1988 , 334, 676-82	50.4	1320
126	IAP antagonists target cIAP1 to induce TNFalpha-dependent apoptosis. <i>Cell</i> , 2007 , 131, 682-93	56.2	893
125	Elimination from peripheral lymphoid tissues of self-reactive B lymphocytes recognizing membrane-bound antigens. <i>Nature</i> , 1991 , 353, 765-9	50.4	601
124	Excess BAFF rescues self-reactive B cells from peripheral deletion and allows them to enter forbidden follicular and marginal zone niches. <i>Immunity</i> , 2004 , 20, 785-98	32.3	570
123	Follicular helper T cells are required for systemic autoimmunity. <i>Journal of Experimental Medicine</i> , 2009 , 206, 561-76	16.6	469
122	Circulating precursor CCR7(lo)PD-1(hi) CXCR5+ CD4+ T cells indicate Tfh cell activity and promote antibody responses upon antigen reexposure. <i>Immunity</i> , 2013 , 39, 770-81	32.3	449
121	Induction of self-tolerance in mature peripheral B lymphocytes. <i>Nature</i> , 1989 , 342, 385-91	50.4	441
120	The good, the bad and the ugly - TFH cells in human health and disease. <i>Nature Reviews Immunology</i> , 2013 , 13, 412-26	36.5	402
119	BAFF selectively enhances the survival of plasmablasts generated from human memory B cells. <i>Journal of Clinical Investigation</i> , 2003 , 112, 286-97	15.9	362
118	Antigen recognition strength regulates the choice between extrafollicular plasma cell and germinal center B cell differentiation. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1081-91	16.6	356
117	Control systems and decision making for antibody production. <i>Nature Immunology</i> , 2010 , 11, 681-8	19.1	303
116	B cell-intrinsic signaling through IL-21 receptor and STAT3 is required for establishing long-lived antibody responses in humans. <i>Journal of Experimental Medicine</i> , 2010 , 207, 155-71	16.6	277
115	Follicular dendritic cells emerge from ubiquitous perivascular precursors. <i>Cell</i> , 2012 , 150, 194-206	56.2	276
114	Follicular helper T cell differentiation requires continuous antigen presentation that is independent of unique B cell signaling. <i>Immunity</i> , 2010 , 33, 241-53	32.3	264
113	High affinity germinal center B cells are actively selected into the plasma cell compartment. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2419-24	16.6	255
112	Transcriptional regulation of germinal center B and plasma cell fates by dynamical control of IRF4. <i>Immunity</i> , 2013 , 38, 918-29	32.3	252
111	B cells and the BAFF/APRIL axis: fast-forward on autoimmunity and signaling. <i>Current Opinion in Immunology</i> , 2007 , 19, 327-36	7.8	229

110	Breakdown of self-tolerance in anergic B lymphocytes. <i>Nature</i> , 1991 , 352, 532-6	50.4	224
109	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1-TRAF2 complex to sensitize tumor cells to TNFalpha. <i>Journal of Cell Biology</i> , 2008 , 182, 171-84	7.3	206
108	Identification of Bcl-6-dependent follicular helper NKT cells that provide cognate help for B cell responses. <i>Nature Immunology</i> , 2011 , 13, 35-43	19.1	205
107	Guidance of B cells by the orphan G protein-coupled receptor EB12 shapes humoral immune responses. <i>Immunity</i> , 2009 , 31, 259-69	32.3	205
106	Dock8 mutations cripple B cell immunological synapses, germinal centers and long-lived antibody production. <i>Nature Immunology</i> , 2009 , 10, 1283-91	19.1	202
105	TRAF2 and TRAF3 signal adapters act cooperatively to control the maturation and survival signals delivered to B cells by the BAFF receptor. <i>Immunity</i> , 2008 , 28, 391-401	32.3	199
104	B cell priming for extrafollicular antibody responses requires Bcl-6 expression by T cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1377-88	16.6	198
103	TRAF2 differentially regulates the canonical and noncanonical pathways of NF-kappaB activation in mature B cells. <i>Immunity</i> , 2004 , 21, 629-42	32.3	189
102	B cell receptor-independent stimuli trigger immunoglobulin (Ig) class switch recombination and production of IgG autoantibodies by anergic self-reactive B cells. <i>Journal of Experimental Medicine</i> , 2003 , 197, 845-60	16.6	178
101	Antigen affinity controls rapid T-dependent antibody production by driving the expansion rather than the differentiation or extrafollicular migration of early plasmablasts. <i>Journal of Immunology</i> , 2009 , 183, 3139-49	5.3	166
100	Redemption of autoantibodies on anergic B cells by variable-region glycosylation and mutation away from self-reactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2567-75	11.5	150
99	Microbe-dependent lymphatic migration of neutrophils modulates lymphocyte proliferation in lymph nodes. <i>Nature Communications</i> , 2015 , 6, 7139	17.4	137
98	Differentiation of germinal center B cells into plasma cells is initiated by high-affinity antigen and completed by Tfh cells. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1259-1267	16.6	135
97	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. <i>Nature Medicine</i> , 2013 , 19, 595-602	50.5	128
96	T follicular helper cells have distinct modes of migration and molecular signatures in naive and memory immune responses. <i>Immunity</i> , 2015 , 42, 704-18	32.3	125
95	The germinal center reaction. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 898-907; quiz 908-9	11.5	124
94	Immunoglobulin M and D antigen receptors are both capable of mediating B lymphocyte activation, deletion, or anergy after interaction with specific antigen. <i>Journal of Experimental Medicine</i> , 1992 , 176, 991-1005	16.6	123
93	The chemotactic receptor EB12 regulates the homeostasis, localization and immunological function of splenic dendritic cells. <i>Nature Immunology</i> , 2013 , 14, 446-53	19.1	122

92	Roquin differentiates the specialized functions of duplicated T cell costimulatory receptor genes CD28 and ICOS. <i>Immunity</i> , 2009 , 30, 228-41	32.3	117
91	CCR6 Defines Memory B Cell Precursors in Mouse and Human Germinal Centers, Revealing Light-Zone Location and Predominant Low Antigen Affinity. <i>Immunity</i> , 2017 , 47, 1142-1153.e4	32.3	107
90	Plasma cell and memory B cell differentiation from the germinal center. <i>Current Opinion in Immunology</i> , 2017 , 45, 97-102	7.8	93
89	Regulation of TNFRSF and innate immune signalling complexes by TRAFs and cIAPs. <i>Cell Death and Differentiation</i> , 2010 , 17, 35-45	12.7	93
88	Elimination of germinal-center-derived self-reactive B cells is governed by the location and concentration of self-antigen. <i>Immunity</i> , 2012 , 37, 893-904	32.3	89
87	Anergic self-reactive B cells present self antigen and respond normally to CD40-dependent T-cell signals but are defective in antigen-receptor-mediated functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 4392-6	11.5	88
86	Increased CD4 ⁺ Foxp3 ⁺ T cells in BAFF-transgenic mice suppress T cell effector responses. <i>Journal of Immunology</i> , 2009 , 182, 793-801	5.3	83
85	Deletion of cIAP1 and cIAP2 in murine B lymphocytes constitutively activates cell survival pathways and inactivates the germinal center response. <i>Blood</i> , 2011 , 117, 4041-51	2.2	82
84	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. <i>Science</i> , 2018 , 360, 223-226	33.3	75
83	Altered migration, recruitment, and somatic hypermutation in the early response of marginal zone B cells to T cell-dependent antigen. <i>Journal of Immunology</i> , 2005 , 174, 4567-78	5.3	75
82	Complete structural characterisation of the mammalian and Drosophila TRAF genes: implications for TRAF evolution and the role of RING finger splice variants. <i>Molecular Immunology</i> , 2000 , 37, 721-34	4.3	75
81	Self tolerance in the B-cell repertoire. <i>Immunological Reviews</i> , 1991 , 122, 5-19	11.3	68
80	Regulation of B cell self-tolerance by BAFF. <i>Seminars in Immunology</i> , 2006 , 18, 276-83	10.7	67
79	Affinity-based selection and the germinal center response. <i>Immunological Reviews</i> , 2012 , 247, 11-23	11.3	66
78	EBI2 operates independently of but in cooperation with CXCR5 and CCR7 to direct B cell migration and organization in follicles and the germinal center. <i>Journal of Immunology</i> , 2011 , 187, 4621-8	5.3	64
77	FAS Inactivation Releases Unconventional Germinal Center B Cells that Escape Antigen Control and Drive IgE and Autoantibody Production. <i>Immunity</i> , 2015 , 42, 890-902	32.3	59
76	Regulation of T follicular helper cell formation and function by antigen presenting cells. <i>Current Opinion in Immunology</i> , 2011 , 23, 111-8	7.8	58
75	Reduced switching in SCID B cells is associated with altered somatic mutation of recombined S regions. <i>Journal of Immunology</i> , 2003 , 171, 6556-64	5.3	58

74	TRAF3 regulates the effector function of regulatory T cells and humoral immune responses. <i>Journal of Experimental Medicine</i> , 2014 , 211, 137-51	16.6	55
73	Tumor necrosis factor receptor (TNFR)-associated factor 2A (TRAF2A), a TRAF2 splice variant with an extended RING finger domain that inhibits TNFR2-mediated NF-kappaB activation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 4129-34	5.4	55
72	Aryl hydrocarbon receptor is required for optimal B-cell proliferation. <i>EMBO Journal</i> , 2017 , 36, 116-128	13	53
71	Germline-activating mutations in compromise B cell development and function. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2073-2095	16.6	53
70	IL-17-producing NKT cells depend exclusively on IL-7 for homeostasis and survival. <i>Mucosal Immunology</i> , 2014 , 7, 1058-67	9.2	53
69	Memory B cells are reactivated in subcapsular proliferative foci of lymph nodes. <i>Nature Communications</i> , 2018 , 9, 3372	17.4	50
68	B cell localization: regulation by EBI2 and its oxysterol ligand. <i>Trends in Immunology</i> , 2013 , 34, 336-41	14.4	50
67	Using the transcription factor inhibitor of DNA binding 1 to selectively target endothelial progenitor cells offers novel strategies to inhibit tumor angiogenesis and growth. <i>Cancer Research</i> , 2010 , 70, 7273-82	10.1	50
66	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. <i>Cell</i> , 2021 , 184, 1330-1347	34.2	49
65	Access to follicular dendritic cells is a pivotal step in murine chronic lymphocytic leukemia B-cell activation and proliferation. <i>Cancer Discovery</i> , 2014 , 4, 1448-65	24.4	48
64	Non-Canonical NF- κ B Signaling Initiated by BAFF Influences B Cell Biology at Multiple Junctures. <i>Frontiers in Immunology</i> , 2014 , 4, 509	8.4	46
63	The imperfect control of self-reactive germinal center B cells. <i>Current Opinion in Immunology</i> , 2014 , 28, 97-101	7.8	45
62	In vivo photolabeling of tumor-infiltrating cells reveals highly regulated egress of T-cell subsets from tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5677-5682	11.5	44
61	Self-Reactive B Cells in the Germinal Center Reaction. <i>Annual Review of Immunology</i> , 2018 , 36, 339-357	34.7	44
60	Hepatic TRAF2 regulates glucose metabolism through enhancing glucagon responses. <i>Diabetes</i> , 2012 , 61, 566-73	0.9	41
59	Real-time interactive two-photon photoconversion of recirculating lymphocytes for discontinuous cell tracking in live adult mice. <i>Journal of Biophotonics</i> , 2014 , 7, 425-33	3.1	40
58	Tumor necrosis factor receptor 2 (TNFR2) signaling is negatively regulated by a novel, carboxyl-terminal TNFR-associated factor 2 (TRAF2)-binding site. <i>Journal of Biological Chemistry</i> , 2005 , 280, 31572-81	5.4	39
57	Nuclear factor κ B-inducing kinase activation as a mechanism of pancreatic β cell failure in obesity. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1239-54	16.6	38

56	IL-21 and IL-4 Collaborate To Shape T-Dependent Antibody Responses. <i>Journal of Immunology</i> , 2015 , 195, 5123-35	5.3	36
55	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. <i>Cell</i> , 2020 , 180, 878-894.e19	56.2	35
54	MicroRNA-155 controls affinity-based selection by protecting c-MYC+ B cells from apoptosis. <i>Journal of Clinical Investigation</i> , 2016 , 126, 377-88	15.9	35
53	Visualizing the effects of antigen affinity on T-dependent B-cell differentiation. <i>Immunology and Cell Biology</i> , 2008 , 86, 31-9	5	34
52	Impaired B cell development in the absence of Krüppel-like factor 3. <i>Journal of Immunology</i> , 2011 , 187, 5032-42	5.3	33
51	Activating mutations in PIK3CD disrupt the differentiation and function of human and murine CD4 T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 144, 236-253	11.5	31
50	In vivo control of B-cell survival and antigen-specific B-cell responses. <i>Immunological Reviews</i> , 2010 , 237, 90-103	11.3	29
49	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019 , 20, 1299-1310	19.1	29
48	Myeloid cell TRAF3 promotes metabolic inflammation, insulin resistance, and hepatic steatosis in obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E460-9	6	27
47	Diacylglycerol kinase β limits B cell antigen receptor-dependent activation of ERK signaling to inhibit early antibody responses. <i>Science Signaling</i> , 2013 , 6, ra91	8.8	22
46	The Role of Follicular Helper T Cell Molecules and Environmental Influences in Autoantibody Production and Progression to Inflammatory Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2016 , 68, 1026-38	2.5	22
45	Murine LRBA deficiency causes CTLA-4 deficiency in Tregs without progression to immune dysregulation. <i>Immunology and Cell Biology</i> , 2017 , 95, 775-788	5	21
44	SnapShot: Interactions between B Cells and T Cells. <i>Cell</i> , 2015 , 162, 926-6.e1	56.2	19
43	B-cell-specific STAT3 deficiency: Insight into the molecular basis of autosomal-dominant hyper-IgE syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1455-1458.e3	11.5	19
42	Activated PI3K β breaches multiple B cell tolerance checkpoints and causes autoantibody production. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	18
41	IL-27 Directly Enhances Germinal Center B Cell Activity and Potentiates Lupus in Sanroque Mice. <i>Journal of Immunology</i> , 2016 , 197, 3008-3017	5.3	17
40	Knockout of glucose transporter GLUT6 has minimal effects on whole body metabolic physiology in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E286-E293	6	17
39	Censoring of self-reactive B cells by follicular dendritic cell-displayed self-antigen. <i>Journal of Immunology</i> , 2013 , 191, 1082-90	5.3	16

38	Interleukin-27 signaling promotes immunity against endogenously arising murine tumors. <i>PLoS ONE</i> , 2013 , 8, e57469	3.7	16
37	IgD expression on B cells is more efficient than IgM but both receptors are functionally equivalent in up-regulation CD80/CD86 co-stimulatory molecules. <i>European Journal of Immunology</i> , 1995 , 25, 1980-4	6.1	16
36	Selection in the germinal center. <i>Current Opinion in Immunology</i> , 2020 , 63, 29-34	7.8	16
35	B cell-intrinsic requirement for STK4 in humoral immunity in mice and human subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 2302-2305	11.5	15
34	Interaction of human, rat, and mouse immunoglobulin A (IgA) with Staphylococcal superantigen-like 7 (SSL7) decoy protein and leukocyte IgA receptor. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33118-24	5.4	14
33	Atypical chemokine receptor 4 shapes activated B cell fate. <i>Journal of Experimental Medicine</i> , 2018 , 215, 801-813	16.6	13
32	GPR65 inhibits experimental autoimmune encephalomyelitis through CD4 T cell independent mechanisms that include effects on iNKT cells. <i>Immunology and Cell Biology</i> , 2018 , 96, 128-136	5	13
31	High-affinity B cell receptor ligation by cognate antigen induces cytokine-independent isotype switching. <i>Journal of Immunology</i> , 2010 , 184, 6592-9	5.3	13
30	Lineage-specific transgene expression in hematopoietic cells using a Cre-regulated retroviral vector. <i>Journal of Immunological Methods</i> , 2010 , 360, 162-6	2.5	13
29	IL-2 Shapes the Survival and Plasticity of IL-17-Producing γ T Cells. <i>Journal of Immunology</i> , 2017 , 199, 2366-2376	5.3	12
28	The SW(HEL) system for high-resolution analysis of in vivo antigen-specific T-dependent B cell responses. <i>Methods in Molecular Biology</i> , 2015 , 1291, 103-23	1.4	12
27	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. <i>Nature Communications</i> , 2021 , 12, 2444	17.4	12
26	SAMHD1 enhances immunoglobulin hypermutation by promoting transversion mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4921-4926	11.5	10
25	BAFFR controls early memory B cell responses but is dispensable for germinal center function. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	10
24	Positive selection of IgG over IgM B cells in the germinal center reaction. <i>Immunity</i> , 2021 , 54, 988-1001.e523	5.3	10
23	TRAF2 regulates peripheral CD8(+) T-cell and NKT-cell homeostasis by modulating sensitivity to IL-15. <i>European Journal of Immunology</i> , 2015 , 45, 1820-31	6.1	9
22	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. <i>Molecular Metabolism</i> , 2020 , 41, 101048	8.8	9
21	Antigen-affinity controls pre-germinal center B cell selection by promoting Mcl-1 induction through BAFF receptor signaling. <i>Scientific Reports</i> , 2016 , 6, 35673	4.9	9

20	Differential regulation of early and late stages of B lymphocyte development by the mu and delta membrane heavy chains of Ig. <i>International Immunology</i> , 1994 , 6, 1905-16	4.9	9
19	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. <i>MAbs</i> , 2021 , 13, 1922134	6.6	9
18	The unique biology of germinal center B cells. <i>Immunity</i> , 2021 , 54, 1652-1664	32.3	9
17	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. <i>Immunity</i> , 2021 ,	32.3	8
16	Restriction of memory B cell differentiation at the germinal center B cell positive selection stage. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	8
15	Collaboration between tumor-specific CD4+ T cells and B cells in anti-cancer immunity. <i>Oncotarget</i> , 2016 , 7, 30211-29	3.3	7
14	Germinal-center B cells in the zone. <i>Immunity</i> , 2007 , 26, 552-4	32.3	6
13	Targeted deletion of Traf2 allows immunosuppression-free islet allograft survival in mice. <i>Diabetologia</i> , 2017 , 60, 679-689	10.3	5
12	Structural basis of antigen recognition: crystal structure of duck egg lysozyme. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017 , 73, 910-920	5.5	5
11	Conformational diversity facilitates antibody mutation trajectories and discrimination between foreign and self-antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22341-22350	11.5	4
10	Chronic bacterial infection activates autoreactive B cells and induces isotype switching and autoantigen-driven mutations. <i>European Journal of Immunology</i> , 2016 , 46, 131-46	6.1	4
9	Germinal centers and autoantibodies. <i>Immunology and Cell Biology</i> , 2020 , 98, 480-489	5	3
8	LOX-1 unlocks human plasma cell potential. <i>Immunity</i> , 2014 , 41, 507-8	32.3	3
7	Tolerance and Autoimmunity: B Cells 2006 , 167-177		2
6	A Future Outlook on Molecular Mechanisms of Immunity. <i>Trends in Immunology</i> , 2020 , 41, 549-555	14.4	0
5	Loss-of-function of Fbxo10, encoding a post-translational regulator of BCL2 in lymphomas, has no discernible effect on BCL2 or B lymphocyte accumulation in mice. <i>PLoS ONE</i> , 2021 , 16, e0237830	3.7	0
4	EBI2 unlocks the door to the Tfh cell nursery. <i>Immunology and Cell Biology</i> , 2016 , 94, 621-2	5	0
3	Micromanaging memory with immunoglobulin microclusters. <i>Immunity</i> , 2010 , 32, 732-3	32.3	

- 2 TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1 \square TRAF2 complex to sensitize tumor cells to TNF \square *Journal of Experimental Medicine*, **2008**, 205, i18-i18 16.6
- 1 Regulation of B-Cell Self-Tolerance By BAFF and the Molecular Basis of Its Action **2009**, 43-63