

Robert A Brink

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6982309/robert-a-brink-publications-by-year.pdf>

Version: 2024-04-27

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.

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	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
126	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
125	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. <i>Cell</i> , 2021 , 184, 1330-1347.e1349	47.2	149
124	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
123	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
122	Positive selection of IgG over IgM B cells in the germinal center reaction. <i>Immunity</i> , 2021 , 54, 988-1001.e523	32.3	10
121	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. <i>MAbs</i> , 2021 , 13, 1922134	6.6	9
120	The unique biology of germinal center B cells. <i>Immunity</i> , 2021 , 54, 1652-1664	32.3	9
119	A Future Outlook on Molecular Mechanisms of Immunity. <i>Trends in Immunology</i> , 2020 , 41, 549-555	14.4	0
118	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. <i>Molecular Metabolism</i> , 2020 , 41, 101048	8.8	9
117	Germinal centers and autoantibodies. <i>Immunology and Cell Biology</i> , 2020 , 98, 480-489	5	3
116	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. <i>Cell</i> , 2020 , 180, 878-894.e19	56.2	35
115	Selection in the germinal center. <i>Current Opinion in Immunology</i> , 2020 , 63, 29-34	7.8	16
114	Activated PI3K β breaches multiple B cell tolerance checkpoints and causes autoantibody production. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	18
113	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
112	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
111	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

110	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
109	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019 , 20, 1299-1310	19.1	29
108	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
107	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. <i>Science</i> , 2018 , 360, 223-226	33.3	75
106	Atypical chemokine receptor 4 shapes activated B cell fate. <i>Journal of Experimental Medicine</i> , 2018 , 215, 801-813	16.6	13
105	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
104	Self-Reactive B Cells in the Germinal Center Reaction. <i>Annual Review of Immunology</i> , 2018 , 36, 339-357	34.7	44
103	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
102	Germline-activating mutations in compromise B cell development and function. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2073-2095	16.6	53
101	Memory B cells are reactivated in subcapsular proliferative foci of lymph nodes. <i>Nature Communications</i> , 2018 , 9, 3372	17.4	50
100	Targeted deletion of Traf2 allows immunosuppression-free islet allograft survival in mice. <i>Diabetologia</i> , 2017 , 60, 679-689	10.3	5
99	Aryl hydrocarbon receptor is required for optimal B-cell proliferation. <i>EMBO Journal</i> , 2017 , 36, 116-128	13	53
98	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
97	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
96	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
95	Plasma cell and memory B cell differentiation from the germinal center. <i>Current Opinion in Immunology</i> , 2017 , 45, 97-102	7.8	93
94	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
93	IL-2 Shapes the Survival and Plasticity of IL-17-Producing Γ Cells. <i>Journal of Immunology</i> , 2017 , 199, 2366-2376	5.3	12

92	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
91	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
90	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
89	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
88	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
87	Collaboration between tumor-specific CD4+ T cells and B cells in anti-cancer immunity. <i>Oncotarget</i> , 2016 , 7, 30211-29	3.3	7
86	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, 1028-38	9.5	22
85	EBI2 unlocks the door to the Tfh cell nursery. <i>Immunology and Cell Biology</i> , 2016 , 94, 621-2	5	0
84	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
83	Nuclear factor B-inducing kinase activation as a mechanism of pancreatic T cell failure in obesity. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1239-54	16.6	38
82	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
81	Microbe-dependent lymphatic migration of neutrophils modulates lymphocyte proliferation in lymph nodes. <i>Nature Communications</i> , 2015 , 6, 7139	17.4	137
80	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
79	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
78	IL-21 and IL-4 Collaborate To Shape T-Dependent Antibody Responses. <i>Journal of Immunology</i> , 2015 , 195, 5123-35	5.3	36
77	SnapShot: Interactions between B Cells and T Cells. <i>Cell</i> , 2015 , 162, 926-6.e1	56.2	19
76	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
75	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

74	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
73	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
72	LOX-1 unlocks human plasma cell potential. <i>Immunity</i> , 2014 , 41, 507-8	32.3	3
71	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
70	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
69	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
68	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
67	The imperfect control of self-reactive germinal center B cells. <i>Current Opinion in Immunology</i> , 2014 , 28, 97-101	7.8	45
66	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
65	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
64	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
63	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
62	B cell localization: regulation by EB12 and its oxysterol ligand. <i>Trends in Immunology</i> , 2013 , 34, 336-41	14.4	50
61	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
60	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. <i>Nature Medicine</i> , 2013 , 19, 595-602	50.5	128
59	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
58	Interleukin-27 signaling promotes immunity against endogenously arising murine tumors. <i>PLoS ONE</i> , 2013 , 8, e57469	3.7	16
57	Affinity-based selection and the germinal center response. <i>Immunological Reviews</i> , 2012 , 247, 11-23	11.3	66

56	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
55	Follicular dendritic cells emerge from ubiquitous perivascular precursors. <i>Cell</i> , 2012 , 150, 194-206	56.2	276
54	Hepatic TRAF2 regulates glucose metabolism through enhancing glucagon responses. <i>Diabetes</i> , 2012 , 61, 566-73	0.9	41
53	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
52	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
51	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
50	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
49	Impaired B cell development in the absence of Krüppel-like factor 3. <i>Journal of Immunology</i> , 2011 , 187, 5032-42	5.3	33
48	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
47	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
46	In vivo control of B-cell survival and antigen-specific B-cell responses. <i>Immunological Reviews</i> , 2010 , 237, 90-103	11.3	29
45	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
44	Control systems and decision making for antibody production. <i>Nature Immunology</i> , 2010 , 11, 681-8	19.1	303
43	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
42	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
41	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
40	The germinal center reaction. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 898-907; quiz 908-9	11.5	124
39	Micromanaging memory with immunoglobulin microclusters. <i>Immunity</i> , 2010 , 32, 732-3	32.3	

38	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
37	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
36	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
35	Follicular helper T cells are required for systemic autoimmunity. <i>Journal of Experimental Medicine</i> , 2009 , 206, 561-76	16.6	469
34	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
33	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
32	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
31	Guidance of B cells by the orphan G protein-coupled receptor EBI2 shapes humoral immune responses. <i>Immunity</i> , 2009 , 31, 259-69	32.3	205
30	Regulation of B-Cell Self-Tolerance By BAFF and the Molecular Basis of Its Action 2009 , 43-63		
29	Visualizing the effects of antigen affinity on T-dependent B-cell differentiation. <i>Immunology and Cell Biology</i> , 2008 , 86, 31-9	5	34
28	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
27	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
26	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1-TRAF2 complex to sensitize tumor cells to TNFalpha. <i>Journal of Experimental Medicine</i> , 2008 , 205, 118-18	16.6	
25	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
24	IAP antagonists target cIAP1 to induce TNFalpha-dependent apoptosis. <i>Cell</i> , 2007 , 131, 682-93	56.2	893
23	Germinal-center B cells in the zone. <i>Immunity</i> , 2007 , 26, 552-4	32.3	6
22	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
21	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

20	Regulation of B cell self-tolerance by BAFF. <i>Seminars in Immunology</i> , 2006 , 18, 276-83	10.7	67
19	Tolerance and Autoimmunity: B Cells 2006 , 167-177		2
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Breakdown of self-tolerance in anergic B lymphocytes. <i>Nature</i> , 1991 , 352, 532-6	50.4	224
4	Elimination from peripheral lymphoid tissues of self-reactive B lymphocytes recognizing membrane-bound antigens. <i>Nature</i> , 1991 , 353, 765-9	50.4	601
3	Self tolerance in the B-cell repertoire. <i>Immunological Reviews</i> , 1991 , 122, 5-19	11.3	68

- | | | | |
|---|---|------|------|
| 2 | Induction of self-tolerance in mature peripheral B lymphocytes. <i>Nature</i> , 1989 , 342, 385-91 | 50.4 | 441 |
| 1 | Altered immunoglobulin expression and functional silencing of self-reactive B lymphocytes in transgenic mice. <i>Nature</i> , 1988 , 334, 676-82 | 50.4 | 1320 |