Robert A Brink

List of Publications by Year
in descending order

130 papers	17,103 citations	19636 61 h-index	14736 127 g-index
136 all docs	136 docs citations	136 times ranked	17914 citing authors

#	Article	IF	Citations
1	Altered immunoglobulin expression and functional silencing of self-reactive B lymphocytes in transgenic mice. Nature, 1988, 334, 676-682.	13.7	1,475
2	IAP Antagonists Target cIAP1 to Induce TNFÎ±-Dependent Apoptosis. Cell, 2007, 131, 682-693.	13.5	993
3	Excess BAFF Rescues Self-Reactive B Cells from Peripheral Deletion and Allows Them to Enter Forbidden Follicular and Marginal Zone Niches. Immunity, 2004, 20, 785-798.	6.6	651
4	Elimination from peripheral lymphoid tissues of self-reactive B lymphocytes recognizing membrane-bound antigens. Nature, 1991, 353, 765-769.	13.7	649
5	Circulating Precursor CCR7loPD-1hi CXCR5+ CD4+ T Cells Indicate Tfh Cell Activity and Promote Antibody Responses upon Antigen Reexposure. Immunity, 2013, 39, 770-781.	6.6	571
6	Follicular helper T cells are required for systemic autoimmunity. Journal of Experimental Medicine, 2009, 206, 561-576.	4.2	530
7	Induction of self-tolerance in mature peripheral B lymphocytes. Nature, 1989, 342, 385-391.	13.7	494
8	The good, the bad and the ugly â€" TFH cells in human health and disease. Nature Reviews Immunology, 2013, 13, 412-426.	10.6	475
9	Antigen recognition strength regulates the choice between extrafollicular plasma cell and germinal center B cell differentiation. Journal of Experimental Medicine, 2006, 203, 1081-1091.	4.2	454
10	BAFF selectively enhances the survival of plasmablasts generated from human memory B cells. Journal of Clinical Investigation, 2003, 112, 286-297.	3.9	429
11	Transcriptional Regulation of Germinal Center B and Plasma Cell Fates by Dynamical Control of IRF4. Immunity, 2013, 38, 918-929.	6.6	356
12	Control systems and decision making for antibody production. Nature Immunology, 2010, 11, 681-688.	7.0	355
13	B cellâ€"intrinsic signaling through IL-21 receptor and STAT3 is required for establishing long-lived antibody responses in humans. Journal of Experimental Medicine, 2010, 207, 155-171.	4.2	346
14	Follicular Dendritic Cells Emerge from Ubiquitous Perivascular Precursors. Cell, 2012, 150, 194-206.	13.5	329
15	High affinity germinal center B cells are actively selected into the plasma cell compartment. Journal of Experimental Medicine, 2006, 203, 2419-2424.	4.2	322
16	Follicular Helper T Cell Differentiation Requires Continuous Antigen Presentation that Is Independent of Unique B Cell Signaling. Immunity, 2010, 33, 241-253.	6.6	299
17	B cells and the BAFF/APRIL axis: fast-forward on autoimmunity and signaling. Current Opinion in Immunology, 2007, 19, 327-336.	2.4	253
18	B cell priming for extrafollicular antibody responses requires Bcl-6 expression by T cells. Journal of Experimental Medicine, 2011, 208, 1377-1388.	4.2	250

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19	Identification of Bcl-6-dependent follicular helper NKT cells that provide cognate help for B cell responses. Nature Immunology, 2012, 13, 35-43.	7.0	249
20	Guidance of B Cells by the Orphan G Protein-Coupled Receptor EBI2 Shapes Humoral Immune Responses. Immunity, 2009, 31, 259-269.	6.6	248
21	Breakdown of self-tolerance in anergic B lymphocytes. Nature, 1991, 352, 532-536.	13.7	242
22	Dock8 mutations cripple B cell immunological synapses, germinal centers and long-lived antibody production. Nature Immunology, 2009, 10, 1283-1291.	7.0	236
23	TRAF2 and TRAF3 Signal Adapters Act Cooperatively to Control the Maturation and Survival Signals Delivered to B Cells by the BAFF Receptor. Immunity, 2008, 28, 391-401.	6.6	235
24	Differentiation of germinal center B cells into plasma cells is initiated by high-affinity antigen and completed by Tfh cells. Journal of Experimental Medicine, 2017, 214, 1259-1267.	4.2	232
25	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1â€“TRAF2 complex to sensitize tumor cells to TNFÎ±. Journal of Cell Biology, 2008, 182, 171-184.	2.3	226
26	B Cell Receptorâ€“independent Stimuli Trigger Immunoglobulin (Ig) Class Switch Recombination and Production of IgG Autoantibodies by Anergic Self-Reactive B Cells. Journal of Experimental Medicine, 2003, 197, 845-860.	4.2	217
27	Redemption of autoantibodies on anergic B cells by variable-region glycosylation and mutation away from self-reactivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2567-75.	3.3	208
28	TRAF2 Differentially Regulates the Canonical and Noncanonical Pathways of NF-ÎºB Activation in Mature B Cells. Immunity, 2004, 21, 629-642.	6.6	205
29	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. Cell, 2021, 184, 1330-1347.e13.	13.5	203
30	Antigen Affinity Controls Rapid T-Dependent Antibody Production by Driving the Expansion Rather than the Differentiation or Extrafollicular Migration of Early Plasmablasts. Journal of Immunology, 2009, 183, 3139-3149.	0.4	201
31	CCR6 Defines Memory B Cell Precursors in Mouse and Human Germinal Centers, Revealing Light-Zone Location and Predominant Low Antigen Affinity. Immunity, 2017, 47, 1142-1153.e4.	6.6	196
32	Microbe-dependent lymphatic migration of neutrophils modulates lymphocyte proliferation in lymph nodes. Nature Communications, 2015, 6, 7139.	5.8	190
33	The chemotactic receptor EBI2 regulates the homeostasis, localization and immunological function of splenic dendritic cells. Nature Immunology, 2013, 14, 446-453.	7.0	188
34	T Follicular Helper Cells Have Distinct Modes of Migration and Molecular Signatures in Naive and Memory Immune Responses. Immunity, 2015, 42, 704-718.	6.6	159
35	The germinal center reaction. Journal of Allergy and Clinical Immunology, 2010, 126, 898-907.	1.5	158
36	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. Nature Medicine, 2013, 19, 595-602.	15.2	156

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37	Immunoglobulin M and D antigen receptors are both capable of mediating B lymphocyte activation, deletion, or anergy after interaction with specific antigen.. Journal of Experimental Medicine, 1992, 176, 991-1005.	4.2	142
38	Plasma cell and memory B cell differentiation from the germinal center. Current Opinion in Immunology, 2017, 45, 97-102.	2.4	139
39	Roquin Differentiates the Specialized Functions of Duplicated T Cell Costimulatory Receptor Genes Cd28 and Icos. Immunity, 2009, 30, 228-241.	6.6	129
40	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. Science, 2018, 360, 223-226.	6.0	122
41	Elimination of Germinal-Center-Derived Self-Reactive B Cells Is Governed by the Location and Concentration of Self-Antigen. Immunity, 2012, 37, 893-904.	6.6	113
42	Regulation of TNFRSF and innate immune signalling complexes by TRAFs and cIAPs. Cell Death and Differentiation, 2010, 17, 35-45.	5.0	103
43	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.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4392-4396.	3.3	98
44	Increased CD4+Foxp3+ T Cells in BAFF-Transgenic Mice Suppress T Cell Effector Responses. Journal of Immunology, 2009, 182, 793-801.	0.4	94
45	Deletion of cIAP1 and cIAP2 in murine B lymphocytes constitutively activates cell survival pathways and inactivates the germinal center response. Blood, 2011, 117, 4041-4051.	0.6	92
46	Memory B cells are reactivated in subcapsular proliferative foci of lymph nodes. Nature Communications, 2018, 9, 3372.	5.8	88
47	Complete structural characterisation of the mammalian and Drosophila TRAF genes: implications for TRAF evolution and the role of RING finger splice variants. Molecular Immunology, 2000, 37, 721-734.	1.0	86
48	Altered Migration, Recruitment, and Somatic Hypermutation in the Early Response of Marginal Zone B Cells to T Cell-Dependent Antigen. Journal of Immunology, 2005, 174, 4567-4578.	0.4	85
49	The unique biology of germinal center B cells. Immunity, 2021, 54, 1652-1664.	6.6	84
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. Journal of Immunology, 2011, 187, 4621-4628.	0.4	83
51	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. Cell, 2020, 180, 878-894.e19.	13.5	82
52	Affinityâ€based selection and the germinal center response. Immunological Reviews, 2012, 247, 11-23.	2.8	81
53	Germline-activating mutations in PIK3CD compromise B cell development and function. Journal of Experimental Medicine, 2018, 215, 2073-2095.	4.2	79
54	FAS Inactivation Releases Unconventional Germinal Center B Cells that Escape Antigen Control and Drive IgE and Autoantibody Production. Immunity, 2015, 42, 890-902.	6.6	77

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55	Self Tolerance in the B-Cell Repertoire. Immunological Reviews, 1991, 122, 5-19.	2.8	75
56	Regulation of T follicular helper cell formation and function by antigen presenting cells. Current Opinion in Immunology, 2011, 23, 111-118.	2.4	74
57	Aryl hydrocarbon receptor is required for optimal Bâ€cell proliferation. EMBO Journal, 2017, 36, 116-128.	3.5	74
58	Regulation of B cell self-tolerance by BAFF. Seminars in Immunology, 2006, 18, 276-283.	2.7	71
59	IL-17-producing NKT cells depend exclusively on IL-7 for homeostasis and survival. Mucosal Immunology, 2014, 7, 1058-1067.	2.7	68
60	Self-Reactive B Cells in the Germinal Center Reaction. Annual Review of Immunology, 2018, 36, 339-357.	9.5	65
61	B cell localization: regulation by EBI2 and its oxysterol ligand. Trends in Immunology, 2013, 34, 336-341.	2.9	64
62	TRAF3 regulates the effector function of regulatory T cells and humoral immune responses. Journal of Experimental Medicine, 2014, 211, 137-151.	4.2	64
63	Using the Transcription Factor Inhibitor of DNA Binding 1 to Selectively Target Endothelial Progenitor Cells Offers Novel Strategies to Inhibit Tumor Angiogenesis and Growth. Cancer Research, 2010, 70, 7273-7282.	0.4	63
64	Tumor Necrosis Factor Receptor (TNFR)-associated Factor 2A (TRAF2A), a TRAF2 Splice Variant with an Extended RING Finger Domain That Inhibits TNFR2-mediated NF-ÎºB Activation. Journal of Biological Chemistry, 1998, 273, 4129-4134.	1.6	62
65	Reduced Switching inSCIDB Cells Is Associated with Altered Somatic Mutation of Recombined S Regions. Journal of Immunology, 2003, 171, 6556-6564.	0.4	62
66	Non-Canonical NF-ÎºB Signaling Initiated by BAFF Influences B Cell Biology at Multiple Junctures. Frontiers in Immunology, 2014, 4, 509.	2.2	62
67	In vivo photolabeling of tumor-infiltrating cells reveals highly regulated egress of T-cell subsets from tumors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5677-5682.	3.3	62
68	Access to Follicular Dendritic Cells Is a Pivotal Step in Murine Chronic Lymphocytic Leukemia B-cell Activation and Proliferation. Cancer Discovery, 2014, 4, 1448-1465.	7.7	60
69	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	5.8	58
70	IL-21 and IL-4 Collaborate To Shape T-Dependent Antibody Responses. Journal of Immunology, 2015, 195, 5123-5135.	0.4	54
71	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	7.0	53
72	The imperfect control of self-reactive germinal center B cells. Current Opinion in Immunology, 2014, 28, 97-101.	2.4	52

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73	Nuclear factor ÎºBâ€“inducing kinase activation as a mechanism of pancreatic Î² cell failure in obesity. Journal of Experimental Medicine, 2015, 212, 1239-1254.	4.2	52
74	Hepatic TRAF2 Regulates Glucose Metabolism Through Enhancing Glucagon Responses. Diabetes, 2012, 61, 566-573.	0.3	50
75	Realâ€time interactive twoâ€photon photoconversion of recirculating lymphocytes for discontinuous cell tracking in live adult mice. Journal of Biophotonics, 2014, 7, 425-433.	1.1	46
76	Activating mutations in PIK3CD disrupt the differentiation and function of human and murine CD4+ T cells. Journal of Allergy and Clinical Immunology, 2019, 144, 236-253.	1.5	44
77	Tumor Necrosis Factor Receptor 2 (TNFR2) Signaling Is Negatively Regulated by a Novel, Carboxyl-terminal TNFR-associated Factor 2 (TRAF2)-binding Site. Journal of Biological Chemistry, 2005, 280, 31572-31581.	1.6	43
78	Impaired B Cell Development in the Absence of KrÃ¼ppel-like Factor 3. Journal of Immunology, 2011, 187, 5032-5042.	0.4	41
79	MicroRNA-155 controls affinity-based selection by protecting c-MYC+ B cells from apoptosis. Journal of Clinical Investigation, 2015, 126, 377-388.	3.9	41
80	Visualizing the effects of antigen affinity on Tâ€dependent Bâ€cell differentiation. Immunology and Cell Biology, 2008, 86, 31-39.	1.0	39
81	Positive selection of IgG+ over IgM+ B cells in the germinal center reaction. Immunity, 2021, 54, 988-1001.e5.	6.6	37
82	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. Immunity, 2021, 54, 2908-2921.e6.	6.6	35
83	In vivo control of Bâ€cell survival and antigenâ€specific Bâ€cell responses. Immunological Reviews, 2010, 237, 90-103.	2.8	33
84	Activated PI3KÎ´ breaches multiple B cell tolerance checkpoints and causes autoantibody production. Journal of Experimental Medicine, 2020, 217, .	4.2	33
85	Murine LRBA deficiency causes CTLAâ€4 deficiency in Tregs without progression to immune dysregulation. Immunology and Cell Biology, 2017, 95, 775-788.	1.0	31
86	Selection in the germinal center. Current Opinion in Immunology, 2020, 63, 29-34.	2.4	31
87	Myeloid cell TRAF3 promotes metabolic inflammation, insulin resistance, and hepatic steatosis in obesity. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E460-E469.	1.8	30
88	B-cellâ€“specific STAT3 deficiency: Insight into the molecular basis ofÂautosomal-dominant hyper-IgE syndrome. Journal of Allergy and Clinical Immunology, 2016, 138, 1455-1458.e3.	1.5	28
89	Diacylglycerol Kinase Î¶ Limits B Cell Antigen Receptorâ€“Dependent Activation of ERK Signaling to Inhibit Early Antibody Responses. Science Signaling, 2013, 6, ra91.	1.6	27
90	IL-27 Directly Enhances Germinal Center B Cell Activity and Potentiates Lupus in Sanroque Mice. Journal of Immunology, 2016, 197, 3008-3017.	0.4	27

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91	The Role of Follicular Helper T Cell Molecules and Environmental Influences in Autoantibody Production and Progression to Inflammatory Arthritis in Mice. Arthritis and Rheumatology, 2016, 68, 1026-1038.	2.9	26
92	SAMHD1 enhances immunoglobulin hypermutation by promoting transversion mutation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4921-4926.	3.3	26
93	SnapShot: Interactions between B Cells and T Cells. Cell, 2015, 162, 926-926.e1.	13.5	25
94	Knockout of glucose transporter GLUT6 has minimal effects on whole body metabolic physiology in mice. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E286-E293.	1.8	25
95	Interleukin-27 Signaling Promotes Immunity against Endogenously Arising Murine Tumors. PLoS ONE, 2013, 8, e57469.	1.1	23
96	Restriction of memory B cell differentiation at the germinal center B cell positive selection stage. Journal of Experimental Medicine, 2020, 217, .	4.2	23
97	<scp>GPR</scp>65 inhibits experimental autoimmune encephalomyelitis through <scp>CD</scp>4⁺ T cell independent mechanisms that include effects on <scp>iNKT</scp> cells. Immunology and Cell Biology, 2018, 96, 128-136.	1.0	22
98	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. Molecular Metabolism, 2020, 41, 101048.	3.0	22
99	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. MAbs, 2021, 13, 1922134.	2.6	22
100	Censoring of Self-Reactive B Cells by Follicular Dendritic Cellâ€“Displayed Self-Antigen. Journal of Immunology, 2013, 191, 1082-1090.	0.4	21
101	IL-2 Shapes the Survival and Plasticity of IL-17â€“Producing Î³Î´ T Cells. Journal of Immunology, 2017, 199, 2366-2376.	0.4	21
102	B cellâ€“intrinsic requirement for STK4 in humoral immunity in mice and human subjects. Journal of Allergy and Clinical Immunology, 2019, 143, 2302-2305.	1.5	21
103	The SWHEL System for High-Resolution Analysis of In Vivo Antigen-Specific T-Dependent B Cell Responses. Methods in Molecular Biology, 2015, 1291, 103-123.	0.4	20
104	IgD expression on B cells is more efficient than IgM but both receptors are functionally equivalent in up-regulation CD80/CD86 co-stimulatory molecules. European Journal of Immunology, 1995, 25, 1980-1984.	1.6	19
105	Atypical chemokine receptor 4 shapes activated B cell fate. Journal of Experimental Medicine, 2018, 215, 801-813.	4.2	18
106	BAFFR controls early memory B cell responses but is dispensable for germinal center function. Journal of Experimental Medicine, 2021, 218, .	4.2	18
107	High-Affinity B Cell Receptor Ligation by Cognate Antigen Induces Cytokine-Independent Isotype Switching. Journal of Immunology, 2010, 184, 6592-6599.	0.4	16
108	Interaction of Human, Rat, and Mouse Immunoglobulin A (IgA) with Staphylococcal Superantigen-like 7 (SSL7) Decoy Protein and Leukocyte IgA Receptor. Journal of Biological Chemistry, 2011, 286, 33118-33124.	1.6	16

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109	<scp>IL</scp>â€21 has a critical role in establishing germinal centers by amplifying early B cell proliferation. EMBO Reports, 2022, 23, .	2.0	16
110	Conformational diversity facilitates antibody mutation trajectories and discrimination between foreign and self-antigens. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22341-22350.	3.3	15
111	Collaboration between tumor-specific CD4+ T cells and B cells in anti-cancer immunity. Oncotarget, 2016, 7, 30211-30229.	0.8	15
112	Lineage-specific transgene expression in hematopoietic cells using a Cre-regulated retroviral vector. Journal of Immunological Methods, 2010, 360, 162-166.	0.6	14
113	TRAF2 regulates peripheral CD8⁺ Tâ€cell and NKTâ€cell homeostasis by modulating sensitivity to ILâ€15. European Journal of Immunology, 2015, 45, 1820-1831.	1.6	11
114	Antigen-affinity controls pre-germinal center B cell selection by promoting Mcl-1 induction through BAFF receptor signaling. Scientific Reports, 2016, 6, 35673.	1.6	11
115	Differential regulation of early and late stages of B lymphocyte development by the Î¼ and Î´ membrane heavy chains of Ig. International Immunology, 1994, 6, 1905-1916.	1.8	10
116	Germinal-Center B Cells in the Zone. Immunity, 2007, 26, 552-554.	6.6	10
117	Targeted deletion of Traf2 allows immunosuppression-free islet allograft survival in mice. Diabetologia, 2017, 60, 679-689.	2.9	6
118	Chronic bacterial infection activates autoreactive B cells and induces isotype switching and autoantigenâ€driven mutations. European Journal of Immunology, 2016, 46, 131-146.	1.6	5
119	Structural basis of antigen recognition: crystal structure of duck egg lysozyme. Acta Crystallographica Section D: Structural Biology, 2017, 73, 910-920.	1.1	5
120	Germinal centers and autoantibodies. Immunology and Cell Biology, 2020, 98, 480-489.	1.0	5
121	A helping hand from neutrophils in T cellâ€“independent antibody responses?. Nature Immunology, 2012, 13, 111-113.	7.0	4
122	LOX-1ÂUnlocks Human Plasma Cell Potential. Immunity, 2014, 41, 507-508.	6.6	4
123	Tolerance and Autoimmunity: B Cells. , 2006, , 167-177.		3
124	New friends for bone marrow plasma cells. Nature Immunology, 2011, 12, 115-117.	7.0	2
125	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. PLoS ONE, 2021, 16, e0237830.	1.1	2
126	EBI2 unlocks the door to the Tfh cell nursery. Immunology and Cell Biology, 2016, 94, 621-622.	1.0	1

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127	A Future Outlook on Molecular Mechanisms of Immunity. Trends in Immunology, 2020, 41, 549-555.	2.9	1
128	Micromanaging Memory with Immunoglobulin Microclusters. Immunity, 2010, 32, 732-733.	6.6	0
129	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1â€“TRAF2 complex to sensitize tumor cells to TNFÎ±. Journal of Experimental Medicine, 2008, 205, i18-i18.	4.2	0
130	Regulation of B-Cell Self-Tolerance By BAFF and the Molecular Basis of Its Action. , 2009, , 43-63.		0