

Robert A Brink

List of Publications by Year in descending order

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130
papers

17,103
citations

19636

61
h-index

14736

127
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136
all docs

136
docs citations

136
times ranked

17914
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-21 has a critical role in establishing germinal centers by amplifying early B cell proliferation. EMBO Reports, 2022, 23, .	2.0	16
2	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. MAbs, 2021, 13, 1922134.	2.6	22
3	Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. Cell, 2021, 184, 1330-1347.e13.	13.5	203
4	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
5	Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. Nature Communications, 2021, 12, 2444.	5.8	58
6	Positive selection of IgG+ over IgM+ B cells in the germinal center reaction. Immunity, 2021, 54, 988-1001.e5.	6.6	37
7	The unique biology of germinal center B cells. Immunity, 2021, 54, 1652-1664.	6.6	84
8	BAFFR controls early memory B cell responses but is dispensable for germinal center function. Journal of Experimental Medicine, 2021, 218, .	4.2	18
9	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
10	Selection in the germinal center. Current Opinion in Immunology, 2020, 63, 29-34.	2.4	31
11	Activated PI3K$\hat{\nu}$ breaches multiple B cell tolerance checkpoints and causes autoantibody production. Journal of Experimental Medicine, 2020, 217, .	4.2	33
12	Restriction of memory B cell differentiation at the germinal center B cell positive selection stage. Journal of Experimental Medicine, 2020, 217, .	4.2	23
13	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
14	A Future Outlook on Molecular Mechanisms of Immunity. Trends in Immunology, 2020, 41, 549-555.	2.9	1
15	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. Molecular Metabolism, 2020, 41, 101048.	3.0	22
16	Germinal centers and autoantibodies. Immunology and Cell Biology, 2020, 98, 480-489.	1.0	5
17	Lymphoma Driver Mutations in the Pathogenic Evolution of an Iconic Human Autoantibody. Cell, 2020, 180, 878-894.e19.	13.5	82
18	B cell$\hat{\nu}$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

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19	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.	1.5	44
20	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019, 20, 1299-1310.	7.0	53
21	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.	3.3	26
22	Germinal center antibody mutation trajectories are determined by rapid self/foreign discrimination. <i>Science</i> , 2018, 360, 223-226.	6.0	122
23	Atypical chemokine receptor 4 shapes activated B cell fate. <i>Journal of Experimental Medicine</i> , 2018, 215, 801-813.	4.2	18
24	<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. <i>Immunology and Cell Biology</i> , 2018, 96, 128-136.	1.0	22
25	Self-Reactive B Cells in the Germinal Center Reaction. <i>Annual Review of Immunology</i> , 2018, 36, 339-357.	9.5	65
26	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.	1.8	25
27	Germline-activating mutations in <i>PIK3CD</i> compromise B cell development and function. <i>Journal of Experimental Medicine</i> , 2018, 215, 2073-2095.	4.2	79
28	Memory B cells are reactivated in subcapsular proliferative foci of lymph nodes. <i>Nature Communications</i> , 2018, 9, 3372.	5.8	88
29	Targeted deletion of Traf2 allows immunosuppression-free islet allograft survival in mice. <i>Diabetologia</i> , 2017, 60, 679-689.	2.9	6
30	Aryl hydrocarbon receptor is required for optimal Bâ€cell proliferation. <i>EMBO Journal</i> , 2017, 36, 116-128.	3.5	74
31	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.	3.3	62
32	Murine LRBA deficiency causes CTLAâ€4 deficiency in Tregs without progression to immune dysregulation. <i>Immunology and Cell Biology</i> , 2017, 95, 775-788.	1.0	31
33	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.	4.2	232
34	Plasma cell and memory B cell differentiation from the germinal center. <i>Current Opinion in Immunology</i> , 2017, 45, 97-102.	2.4	139
35	IL-2 Shapes the Survival and Plasticity of IL-17â€Producing Î³Î´ T Cells. <i>Journal of Immunology</i> , 2017, 199, 2366-2376.	0.4	21
36	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.	6.6	196

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37	Structural basis of antigen recognition: crystal structure of duck egg lysozyme. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 910-920.	1.1	5
38	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, 1026-1038.	2.9	26
39	EBI2 unlocks the door to the Tfh cell nursery. <i>Immunology and Cell Biology</i> , 2016, 94, 621-622.	1.0	1
40	Chronic bacterial infection activates autoreactive B cells and induces isotype switching and autoantigen-driven mutations. <i>European Journal of Immunology</i> , 2016, 46, 131-146.	1.6	5
41	IL-27 Directly Enhances Germinal Center B Cell Activity and Potentiates Lupus in <i>Sanroque</i> Mice. <i>Journal of Immunology</i> , 2016, 197, 3008-3017.	0.4	27
42	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.	1.5	28
43	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.	1.6	11
44	Collaboration between tumor-specific CD4+ T cells and B cells in anti-cancer immunity. <i>Oncotarget</i> , 2016, 7, 30211-30229.	0.8	15
45	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-E469.	1.8	30
46	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, 1239-1254.	4.2	52
47	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.	6.6	77
48	Microbe-dependent lymphatic migration of neutrophils modulates lymphocyte proliferation in lymph nodes. <i>Nature Communications</i> , 2015, 6, 7139.	5.8	190
49	TRAF2 regulates peripheral CD8 ⁺ T cell and NKT cell homeostasis by modulating sensitivity to IL-15. <i>European Journal of Immunology</i> , 2015, 45, 1820-1831.	1.6	11
50	T Follicular Helper Cells Have Distinct Modes of Migration and Molecular Signatures in Naïve and Memory Immune Responses. <i>Immunity</i> , 2015, 42, 704-718.	6.6	159
51	IL-21 and IL-4 Collaborate To Shape T-Dependent Antibody Responses. <i>Journal of Immunology</i> , 2015, 195, 5123-5135.	0.4	54
52	SnapShot: Interactions between B Cells and T Cells. <i>Cell</i> , 2015, 162, 926-926.e1.	13.5	25
53	The SWHEL System for High-Resolution Analysis of In Vivo Antigen-Specific T-Dependent B Cell Responses. <i>Methods in Molecular Biology</i> , 2015, 1291, 103-123.	0.4	20
54	MicroRNA-155 controls affinity-based selection by protecting c-MYC+ B cells from apoptosis. <i>Journal of Clinical Investigation</i> , 2015, 126, 377-388.	3.9	41

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55	Non-Canonical NF- κ B Signaling Initiated by BAFF Influences B Cell Biology at Multiple Junctions. <i>Frontiers in Immunology</i> , 2014, 4, 509.	2.2	62
56	Real-time interactive two-photon photoconversion of recirculating lymphocytes for discontinuous cell tracking in live adult mice. <i>Journal of Biophotonics</i> , 2014, 7, 425-433.	1.1	46
57	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.	3.3	208
58	The imperfect control of self-reactive germinal center B cells. <i>Current Opinion in Immunology</i> , 2014, 28, 97-101.	2.4	52
59	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, 1448-1465.	7.7	60
60	IL-17-producing NKT cells depend exclusively on IL-7 for homeostasis and survival. <i>Mucosal Immunology</i> , 2014, 7, 1058-1067.	2.7	68
61	LOX-1 Unlocks Human Plasma Cell Potential. <i>Immunity</i> , 2014, 41, 507-508.	6.6	4
62	TRAF3 regulates the effector function of regulatory T cells and humoral immune responses. <i>Journal of Experimental Medicine</i> , 2014, 211, 137-151.	4.2	64
63	Circulating Precursor CCR7loPD-1hi CXCR5+ CD4+ T Cells Indicate Tfh Cell Activity and Promote Antibody Responses upon Antigen Reexposure. <i>Immunity</i> , 2013, 39, 770-781.	6.6	571
64	Censoring of Self-Reactive B Cells by Follicular Dendritic Cell-Displayed Self-Antigen. <i>Journal of Immunology</i> , 2013, 191, 1082-1090.	0.4	21
65	Transcriptional Regulation of Germinal Center B and Plasma Cell Fates by Dynamical Control of IRF4. <i>Immunity</i> , 2013, 38, 918-929.	6.6	356
66	The chemotactic receptor EB12 regulates the homeostasis, localization and immunological function of splenic dendritic cells. <i>Nature Immunology</i> , 2013, 14, 446-453.	7.0	188
67	B cell localization: regulation by EB12 and its oxysterol ligand. <i>Trends in Immunology</i> , 2013, 34, 336-341.	2.9	64
68	The good, the bad and the ugly – TFH cells in human health and disease. <i>Nature Reviews Immunology</i> , 2013, 13, 412-426.	10.6	475
69	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. <i>Nature Medicine</i> , 2013, 19, 595-602.	15.2	156
70	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.	1.6	27
71	Interleukin-27 Signaling Promotes Immunity against Endogenously Arising Murine Tumors. <i>PLoS ONE</i> , 2013, 8, e57469.	1.1	23
72	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.	6.6	113

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73	Follicular Dendritic Cells Emerge from Ubiquitous Perivascular Precursors. <i>Cell</i> , 2012, 150, 194-206.	13.5	329
74	Identification of Bcl-6-dependent follicular helper NKT cells that provide cognate help for B cell responses. <i>Nature Immunology</i> , 2012, 13, 35-43.	7.0	249
75	Hepatic TRAF2 Regulates Glucose Metabolism Through Enhancing Glucagon Responses. <i>Diabetes</i> , 2012, 61, 566-573.	0.3	50
76	A helping hand from neutrophils in T cell-independent antibody responses?. <i>Nature Immunology</i> , 2012, 13, 111-113.	7.0	4
77	Affinity-based selection and the germinal center response. <i>Immunological Reviews</i> , 2012, 247, 11-23.	2.8	81
78	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, 4041-4051.	0.6	92
79	New friends for bone marrow plasma cells. <i>Nature Immunology</i> , 2011, 12, 115-117.	7.0	2
80	Regulation of T follicular helper cell formation and function by antigen presenting cells. <i>Current Opinion in Immunology</i> , 2011, 23, 111-118.	2.4	74
81	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, 4621-4628.	0.4	83
82	Impaired B Cell Development in the Absence of KrÄppel-like Factor 3. <i>Journal of Immunology</i> , 2011, 187, 5032-5042.	0.4	41
83	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, 33118-33124.	1.6	16
84	B cell priming for extrafollicular antibody responses requires Bcl-6 expression by T cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 1377-1388.	4.2	250
85	Micromanaging Memory with Immunoglobulin Microclusters. <i>Immunity</i> , 2010, 32, 732-733.	6.6	0
86	Lineage-specific transgene expression in hematopoietic cells using a Cre-regulated retroviral vector. <i>Journal of Immunological Methods</i> , 2010, 360, 162-166.	0.6	14
87	Follicular Helper T Cell Differentiation Requires Continuous Antigen Presentation that Is Independent of Unique B Cell Signaling. <i>Immunity</i> , 2010, 33, 241-253.	6.6	299
88	<i>In vivo</i> control of B cell survival and antigen-specific B cell responses. <i>Immunological Reviews</i> , 2010, 237, 90-103.	2.8	33
89	Regulation of TNFRSF and innate immune signalling complexes by TRAFs and cIAPs. <i>Cell Death and Differentiation</i> , 2010, 17, 35-45.	5.0	103
90	Control systems and decision making for antibody production. <i>Nature Immunology</i> , 2010, 11, 681-688.	7.0	355

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91	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, 155-171.	4.2	346
92	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, 7273-7282.	0.4	63
93	High-Affinity B Cell Receptor Ligation by Cognate Antigen Induces Cytokine-Independent Isotype Switching. <i>Journal of Immunology</i> , 2010, 184, 6592-6599.	0.4	16
94	The germinal center reaction. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 898-907.	1.5	158
95	Increased CD4+Foxp3+ T Cells in BAFF-Transgenic Mice Suppress T Cell Effector Responses. <i>Journal of Immunology</i> , 2009, 182, 793-801.	0.4	94
96	Follicular helper T cells are required for systemic autoimmunity. <i>Journal of Experimental Medicine</i> , 2009, 206, 561-576.	4.2	530
97	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, 3139-3149.	0.4	201
98	Roquin Differentiates the Specialized Functions of Duplicated T Cell Costimulatory Receptor Genes Cd28 and Icos. <i>Immunity</i> , 2009, 30, 228-241.	6.6	129
99	Dock8 mutations cripple B cell immunological synapses, germinal centers and long-lived antibody production. <i>Nature Immunology</i> , 2009, 10, 1283-1291.	7.0	236
100	Guidance of B Cells by the Orphan G Protein-Coupled Receptor EBI2 Shapes Humoral Immune Responses. <i>Immunity</i> , 2009, 31, 259-269.	6.6	248
101	Regulation of B-Cell Self-Tolerance By BAFF and the Molecular Basis of Its Action. , 2009, , 43-63.		0
102	Visualizing the effects of antigen affinity on T-dependent B-cell differentiation. <i>Immunology and Cell Biology</i> , 2008, 86, 31-39.	1.0	39
103	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.	6.6	235
104	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1-TRAF2 complex to sensitize tumor cells to TNF. <i>Journal of Cell Biology</i> , 2008, 182, 171-184.	2.3	226
105	TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1-TRAF2 complex to sensitize tumor cells to TNF. <i>Journal of Experimental Medicine</i> , 2008, 205, i18-i18.	4.2	0
106	IAP Antagonists Target cIAP1 to Induce TNF-Dependent Apoptosis. <i>Cell</i> , 2007, 131, 682-693.	13.5	993
107	Germinal-Center B Cells in the Zone. <i>Immunity</i> , 2007, 26, 552-554.	6.6	10
108	B cells and the BAFF/APRIL axis: fast-forward on autoimmunity and signaling. <i>Current Opinion in Immunology</i> , 2007, 19, 327-336.	2.4	253

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109	Regulation of B cell self-tolerance by BAFF. <i>Seminars in Immunology</i> , 2006, 18, 276-283.	2.7	71
110	High affinity germinal center B cells are actively selected into the plasma cell compartment. <i>Journal of Experimental Medicine</i> , 2006, 203, 2419-2424.	4.2	322
111	Antigen recognition strength regulates the choice between extrafollicular plasma cell and germinal center B cell differentiation. <i>Journal of Experimental Medicine</i> , 2006, 203, 1081-1091.	4.2	454
112	Tolerance and Autoimmunity: B Cells. , 2006, , 167-177.		3
113	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, 31572-31581.	1.6	43
114	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, 4567-4578.	0.4	85
115	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, 785-798.	6.6	651
116	TRAF2 Differentially Regulates the Canonical and Noncanonical Pathways of NF- κ B Activation in Mature B Cells. <i>Immunity</i> , 2004, 21, 629-642.	6.6	205
117	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, 845-860.	4.2	217
118	Reduced Switching in SCID B Cells Is Associated with Altered Somatic Mutation of Recombined S Regions. <i>Journal of Immunology</i> , 2003, 171, 6556-6564.	0.4	62
119	BAFF selectively enhances the survival of plasmablasts generated from human memory B cells. <i>Journal of Clinical Investigation</i> , 2003, 112, 286-297.	3.9	429
120	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, 721-734.	1.0	86
121	Tumor Necrosis Factor Receptor (TNFR)-associated Factor 2A (TRAF2A), a TRAF2 Splice Variant with an Extended RING Finger Domain That Inhibits TNFR2-mediated NF- κ B Activation. <i>Journal of Biological Chemistry</i> , 1998, 273, 4129-4134.	1.6	62
122	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, 1980-1984.	1.6	19
123	Differential regulation of early and late stages of B lymphocyte development by the μ and δ membrane heavy chains of Ig. <i>International Immunology</i> , 1994, 6, 1905-1916.	1.8	10
124	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, 4392-4396.	3.3	98
125	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.	4.2	142
126	Breakdown of self-tolerance in anergic B lymphocytes. <i>Nature</i> , 1991, 352, 532-536.	13.7	242

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127	Elimination from peripheral lymphoid tissues of self-reactive B lymphocytes recognizing membrane-bound antigens. <i>Nature</i> , 1991, 353, 765-769.	13.7	649
128	Self Tolerance in the B-Cell Repertoire. <i>Immunological Reviews</i> , 1991, 122, 5-19.	2.8	75
129	Induction of self-tolerance in mature peripheral B lymphocytes. <i>Nature</i> , 1989, 342, 385-391.	13.7	494
130	Altered immunoglobulin expression and functional silencing of self-reactive B lymphocytes in transgenic mice. <i>Nature</i> , 1988, 334, 676-682.	13.7	1,475