John Cambier

List of Publications by Year
in descending order

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251 papers	21,121 citations	5896 81 h-index	11607 135 g-index
323 all docs	323 docs citations	323 times ranked	15436 citing authors

#	Article	IF	Citations
1	Apoptotic Caspases Suppress mtDNA-Induced STING-Mediated Type I IFN Production. Cell, 2014, 159, 1549-1562.	28.9	698
2	Recruitment and activation of PTP1C in negative regulation of antigen receptor signaling by Fc gamma RIIB1. Science, 1995, 268, 293-297.	12.6	546
3	B cell antigen receptor signaling 101. Molecular Immunology, 2004, 41, 599-613.	2.2	485
4	Hypoxia-inducible factor-1 alphaâ€“dependent induction of FoxP3 drives regulatory T-cell abundance and function during inflammatory hypoxia of the mucosa. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2784-93.	7.1	455
5	Activation of phosphatidylinositol-3' kinase by Src-family kinase SH3 binding to the p85 subunit. Science, 1994, 263, 1609-1612.	12.6	429
6	Signal Transduction by the B Cell Antigen Receptor and its Coreceptors. Annual Review of Immunology, 1994, 12, 457-486.	21.8	413
7	MPYS, a Novel Membrane Tetraspanner, Is Associated with Major Histocompatibility Complex Class II and Mediates Transduction of Apoptotic Signals. Molecular and Cellular Biology, 2008, 28, 5014-5026.	2.3	363
8	Antigen and Fc receptor signaling. The awesome power of the immunoreceptor tyrosine-based activation motif (ITAM). Journal of Immunology, 1995, 155, 3281-5.	0.8	340
9	Ia binding ligands and cAMP stimulate nuclear translocation of PKC in B lymphocytes. Nature, 1987, 327, 629-632.	27.8	316
10	The B cell antigen receptor complex: association of Ig-alpha and Ig-beta with distinct cytoplasmic effectors. Science, 1992, 258, 123-126.	12.6	304
11	B-cell anergy: from transgenic models to naturally occurring anergic B cells?. Nature Reviews Immunology, 2007, 7, 633-643.	22.7	301
12	Interleukin-induced increase in Ia expression by normal mouse B cells.. Journal of Experimental Medicine, 1984, 160, 679-694.	8.5	300
13	Molecular Mechanisms of Transmembrane Signaling in B Lymphocytes. Annual Review of Immunology, 1987, 5, 175-199.	21.8	291
14	Regulation of B cell antigen receptor signal transduction and phosphorylation by CD45. Science, 1991, 252, 1839-1842.	12.6	285
15	Human and mouse killer-cell inhibitory receptors recruit PTP1C and PTP1D protein tyrosine phosphatases. Journal of Immunology, 1996, 156, 4531-4.	0.8	263
16	MPYS Is Required for IFN Response Factor 3 Activation and Type I IFN Production in the Response of Cultured Phagocytes to Bacterial Second Messengers Cyclic-di-AMP and Cyclic-di-GMP. Journal of Immunology, 2011, 187, 2595-2601.	0.8	262
17	Mast cellâ€“dependent migration of effector CD8+ T cells through production of leukotriene B4. Nature Immunology, 2003, 4, 974-981.	14.5	259
18	Identification of Anergic B Cells within a Wild-Type Repertoire. Immunity, 2006, 25, 953-962.	14.3	252

#	Article	IF	Citations
19	New nomenclature for the Reth motif (or ARH1/TAM/ARAM/YXXL). Trends in Immunology, 1995, 16, 110.	7.5	249
20	Identification of the tyrosine phosphatase PTP1C as a B cell antigen receptor-associated protein involved in the regulation of B cell signaling.. Journal of Experimental Medicine, 1995, 181, 2077-2084.	8.5	249
21	Role of the Syk autophosphorylation site and SH2 domains in B cell antigen receptor signaling.. Journal of Experimental Medicine, 1995, 182, 1815-1823.	8.5	249
22	B Cell Receptor Signal Transduction in the GC Is Short-Circuited by High Phosphatase Activity. Science, 2012, 336, 1178-1181.	12.6	249
23	The RasGAP-Binding Protein p62dok Is a Mediator of Inhibitory FcÎ³RIIB Signals in B Cells. Immunity, 2000, 12, 347-358.	14.3	235
24	B Cell Antigen Receptor Signaling: Roles in Cell Development and Disease. Science, 2002, 296, 1641-1642.	12.6	224
25	Promotion of B Cell Immune Responses via an Alum-Induced Myeloid Cell Population. Science, 2004, 304, 1808-1810.	12.6	221
26	Developmental Regulation of B Lymphocyte Immune Tolerance Compartmentalizes Clonal Selection from Receptor Selection. Cell, 1998, 92, 173-182.	28.9	214
27	The major histocompatibility complex-restricted antigen receptor on T cells: Distribution on thymus and peripheral T cells. Cell, 1984, 38, 577-584.	28.9	211
28	cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. Nature Medicine, 2018, 24, 50-61.	30.7	205
29	The B-cell antigen receptor complex: structure and signal transduction. Trends in Immunology, 1994, 15, 393-399.	7.5	198
30	The B-cell antigen receptor complex. Trends in Immunology, 1991, 12, 196-201.	7.5	193
31	Maintenance of B cell anergy requires constant antigen receptor occupancy and signaling. Nature Immunology, 2005, 6, 1160-1167.	14.5	185
32	B cell development: signal transduction by antigen receptors and their surrogates. Current Opinion in Immunology, 1999, 11, 143-151.	5.5	171
33	Qualitative Regulation of B Cell Antigen Receptor Signaling by CD19: Selective Requirement for PI3-Kinase Activation, Inositol-1,4,5-Trisphosphate Production and Ca2+ Mobilization. Journal of Experimental Medicine, 1997, 186, 1897-1910.	8.5	169
34	Mapping of sites on the Src family protein tyrosine kinases p55blk, p59fyn, and p56lyn which interact with the effector molecules phospholipase C-gamma 2, microtubule-associated protein kinase, GTPase-activating protein, and phosphatidylinositol 3-kinase.. Molecular and Cellular Biology, 1993, 13, 5877-5887.	2.3	157
35	The thymus has two functionally distinct populations of immature Î±Î²+ T cells: One population is deleted by ligation of Î±Î²TCR. Cell, 1989, 58, 1047-1054.	28.9	142
36	Monophosphorylation of CD79a and CD79b ITAM Motifs Initiates a SHIP-1 Phosphatase-Mediated Inhibitory Signaling Cascade Required for B Cell Anergy. Immunity, 2011, 35, 746-756.	14.3	142

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37	Phosphorylated immunoreceptor signaling motifs (ITAMs) exhibit unique abilities to bind and activate Lyn and Syk tyrosine kinases. Journal of Immunology, 1995, 155, 4596-603.	0.8	142
38	Antigens Varying in Affinity for the B Cell Receptor Induce Differential B Lymphocyte Responses. Journal of Experimental Medicine, 1998, 188, 1453-1464.	8.5	138
39	Ligand-independent Signaling Functions for the B Lymphocyte Antigen Receptor and Their Role in Positive Selection during B Lymphopoiesis. Journal of Experimental Medicine, 2001, 194, 1583-1596.	8.5	137
40	Src-family kinases in B-cell development and signaling. Oncogene, 2004, 23, 8001-8006.	5.9	137
41	Fc epsilon receptor I-associated lyn-dependent phosphorylation of Fc gamma receptor IIB during negative regulation of mast cell activation. Journal of Immunology, 1998, 160, 1647-58.	0.8	136
42	B cell maintenance and function in aging. Seminars in Immunology, 2012, 24, 342-349.	5.6	135
43	B cell activation. VIII. Membrane immunoglobulins transduce signals via activation of phosphatidylinositol hydrolysis. Journal of Immunology, 1984, 133, 3382-6.	0.8	135
44	IgM antigen receptor complex contains phosphoprotein products of B29 and mb-1 genes.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3982-3986.	7.1	134
45	Activation and Anergy in Bone Marrow B Cells of a Novel Immunoglobulin Transgenic Mouse that Is Both Hapten Specific and Autoreactive. Immunity, 2001, 14, 33-43.	14.3	134
46	Differential association of phosphatases with hematopoietic co-receptors bearing immunoreceptor tyrosine-based inhibition motifs. European Journal of Immunology, 1997, 27, 1994-2000.	2.9	133
47	Negative regulation of FcÏµRI signaling by FcÎ³RII costimulation in human blood basophils. Journal of Allergy and Clinical Immunology, 2000, 106, 337-348.	2.9	131
48	Distinct p53/56lyn and p59fyn domains associate with nonphosphorylated and phosphorylated Ig-alpha.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4268-4272.	7.1	125
49	FcÎ³RIIB1 Inhibition of BCR-Mediated Phosphoinositide Hydrolysis and Ca2+ Mobilization Is Integrated by CD19 Dephosphorylation. Immunity, 1997, 7, 49-58.	14.3	124
50	Ageing, autoimmunity and arthritis: senescence of the B cell compartment - implications for humoral immunity. Arthritis Research, 2004, 6, 131.	2.0	124
51	Differential susceptibility of neonatal and adult murine spleen cells to in vitro induction of B-cell tolerance.. Journal of Experimental Medicine, 1976, 144, 293-297.	8.5	123
52	Aging-Dependent Exclusion of Antigen-Inexperienced Cells from the Peripheral B Cell Repertoire. Journal of Immunology, 2002, 168, 5014-5023.	0.8	123
53	T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Trends in Immunology, 1991, 12, 79-85.	7.5	122
54	Differential Regulation of B Cell Development, Activation, and Death by the Src Homology 2 Domainâ€“Containing 5â€² Inositol Phosphatase (Ship). Journal of Experimental Medicine, 2000, 191, 1545-1554.	8.5	122

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55	Molecular underpinning of Bâ€cell anergy. Immunological Reviews, 2010, 237, 249-263.	6.0	122
56	Selective in vivo recruitment of the phosphatidylinositol phosphatase SHIP by phosphorylated FcÎ³RIIB during negative regulation of IgE-dependent mouse mast cell activation. Immunology Letters, 1996, 54, 83-91.	2.5	121
57	Of <scp>ITIM</scp>s, <scp>ITAM</scp>s, and <scp>ITAM</scp>is: revisiting immunoglobulin Fc receptor signaling. Immunological Reviews, 2015, 268, 66-73.	6.0	117
58	High-efficiency RNA-based reprogramming of human primary fibroblasts. Nature Communications, 2018, 9, 745.	12.8	117
59	Interference with Immunoglobulin (Ig)Î± Immunoreceptor Tyrosineâ€“Based Activation Motif (Itam) Phosphorylation Modulates or Blocks B Cell Development, Depending on the Availability of an IgÎ² Cytoplasmic Tail. Journal of Experimental Medicine, 2001, 194, 455-470.	8.5	116
60	Cytoplasmic protein tyrosine phosphatases SHP-1 and SHP-2: regulators of B cell signal transduction. Current Opinion in Immunology, 2000, 12, 307-315.	5.5	114
61	Ia-mediated signal transduction leads to proliferation of primed B lymphocytes.. Journal of Experimental Medicine, 1989, 170, 877-886.	8.5	111
62	Translocation of protein kinase C during membrane immunoglobulin-mediated transmembrane signaling in B lymphocytes. Journal of Immunology, 1986, 136, 2300-4.	0.8	111
63	Identification and characterization of a loss-of-function human MPYS variant. Genes and Immunity, 2011, 12, 263-269.	4.1	109
64	Tissue distribution and clonal diversity of the T and B cell repertoire in type 1 diabetes. JCI Insight, 2016, 1, e88242.	5.0	108
65	Antigen receptor signaling: integration of protein tyrosine kinase functions. Oncogene, 1998, 17, 1353-1364.	5.9	106
66	B cell activation. III. B cell plasma membrane depolarization and hyper-Ia antigen expression induced by receptor immunoglobulin cross-linking are coupled.. Journal of Experimental Medicine, 1983, 158, 1589-1599.	8.5	104
67	Continuous inhibitory signaling by both SHP-1 and SHIP-1 pathways is required to maintain unresponsiveness of anergic B cells. Journal of Experimental Medicine, 2016, 213, 751-769.	8.5	104
68	TCR-Induced Transmembrane Signaling by Peptide/MHC Class II Via Associated Ig-alpha /beta Dimers. Science, 2001, 291, 1537-1540.	12.6	103
69	B cell activation. I. Anti-immunoglobulin-induced receptor cross-linking results in a decrease in the plasma membrane potential of murine B lymphocytes.. Journal of Experimental Medicine, 1983, 157, 2073-2086.	8.5	102
70	B cells in type 1 diabetes mellitus and diabetic kidney disease. Nature Reviews Nephrology, 2017, 13, 712-720.	9.6	101
71	The SHIP phosphatase becomes associated with FcÎ³RIIB1 and is tyrosine phosphorylated during â€˜negativeâ€™ signaling. Immunology Letters, 1996, 54, 77-82.	2.5	95
72	Improved method for measuring intracellular Ca++ with fluo-3. Cytometry, 1990, 11, 923-927.	1.8	93

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73	Inhibitory receptors abound?. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5993-5995.	7.1	93
74	Targeting DDR2 enhances tumor response to antiâ€“PD-1 immunotherapy. Science Advances, 2019, 5, eaav2437.	10.3	92
75	Anti-Ig induces release of inositol 1,4,5-trisphosphate, which mediates mobilization of intracellular Ca++ stores in B lymphocytes. Journal of Immunology, 1986, 137, 708-14.	0.8	91
76	Phosphorylation of CD19 Y484 and Y515, and linked activation of phosphatidylinositol 3-kinase, are required for B cell antigen receptor-mediated activation of Bruton's tyrosine kinase. Journal of Immunology, 1999, 162, 4438-46.	0.8	91
77	Both immature and mature T cells mobilize Ca2+ in response to antigen receptor crosslinking. Nature, 1987, 330, 179-181.	27.8	90
78	Membrane immunoglobulin and its accomplices: new lessons from an old receptor 1. FASEB Journal, 1992, 6, 3207-3217.	0.5	87
79	Antigen-Stimulated Dissociation of BCR mIg from Ig-Î±/Ig-Î². Immunity, 1999, 10, 239-248.	14.3	87
80	Immunosenescence: a problem of lymphopoiesis, homeostasis, microenvironment, and signaling. John Cambier. Immunological Reviews, 2005, 205, 5-6.	6.0	87
81	Distinct Signal Thresholds for the Unique Antigen Receptorâ€“Linked Gene Expression Programs in Mature and Immature B Cells. Journal of Experimental Medicine, 1999, 190, 749-756.	8.5	85
82	Acquired hematopoietic stem cell defects determine B-cell repertoire changes associated with aging. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11898-11902.	7.1	85
83	Downstream of Kinase, p62dok, Is a Mediator of FcÎ³RIIB Inhibition of FcÎµRI Signaling. Journal of Immunology, 2002, 168, 4430-4439.	0.8	82
84	The Unique Antigen Receptor Signaling Phenotype of B-1 Cells Is Influenced by Locale but Induced by Antigen. Journal of Immunology, 2002, 169, 1735-1743.	0.8	82
85	Transmembrane signaling through B cell MHC class II molecules: anti-Ia antibodies induce protein kinase C translocation to the nuclear fraction. Journal of Immunology, 1987, 138, 2345-52.	0.8	81
86	Loss of Anergic B Cells in Prediabetic and New-Onset Type 1 Diabetic Patients. Diabetes, 2015, 64, 1703-1712.	0.6	79
87	Unique Signaling Properties of B Cell Antigen Receptor in Mature and Immature B Cells: Implications for Tolerance and Activation. Journal of Immunology, 2001, 167, 4172-4179.	0.8	77
88	IgG antibodies produced during subcutaneous allergen immunotherapy mediate inhibition of basophil activation via a mechanism involving both FcÎ³RIIA and FcÎ³RIIB. Immunology Letters, 2010, 130, 57-65.	2.5	76
89	Cyclicâ€diâ€GMP and cyclicâ€diâ€AMP activate the NLRP3 inflammasome. EMBO Reports, 2013, 14, 900-906.	4.5	75
90	B lymphocyte antigen receptor signaling: initiation, amplification, and regulation. F1000prime Reports, 2013, 5, 40.	5.9	75

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91	Signal transduction by T- and B-cell antigen receptors: converging structures and concepts. Current Opinion in Immunology, 1992, 4, 257-264.	5.5	73
92	Coligation of the B Cell Receptor with Complement Receptor Type 2 (CR2/CD21) Using Its Natural Ligand C3dg: Activation without Engagement of an Inhibitory Signaling Pathway. Journal of Immunology, 2005, 174, 3264-3272.	0.8	73
93	B cell activation. IV. Induction of cell membrane depolarization and hyper-I-A expression by phorbol diesters suggests a role for protein kinase C in murine B lymphocyte activation. Journal of Immunology, 1984, 132, 1472-8.	0.8	73
94	A VH11Vî9 B Cell Antigen Receptor Drives Generation of CD5+ B Cells Both In Vivo and In Vitro. Journal of Immunology, 2000, 164, 4586-4593.	0.8	72
95	COPD is associated with production of autoantibodies to a broad spectrum of self-antigens, correlative with disease phenotype. Immunologic Research, 2013, 55, 48-57.	2.9	72
96	Structural compartmentalization of MHC class II signaling function. Trends in Immunology, 1993, 14, 539-546.	7.5	71
97	B lymphocyte antigen receptors (mIg) are non-covalently associated with a disulfide linked, inducibly phosphorylated glycoprotein complex. EMBO Journal, 1990, 9, 441-8.	7.8	71
98	B-cell tolerance. II. Trinitrophenyl human gamma globulin-induced tolerance in adult and neonatal murine B cells responsive to thymus- dependent and independent forms of the same hapten. Journal of Experimental Medicine, 1977, 145, 778-783.	8.5	70
99	The biochemical basis of transmembrane signalling by B lymphocyte surface immunoglobulin. Trends in Immunology, 1985, 6, 218-222.	7.5	70
100	B cell depletion therapy exacerbates murine primary biliary cirrhosis. Hepatology, 2011, 53, 527-535.	7.3	66
101	B cell antigen receptor cross-linking triggers rapid protein kinase C independent activation of p21ras1. Journal of Immunology, 1993, 151, 4513-22.	0.8	66
102	Activating and inhibitory signaling in mast cells: New opportunities for therapeutic intervention?. Journal of Allergy and Clinical Immunology, 2000, 106, 429-440.	2.9	63
103	Signaling-defective mutants of the B lymphocyte antigen receptor fail to associate with Ig-alpha and Ig-beta/gamma.. Journal of Biological Chemistry, 1993, 268, 25776-25779.	3.4	63
104	Level of mIa expression on mitogen-stimulated murine B lymphocytes is dependent on position in cell cycle. Journal of Immunology, 1983, 130, 626-31.	0.8	62
105	Asymmetrical phosphorylation and function of immunoreceptor tyrosine-based activation motif tyrosines in B cell antigen receptor signal transduction. Journal of Immunology, 1998, 160, 3305-14.	0.8	62
106	Mapping of Sites on the Src Family Protein Tyrosine Kinases p55^{blk}, p59^{fyn}, and p56^{lyn}Which Interact with the Effector Molecules Phospholipase C-î³2, Microtubule-Associated Protein Kinase, GTPase-Activating Protein, and Phosphatidylinositol 3-Kinase. Molecular and Cellular Biology, 1993, 13, 5877-5887.	2.3	61
107	Altered I-A protein-mediated transmembrane signaling in B cells that express truncated I-Ak protein.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6297-6301.	7.1	60
108	Mutational Analysis Reveals Multiple Distinct Sites Within Fcî³ Receptor IIB That Function in Inhibitory Signaling. Journal of Immunology, 2000, 165, 4453-4462.	0.8	60

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109	Bilevel control of B-cell activation by the inositol 5-phosphatase SHIP. Immunological Reviews, 2000, 176, 69-74.	6.0	59
110	B lymphocyte activation during cognate interactions with CD4+ T lymphocytes: molecular dynamics and immunologic consequences. Seminars in Immunology, 2003, 15, 325-329.	5.6	59
111	B cell activation. V. Differentiation signaling of B cell membrane depolarization, increased I-A expression, G0 to G1 transition, and thymidine uptake by anti-IgM and anti-IgD antibodies. Journal of Immunology, 1984, 133, 576-81.	0.8	59
112	Putting on the Brakes: Regulatory Kinases and Phosphatases Maintaining B Cell Anergy. Frontiers in Immunology, 2018, 9, 665.	4.8	58
113	gp120 ligation of CD4 induces p56lck activation and TCR desensitization independent of TCR tyrosine phosphorylation. Journal of Immunology, 1994, 153, 2905-17.	0.8	56
114	Regulation of BCR Signal Transduction in B-1 Cells Requires the Expression of the Src Family Kinase Lck. Immunity, 2004, 21, 443-453.	14.3	55
115	A Human CD4 Monoclonal Antibody for the Treatment of T-Cell Lymphoma Combines Inhibition of T-Cell Signaling by a Dual Mechanism with Potent Fc-Dependent Effector Activity. Cancer Research, 2007, 67, 9945-9953.	0.9	54
116	Alpha beta T cell receptor and CD3 transduce different signals in immature T cells. Implications for selection and tolerance. Journal of Immunology, 1989, 142, 3006-12.	0.8	54
117	B Cell Depletion with Anti-CD79 mAbs Ameliorates Autoimmune Disease in MRL/lpr Mice. Journal of Immunology, 2008, 181, 2961-2972.	0.8	53
118	A Balance between B Cell Receptor and Inhibitory Receptor Signaling Controls Plasma Cell Differentiation by Maintaining Optimal Ets1 Levels. Journal of Immunology, 2014, 193, 909-920.	0.8	53
119	Modeling of T cell contact-dependent B cell activation. IL-4 and antigen receptor ligation primes quiescent B cells to mobilize calcium in response to Ia cross-linking. Journal of Immunology, 1991, 146, 2075-82.	0.8	53
120	The B-Cell Antigen Receptor: Structure and Function of Primary, Secondary, Tertiary and Quaternary Components. Immunological Reviews, 1993, 132, 85-106.	6.0	52
121	Targeting B cells in treatment of autoimmunity. Current Opinion in Immunology, 2016, 43, 39-45.	5.5	52
122	Distinct structural compartmentalization of the signal transducing functions of major histocompatibility complex class II (Ia) molecules.. Journal of Experimental Medicine, 1994, 179, 763-768.	8.5	51
123	Endocytic sequestration of the B cell antigen receptor and toll-like receptor 9 in anergic cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6262-6267.	7.1	51
124	Membrane IgM and IgD molecules fail to transduce Ca2+ mobilizing signals when expressed on differentiated B lineage cells. Journal of Immunology, 1990, 144, 3272-80.	0.8	51
125	Partially Distinct Molecular Mechanisms Mediate Inhibitory FcÎ³RIIB Signaling in Resting and Activated B Cells. Journal of Immunology, 2001, 167, 204-211.	0.8	50
126	Alpha-chains of IgM and IgD antigen receptor complexes are differentially N-glycosylated MB-1-related molecules. Journal of Immunology, 1991, 147, 1575-80.	0.8	50

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127	Silencing of autoreactive B cells by anergy: a fresh perspective. Current Opinion in Immunology, 2006, 18, 292-297.	5.5	49
128	Elevated PTEN expression maintains anergy in human B cells and reveals unexpectedly high repertoire autoreactivity. JCI Insight, 2019, 4, .	5.0	49
129	B cell activation. VI. Effects of exogenous diglyceride and modulators of phospholipid metabolism suggest a central role for diacylglycerol generation in transmembrane signaling by mIg. Journal of Immunology, 1985, 134, 101-7.	0.8	49
130	The Role of Receptor IgM and IgD in Determining Triggering and Induction of Tolerance in Murine B Cells1. Immunological Reviews, 1979, 43, 69-95.	6.0	48
131	B Cellâ€“Intrinsic STING Signaling Triggers Cell Activation, Synergizes with B Cell Receptor Signals, and Promotes Antibody Responses. Journal of Immunology, 2018, 201, 2641-2653.	0.8	47
132	CD72-mediated B cell activation involves recruitment of CD19 and activation of phosphatidylinositol 3-kinase. European Journal of Immunology, 1998, 28, 3003-3016.	2.9	46
133	Role of B Lymphocytes in the Pathogenesis of Type 1 Diabetes. Current Diabetes Reports, 2014, 14, 543.	4.2	46
134	B-cell antigen receptor competence regulates B-lymphocyte selection and survival. Immunological Reviews, 2000, 176, 141-153.	6.0	45
135	Two Distinct Tyrosine-based Motifs Enable the Inhibitory Receptor FcÎ³RIIB to Cooperatively Recruit the Inositol Phosphatases SHIP1/2 and the Adapters Grb2/Grap. Journal of Biological Chemistry, 2004, 279, 51931-51938.	3.4	45
136	STING/MPYS Mediates Host Defense against Listeria monocytogenes Infection by Regulating Ly6Chi Monocyte Migration. Journal of Immunology, 2013, 190, 2835-2843.	0.8	45
137	Î³Î´ T cells affect IL-4 production and B-cell tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E39-E48.	7.1	45
138	Mesenchymal Stem Cells Recruit CCR2+ Monocytes To Suppress Allergic Airway Inflammation. Journal of Immunology, 2018, 200, 1261-1269.	0.8	45
139	Analysis of Ig-alpha-tyrosine kinase interaction reveals two levels of binding specificity and tyrosine phosphorylated Ig-alpha stimulation of Fyn activity. EMBO Journal, 1994, 13, 1911-9.	7.8	44
140	The common HAQ STING variant impairs cGAS-dependent antibacterial responses and is associated with susceptibility to Legionnairesâ€™ disease in humans. PLoS Pathogens, 2018, 14, e1006829.	4.7	43
141	Single cell analysis of calcium mobilization in anti-immunoglobulin-stimulated B lymphocytes. Journal of Immunology, 1986, 136, 54-7.	0.8	43
142	Signaling-defective mutants of the B lymphocyte antigen receptor fail to associate with Ig-alpha and Ig-beta/gamma. Journal of Biological Chemistry, 1993, 268, 25776-9.	3.4	43
143	Delivery of B Cell Receptorâ€“internalized Antigen to Endosomes and Class II Vesicles. Journal of Experimental Medicine, 1997, 186, 1299-1306.	8.5	42
144	Effects of Src Homology Domain 2 (SH2)-Containing Inositol Phosphatase (SHIP), SH2-Containing Phosphotyrosine Phosphatase (SHP)-1, and SHP-2 SH2 Decoy Proteins on FcÎ³RIIB1-Effector Interactions and Inhibitory Functions. Journal of Immunology, 2000, 164, 631-638.	0.8	41

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145	Î³Î´ T Cells Shape Preimmune Peripheral B Cell Populations. Journal of Immunology, 2016, 196, 217-231.	0.8	41
146	Ligation of membrane Ig leads to calcium-mediated phosphorylation of the proto-oncogene product, Ets-1. Journal of Immunology, 1991, 146, 1743-9.	0.8	41
147	A Rapid Method for the Purification of Immunoglobulin M (IgM) from the Sera of Certain Mammalian Species. Preparative Biochemistry and Biotechnology, 1974, 4, 31-46.	0.5	40
148	Co-receptor and accessory regulation of B-cell antigen receptor signal transduction. Immunological Reviews, 1997, 160, 127-138.	6.0	40
149	B cell receptor signaling in human systemic lupus erythematosus. Current Opinion in Rheumatology, 2006, 18, 451-455.	4.3	39
150	Cellular Reactive Oxygen Species Inhibit MPYS Induction of IFNÎ². PLoS ONE, 2010, 5, e15142.	2.5	39
151	Distinct mechanisms mediate SHC association with the activated and resting B cell antigen receptor. European Journal of Immunology, 1996, 26, 1960-1965.	2.9	37
152	Qualitatively distinct signaling through T cell antigen receptor subunits. European Journal of Immunology, 1997, 27, 707-716.	2.9	37
153	Unique features of SHIP, SHP-1 and SHP-2 binding to FcÎ³RIIb revealed by surface plasmon resonance analysis. Immunology Letters, 1999, 68, 35-40.	2.5	37
154	mIgM:mIgD ratios on B cells: mean mIgD expression exceeds mIgM by 10-fold on most splenic B cells. Journal of Immunology, 1984, 132, 1712-6.	0.8	37
155	Cutting Edge: Acute and Chronic Exposure of Immature B Cells to Antigen Leads to Impaired Homing and SHIP1-Dependent Reduction in Stromal Cell-Derived Factor-1 Responsiveness. Journal of Immunology, 2007, 178, 3353-3357.	0.8	36
156	Cutting Edge: Complement (C3d)-Linked Antigens Break B Cell Anergy. Journal of Immunology, 2007, 179, 2695-2699.	0.8	36
157	FcÎ³RIIB signals inhibit BLyS signaling and BCR-mediated BLyS receptor up-regulation. Blood, 2009, 113, 1464-1473.	1.4	36
158	Activation of thyroid antigen-reactive B cells in recent onset autoimmune thyroid disease patients. Journal of Autoimmunity, 2018, 89, 82-89.	6.5	36
159	B cell antigen receptor desensitization: disruption of receptor coupling to tyrosine kinase activation. Journal of Immunology, 1997, 159, 231-43.	0.8	36
160	Transmodulation of BCR Signaling by Transduction- Incompetent Antigen Receptors: Implications for Impaired Signaling in Anergic B Cells. Journal of Immunology, 2002, 168, 4344-4351.	0.8	35
161	Anti-CD79 Antibody Induces B Cell Anergy That Protects against Autoimmunity. Journal of Immunology, 2014, 192, 1641-1650.	0.8	35
162	FcÎ³RIIB activation leads to inhibition of signalling by independently ligated receptors. Biochemical Society Transactions, 2003, 31, 281-285.	3.4	34

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163	Detection and Enrichment of Rare Antigen-specific B Cells for Analysis of Phenotype and Function. Journal of Visualized Experiments, 2017, , .	0.3	34
164	A doseâ€dependent role for EBF1 in repressing nonâ€Bâ€cellâ€specific genes. European Journal of Immunology, 2011, 41, 1787-1793.	2.9	33
165	Ligation of membrane immunoglobulin leads to inactivation of the signal-transducing ability of membrane immunoglobulin, CD19, CD21, and B-cell gp95.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8766-8770.	7.1	32
166	B cell expression of the SH2-containing inositol 5-phosphatase (SHIP-1) is required to establish anergy to high affinity, proteinacious autoantigens. Journal of Autoimmunity, 2015, 62, 45-54.	6.5	32
167	Sorting of B lymphoblasts based upon cell diameter provides cell populations enriched in different stages of cell cycle. Journal of Immunological Methods, 1983, 63, 45-56.	1.4	31
168	FcÎ³RIIB as a potential molecular target for intravenous gamma globulin therapyâ˜†â˜†â˜†.... Journal of Allergy and Clinical Immunology, 2001, 108, S95-S98.	2.9	31
169	Autoimmunity risk alleles: hotspots in B cell regulatory signaling pathways. Journal of Clinical Investigation, 2013, 123, 1928-1931.	8.2	31
170	CD4 binding to major histocompatibility complex class II antigens induces LFA-1-dependent and -independent homotypic adhesion of B lymphocytes. European Journal of Immunology, 1992, 22, 147-152.	2.9	30
171	Positive Regulation of Interleukin-4-mediated Proliferation by the SH2-containing Inositol-5â€²-phosphatase. Journal of Biological Chemistry, 2000, 275, 29275-29282.	3.4	30
172	B cells and type 1 diabetes â€¦ in mice and men. Immunology Letters, 2014, 160, 128-132.	2.5	29
173	Molecular targets of CD45 in B cell antigen receptor signal transduction. Journal of Immunology, 1997, 158, 1116-24.	0.8	27
174	Bacterial superantigens induce VÎ²-specific T cell receptor internalization. Molecular Immunology, 1996, 33, 891-900.	2.2	26
175	Tyrosine kinase and CD45 tyrosine phosphatase activity mediate p21ras activation in B cells stimulated through the antigen receptor. Journal of Immunology, 1994, 152, 3306-16.	0.8	26
176	The hetero-oligomeric antigen receptor complex and its coupling to cytoplasmic effectors. Current Opinion in Genetics and Development, 1994, 4, 55-63.	3.3	25
177	Change you can B(cell)eive in: recent progress confirms a critical role for B cells in type 1 diabetes. Current Opinion in Endocrinology, Diabetes and Obesity, 2009, 16, 293-298.	2.3	25
178	Non-Antibody-Secreting Functions of B Cells and Their Contribution to Autoimmune Disease. Annual Review of Cell and Developmental Biology, 2019, 35, 337-356.	9.4	25
179	Dual molecular mechanisms mediate ligand-induced membrane Ig desensitization. Journal of Immunology, 1990, 145, 13-9.	0.8	25
180	Production of multiple lymphokines by the A20.1 B cell lymphoma after cross-linking of membrane Ig by immobilized anti-Ig. Journal of Immunology, 1989, 143, 881-9.	0.8	25

#	Article	IF	Citations
181	Differential binding activity of ARH1/TAM motifs. Immunology Letters, 1995, 44, 77-80.	2.5	24
182	TLR4-Mediated Signaling Induces MMP9-Dependent Cleavage of B Cell Surface CD23. Journal of Immunology, 2009, 183, 2585-2592.	0.8	24
183	Loss of B-Cell Anergy in Type 1 Diabetes Is Associated With High-Risk HLA and Non-HLA Disease Susceptibility Alleles. Diabetes, 2018, 67, 697-703.	0.6	24
184	The c-Myc/miR17-92/PTEN Axis Tunes PI3K Activity to Control Expression of Recombination Activating Genes in Early B Cell Development. Frontiers in Immunology, 2018, 9, 2715.	4.8	24
185	The gamma subunit of the B cell antigen-receptor complex is a C-terminally truncated product of the B29 gene. Journal of Immunology, 1993, 150, 2814-22.	0.8	24
186	The conundrum of inhibitory signaling by ITAMâ€containing immunoreceptors: Potential molecular mechanisms. FEBS Letters, 2010, 584, 4878-4882.	2.8	22
187	Point mutations define a mIgM transmembrane region motif that determines intersubunit signal transduction in the antigen receptor. Journal of Immunology, 1994, 152, 2837-44.	0.8	22
188	Impaired B cell function during viral infections due to PTEN-mediated inhibition of the PI3K pathway. Journal of Experimental Medicine, 2017, 214, 931-941.	8.5	21
189	Multiple paths to loss of anergy and gain of autoimmunity. Autoimmunity, 2007, 40, 418-424.	2.6	20
190	MHC class II structural requirements for the association with IgÎ±/Î², and signaling of calcium mobilization and cell death. Immunology Letters, 2008, 116, 184-194.	2.5	20
191	CD23-mediated cell signaling in human B cells differs from signaling in cells of the monocytic lineage. Clinical Immunology, 2010, 137, 330-336.	3.2	20
192	B cell antigen receptor (BCR)-mediated formation of a SHP-2-pp120 complex and its inhibition by Fc gamma RIIB1-BCR coligation. Journal of Immunology, 1998, 161, 684-91.	0.8	20
193	Modulation of in vitro murine B-lymphocyte response by curcumin. Phytomedicine, 2009, 16, 982-988.	5.3	19
194	B cell activation versus anergy; the antigen receptor as a molecular switch. Immunology Letters, 2010, 128, 6-7.	2.5	19
195	Imbalanced PTEN and PI3K Signaling Impairs Class Switch Recombination. Journal of Immunology, 2015, 195, 5461-5471.	0.8	19
196	Human pre-B and B cell membrane mu-chains are noncovalently associated with a disulfide-linked complex containing a product of the B29 gene. Journal of Immunology, 1992, 149, 2857-63.	0.8	19
197	CELL CYCLE DEPENDENCE FOR EXPRESSION OF MEMBRANE ASSOCIATED IgD, IgM AND Ia ANTIGEN ON MITOGEN-STIMULATED MURINE B-LYMPHOCYTES. Annals of the New York Academy of Sciences, 1982, 399, 238-254.	3.8	18
198	The cGAS/STING Pathway Detects Streptococcus pneumoniae but Appears Dispensable for Antipneumococcal Defense in Mice and Humans. Infection and Immunity, 2018, 86, .	2.2	18

#	Article	IF	Citations
199	Endotypes in T1D: B lymphocytes and early onset. Current Opinion in Endocrinology, Diabetes and Obesity, 2020, 27, 225-230.	2.3	18
200	Ligation of human CD4 interferes with antigen-induced activation of primary T cells. Immunology Letters, 2002, 82, 131-139.	2.5	17
201	VISA Is Required for B Cell Expression of TLR7. Journal of Immunology, 2012, 188, 248-258.	0.8	17
202	Protective role of B cells in sterile particulateâ€“induced lung injury. JCI Insight, 2019, 4, .	5.0	17
203	Evaluation of methods for the isolation of plasma membranes displaying guanosine 5â€²-triphosphate-dependence for the regulation of adenylate cyclase activity: Potential application to the study of other guanosine 5â€²-triphosphate-dependent transduction systems. Analytical Biochemistry, 1988, 175, 177-190.	2.4	16
204	Regulation of hematopoietic cell function by inhibitory immunoglobulin G receptors and their inositol lipid phosphatase effectors. Immunological Reviews, 2008, 224, 44-57.	6.0	16
205	B-cell proliferation initiated by Ia cross-linking and sustained by interleukins leads to class switching but not somatic mutation in vitro. Immunology, 1992, 75, 116-21.	4.4	16
206	Identification and characterization of a hapten-modifiable tepc 15 cross-reactive idiotype in swine. Molecular Immunology, 1985, 22, 1159-1168.	2.2	15
207	Cognate B Cell Signaling via MHC Class II: Differential Regulation of B Cell Antigen Receptor and MHC Class II/Ig-Î±Î² Signaling by CD22. Journal of Immunology, 2004, 172, 195-201.	0.8	15
208	Autonomous SHIP-dependent FcÎ³R signaling in pre-B cells leads to inhibition of cell migration and induction of cell death. Immunology Letters, 2004, 92, 75-81.	2.5	15
209	B Cell Receptor Affinity for Insulin Dictates Autoantigen Acquisition and B Cell Functionality in Autoimmune Diabetes. Journal of Clinical Medicine, 2016, 5, 98.	2.4	15
210	Silencing of high-affinity insulin-reactive B lymphocytes by anergy and impact of the NOD genetic background in mice. Diabetologia, 2018, 61, 2621-2632.	6.3	15
211	Contamination of DNase Preparations Confounds Analysis of the Role of DNA in Alum-Adjuvanted Vaccines. Journal of Immunology, 2016, 197, 1221-1230.	0.8	14
212	Soluble Antigen Arrays for Selective Desensitization of Insulin-Reactive B Cells. Molecular Pharmaceutics, 2019, 16, 1563-1572.	4.6	14
213	Anti-immunoglobulin M activates nuclear calcium/calmodulin-dependent protein kinase II in human B lymphocytes.. Journal of Experimental Medicine, 1995, 182, 1943-1949.	8.5	13
214	Manipulation of B cell antigen receptor tyrosine phosphorylation using aluminum fluoride and sodium orthovanadate. Molecular Immunology, 1995, 32, 1283-1294.	2.2	13
215	Interleukin-4 overcomes the negative influence of cyclic amp accumulation on antigen receptor stimulated B lymphocytes. Molecular Immunology, 1998, 35, 997-1014.	2.2	13
216	Involvement of CD4 D3â€“D4 membrane proximal extracellular domain for the inhibitory effect of oxidative stress on activation-induced CD4 down-regulation and its possible role for T cell activation. Molecular Immunology, 2003, 39, 909-921.	2.2	13

#	Article	IF	Citations
217	Retention of Anergy and Inhibition of Antibody Responses during Acute Gammaherpesvirus 68 Infection. Journal of Immunology, 2012, 189, 2965-2974.	0.8	13
218	Modulation of MHC Class II Signal Transduction by CD19. , 2007, 596, 139-148.		13
219	Hyper-Ia antigen expression on B cells from mice correlates with manifestations of the autoimmune state. Clinical Immunology and Immunopathology, 1985, 34, 124-129.	2.0	12
220	Phosphatase regulation of immunoreceptor signaling in T cells, B cells and mast cells. Current Opinion in Immunology, 2013, 25, 313-320.	5.5	12
221	A Precision B Cellâ€“Targeted Therapeutic Approach to Autoimmunity Caused by Phosphatidylinositol 3-Kinase Pathway Dysregulation. Journal of Immunology, 2019, 202, 3381-3393.	0.8	11
222	Flow cytometric analysis of intracellular calcium mobilization. Methods in Enzymology, 1987, 141, 53-63.	1.0	10
223	Introduction: multifaceted roles of lipids and their catabolites in immune cell signaling. Seminars in Immunology, 2002, 14, 1-6.	5.6	10
224	Differential STIM1 expression in T and B cell subsets suggests a role in determining antigen receptor signal amplitude. Molecular Immunology, 2011, 48, 1851-1858.	2.2	10
225	Therapeutic Targeting of Autoreactive B Cells: Why, How, and When?. Biomedicines, 2021, 9, 83.	3.2	10
226	Identification of a brain theta-positive, secretory cell from hematopoietic tissues. Journal of Immunology, 1981, 127, 1685-91.	0.8	10
227	Selective Loss of Responsiveness to Exogenous but Not Endogenous Cyclic-Dinucleotides in Mice Expressing STING-R231H. Frontiers in Immunology, 2020, 11, 238.	4.8	9
228	General Parity between Trio and Pairwise Breeding of Laboratory Mice in Static Caging. Journal of Immunology, 2014, 193, 4757-4760.	0.8	8
229	The Unexpected Complexity of FcÎ³RIIB Signal Transduction. Current Topics in Microbiology and Immunology, 1999, , 43-55.	1.1	8
230	FcÎ³RIIB-mediated inhibition of T-cell receptor signal transduction involves the phosphorylation of SH2-containing inositol 5-phosphatase (SHIP), dephosphorylation of the linker of activated T-cells (LAT) and inhibition of calcium mobilization. Biochemical Society Transactions, 2001, 29, 840.	3.4	8
231	Preclinical Analysis of Candidate Anti-Human CD79 Therapeutic Antibodies Using a Humanized CD79 Mouse Model. Journal of Immunology, 2022, 208, 1566-1584.	0.8	8
232	Capturing antigen receptor components. Current Biology, 1991, 1, 25-27.	3.9	7
233	The inositol 5-phosphatase SHIP-1 and adaptors Dok-1 and 2 play central roles in CD4-mediated inhibitory signaling. Immunology Letters, 2012, 143, 122-130.	2.5	7
234	SMIP-016 in Action: CD37 as a Death Receptor. Cancer Cell, 2012, 21, 597-598.	16.8	6

#	Article	IF	Citations
235	Establishing Anergy as a Bona Fide In Vivo Mechanism of B Cell Tolerance. Journal of Immunology, 2009, 183, 5439-5441.	0.8	5
236	Î±Î² TCR+T Cells, but Not B Cells, Promote Autoimmune Keratitis in B10 Mice Lacking Î³Î´ T Cells. , 2012, 53, 301.		5
237	Inhibitory Receptor Trap: A Platform for Discovery of Inhibitory Receptors That Utilize Inositol Lipid and Phosphotyrosine Phosphatase Effectors. Frontiers in Immunology, 2020, 11, 592329.	4.8	5
238	Peripheral immunophenotyping of AITD subjects reveals alterations in immune cells in pediatric vs adult-onset AITD. IScience, 2022, 25, 103626.	4.1	5
239	Immunology: Seeing the way to B-cell growth. Nature, 1986, 319, 620-620.	27.8	4
240	Flow cytometric analysis of intracellular calcium: The polyclonal and antigen-specific response in human B lymphocytes. Methods, 1991, 2, 219-226.	3.8	4
241	Coupling of B Cell Surface Ig, Ia and BSF1 Receptors to Intracellular â€œSecond Messengersâ€• Advances in Experimental Medicine and Biology, 1987, 213, 195-205.	1.6	4
242	Editorial overview. Current Opinion in Immunology, 2011, 23, 509-511.	5.5	3
243	Study of SHIP-binding cell surface proteins suggests c-kit as a SHIP-interacting receptor in mast cells. Signal Transduction, 2005, 5, 28-39.	0.4	2
244	B cells talk to their progenitors. Blood, 2011, 117, 2985-2986.	1.4	2
245	Mechanisms of Peripheral B Cell Tolerance. , 2016, , 83-91.		2
246	Inhibitory Receptors and Their Modes of Action. Cold Spring Harbor Symposia on Quantitative Biology, 1999, 64, 329-334.	1.1	2
247	Magnetic Enrichment of SARS-CoV-2 Antigen-Binding B Cells for Analysis of Transcriptome and Antibody Repertoire. Magnetochemistry, 2022, 8, 23.	2.4	2
248	Differential Transmembrane Signaling in B Lymphocyte Activation. Annals of the New York Academy of Sciences, 1987, 494, 52-63.	3.8	1
249	Integrated immunology in Colorado. Immunologic Research, 2013, 55, 1-2.	2.9	1
250	Membrane Events During Lymphocyte Activation. Handbook of Experimental Pharmacology, 1988, , 53-82.	1.8	1
251	David W. Talmage, 1919-2014. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6533-6533.	7.1	0