Tomohiro Kurosaki

List of Publications by Year
in descending order

272	27,771	2797 94	6831 155
papers	citations	h-index	g-index

287	287	287	27465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LTRPC7 is a MgÂ·ATP-regulated divalent cation channel required for cell viability. Nature, 2001, 411, 590-595.	13.7	855
2	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
3	Regulation of Vertebrate Cellular Mg2+ Homeostasis by TRPM7. Cell, 2003, 114, 191-200.	13.5	674
4	Cytochrome c binds to inositol (1,4,5) trisphosphate receptors, amplifying calcium-dependent apoptosis. Nature Cell Biology, 2003, 5, 1051-1061.	4.6	573
5	Memory B cells. Nature Reviews Immunology, 2015, 15, 149-159.	10.6	539
6	Zinc is a novel intracellular second messenger. Journal of Cell Biology, 2007, 177, 637-645.	2.3	518
7	A 13-amino-acid motif in the cytoplasmic domain of FcÎ³RIIB modulates B-cell receptor signalling. Nature, 1994, 368, 70-73.	13.7	503
8	BLNK. Immunity, 1998, 9, 93-103.	6.6	478
9	Deletion of SHIP or SHP-1 Reveals Two Distinct Pathways for Inhibitory Signaling. Cell, 1997, 90, 293-301.	13.5	474
10	Interleukin-10-Producing Plasmablasts Exert Regulatory Function in Autoimmune Inflammation. Immunity, 2014, 41, 1040-1051.	6.6	450
11	Molecular and Functional Characterization of a Novel Mouse Transient Receptor Potential Protein Homologue TRP7. Journal of Biological Chemistry, 1999, 274, 27359-27370.	1.6	420
12	GENETIC ANALYSIS OF B CELL ANTIGEN RECEPTOR SIGNALING. Annual Review of Immunology, 1999, 17, 555-592.	9.5	402
13	Expression of functional acetylcholine receptor from cloned cDNAs. Nature, 1984, 307, 604-608.	13.7	394
14	SHIP Modulates Immune Receptor Responses by Regulating Membrane Association of Btk. Immunity, 1998, 8, 509-516.	6.6	363
15	Bcl6 Protein Expression Shapes Pre-Germinal Center B Cell Dynamics and Follicular Helper T Cell Heterogeneity. Immunity, 2011, 34, 961-972.	6.6	346
16	Regulatory T Cells Control Antigen-Specific Expansion of Tfh Cell Number and Humoral Immune Responses via the Coreceptor CTLA-4. Immunity, 2014, 41, 1013-1025.	6.6	330
17	Essential function for the calcium sensor STIM1 in mast cell activation and anaphylactic responses. Nature Immunology, 2008, 9, 81-88.	7.0	312
18	BLNK Required for Coupling Syk to PLCÎ³2 and Rac1-JNK in B Cells. Immunity, 1999, 10, 117-125.	6.6	306

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19	KLRG1+ Effector CD8+ T Cells Lose KLRG1, Differentiate into All Memory T Cell Lineages, and Convey Enhanced Protective Immunity. Immunity, 2018, 48, 716-729.e8.	6.6	300
20	Tyrosine Kinases Btk and Tec Regulate Osteoclast Differentiation by Linking RANK and ITAM Signals. Cell, 2008, 132, 794-806.	13.5	297
21	Regulated selection of germinal-center cells into the memory B cell compartment. Nature Immunology, 2016, 17, 861-869.	7.0	294
22	Coupling of STIM1 to store-operated Ca2+ entry through its constitutive and inducible movement in the endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16704-16709.	3.3	291
23	B Cell Signaling and Fate Decision. Annual Review of Immunology, 2010, 28, 21-55.	9.5	290
24	Tyrosine kinases in activation of the MAP kinase cascade by G-protein-coupled receptors. Nature, 1996, 380, 541-544.	13.7	281
25	Molecular Cloning and Functional Characterization of a Novel Receptor-activated TRP Ca2+ Channel from Mouse Brain. Journal of Biological Chemistry, 1998, 273, 10279-10287.	1.6	262
26	BCAP. Immunity, 2000, 13, 817-827.	6.6	250
27	Distinct cellular pathways select germline-encoded and somatically mutated antibodies into immunological memory. Journal of Experimental Medicine, 2012, 209, 2079-2097.	4.2	237
28	The Calcium Sensors STIM1 and STIM2 Control B Cell Regulatory Function through Interleukin-10 Production. Immunity, 2011, 34, 703-714.	6.6	235
29	T Follicular Helper Cell-Germinal Center B Cell Interaction Strength Regulates Entry into Plasma Cell or Recycling Germinal Center Cell Fate. Immunity, 2018, 48, 702-715.e4.	6.6	232
30	Restricted Clonality and Limited Germinal Center Reentry Characterize Memory B Cell Reactivation by Boosting. Cell, 2020, 180, 92-106.e11.	13.5	220
31	BLNK. Immunity, 2000, 12, 1-5.	6.6	216
32	Role of the Phospholipase C-Inositol 1,4,5-Trisphosphate Pathway in Calcium Release-activated Calcium Current and Capacitative Calcium Entry. Journal of Biological Chemistry, 2001, 276, 15945-15952.	1.6	212
33	SHIP Recruitment Attenuates FcÎ³RIIB-Induced B Cell Apoptosis. Immunity, 1999, 10, 753-760.	6.6	206
34	S-glutathionylation activates STIM1 and alters mitochondrial homeostasis. Journal of Cell Biology, 2010, 190, 391-405.	2.3	201
35	Requirement of SH2-containing Protein Tyrosine Phosphatases SHP-1 and SHP-2 for Paired Immunoglobulin-like Receptor B (PIR-B)â€“mediated Inhibitory Signal. Journal of Experimental Medicine, 1998, 187, 1355-1360.	4.2	196
36	Regulation of B-cell signal transduction by adaptor proteins. Nature Reviews Immunology, 2002, 2, 354-363.	10.6	194

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37	Transient Receptor Potential 1 Regulates Capacitative Ca2+ Entry and Ca2+ Release from Endoplasmic Reticulum in B Lymphocytesâœª. Journal of Experimental Medicine, 2002, 195, 673-681.	4.2	193
38	Memory B cells in the lung participate in protective humoral immune responses to pulmonary influenza virus reinfection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2485-2490.	3.3	193
39	Molecular mechanisms in B cell antigen receptor signaling. Current Opinion in Immunology, 1997, 9, 309-318.	2.4	192
40	Involvement of Guanosine Triphosphatases and Phospholipase C-Î³2 in Extracellular Signalâ€“regulated Kinase, c-Jun NH2-terminal Kinase, and p38 Mitogen-activated Protein Kinase Activation by the B Cell Antigen Receptor. Journal of Experimental Medicine, 1998, 188, 1287-1295.	4.2	192
41	Repression of the Transcription Factor Bach2 Contributes to Predisposition of IgG1 Memory B Cells toward Plasma Cell Differentiation. Immunity, 2013, 39, 136-147.	6.6	187
42	Identification of the SH2 Domain Binding Protein of Brutonâ€™s Tyrosine Kinase as BLNKâ€”Functional Significance of Btk-SH2 Domain in B-Cell Antigen Receptor-Coupled Calcium Signaling. Blood, 1999, 94, 2357-2364.	0.6	184
43	The Inositol Phosphatase SHIP Inhibits Akt/PKB Activation in B Cells. Journal of Biological Chemistry, 1998, 273, 33922-33928.	1.6	183
44	A single amino acid in the glycosyl phosphatidylinositol attachment domain determines the membrane topology of FcÎ³RIII. Nature, 1989, 342, 805-807.	13.7	177
45	Phospholipase C-Î³ Is Required for Agonist-Induced Ca2+ Entry. Cell, 2002, 111, 529-541.	13.5	175
46	A distinct subpopulation of CD25^{â^'}T-follicular regulatory cells localizes in the germinal centers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6400-E6409.	3.3	167
47	Phospholipase C-Î³2 and Vav cooperate within signaling microclusters to propagate B cell spreading in response to membrane-bound antigen. Journal of Experimental Medicine, 2008, 205, 853-868.	4.2	166
48	SYK Is Upstream of Phosphoinositide 3-Kinase in B Cell Receptor Signaling. Journal of Biological Chemistry, 1999, 274, 32662-32666.	1.6	164
49	STIM1 Controls Neuronal Ca2+ Signaling, mGluR1-Dependent Synaptic Transmission, and Cerebellar Motor Behavior. Neuron, 2014, 82, 635-644.	3.8	162
50	PKCÎ² regulates BCR-mediated IKK activation by facilitating the interaction between TAK1 and CARMA1. Journal of Experimental Medicine, 2005, 202, 1423-1431.	4.2	157
51	Different Protein Tyrosine Kinases Are Required for B Cell Antigen Receptorâ€“mediated Activation of Extracellular Signalâ€“Regulated kinase, c-Jun NH2-terminal Kinase 1, and p38 Mitogen-activated Protein Kinase. Journal of Experimental Medicine, 1998, 188, 1297-1306.	4.2	152
52	Assessment of the Role of the Inositol 1,4,5-Trisphosphate Receptor in the Activation of Transient Receptor Potential Channels and Store-operated Ca2+ Entry Channels. Journal of Biological Chemistry, 2001, 276, 18888-18896.	1.6	152
53	Unusual Interplay of Two Types of Ras Activators, RasGRP and SOS, Establishes Sensitive and Robust Ras Activation in Lymphocytes. Molecular and Cellular Biology, 2007, 27, 2732-2745.	1.1	151
54	Cutting Edge: Essential Role of Phospholipase C-Î³2 in B Cell Development and Function. Journal of Immunology, 2000, 165, 1738-1742.	0.4	148

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55	Tyrosine kinases and their substrates in B lymphocytes. Immunological Reviews, 2009, 228, 132-148.	2.8	148
56	Role for B-cell adapter for PI3K (BCAP) as a signaling adapter linking Toll-like receptors (TLRs) to serine/threonine kinases PI3K/Akt. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 273-278.	3.3	148
57	Sialylation converts arthritogenic IgG into inhibitors of collagen-induced arthritis. Nature Communications, 2016, 7, 11205.	5.8	148
58	Erk Kinases Link Pre-B Cell Receptor Signaling to Transcriptional Events Required for Early B Cell Expansion. Immunity, 2008, 28, 499-508.	6.6	144
59	Phospholipase CÎ³2 Is Critical for Dectin-1-mediated Ca2+ Flux and Cytokine Production in Dendritic Cells. Journal of Biological Chemistry, 2009, 284, 7038-7046.	1.6	144
60	B Cell Antigen Receptor-Induced Activation of Akt Promotes B Cell Survival and Is Dependent on Syk Kinase. Journal of Immunology, 2000, 165, 1300-1306.	0.4	140
61	Protein Kinase C Î¼ (PKCÎ¼) Associates with the B Cell Antigen Receptor Complex and Regulates Lymphocyte Signaling. Immunity, 1996, 5, 353-363.	6.6	135
62	Generation of memory B cells and their reactivation. Immunological Reviews, 2018, 283, 138-149.	2.8	135
63	Paired immunoglobulin-like receptor B (PIR-B) inhibits BCR-induced activation of Syk and Btk by SHP-1. Oncogene, 1999, 18, 2291-2297.	2.6	134
64	Syk and Bruton's Tyrosine Kinase Are Required for B Cell Antigen Receptor-mediated Activation of the Kinase Akt. Journal of Biological Chemistry, 1999, 274, 30644-30650.	1.6	132
65	Vav3 Modulates B Cell Receptor Responses by Regulating Phosphoinositide 3-Kinase Activation. Journal of Experimental Medicine, 2002, 195, 189-200.	4.2	130
66	Distinct germinal center selection at local sites shapes memory B cell response to viral escape. Journal of Experimental Medicine, 2015, 212, 1709-1723.	4.2	128
67	Regulation of B-cell development by BCAP and CD19 through their binding to phosphoinositide 3-kinase. Blood, 2008, 111, 1497-1503.	0.6	124
68	STIM protein coupling in the activation of Orai channels. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7391-7396.	3.3	121
69	Generation of colonic IgA-secreting cells in the caecal patch. Nature Communications, 2014, 5, 3704.	5.8	121
70	BLNK mediates Syk-dependent Btk activation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2582-2586.	3.3	120
71	Bach2 maintains T cells in a naive state by suppressing effector memory-related genes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10735-10740.	3.3	119
72	HPK1 Is Activated by Lymphocyte Antigen Receptors and Negatively Regulates AP-1. Immunity, 2000, 12, 399-408.	6.6	118

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73	STIM1, PKC-Î´ and RasGRP set a threshold for proapoptotic Erk signaling during B cell development. Nature Immunology, 2011, 12, 425-433.	7.0	118
74	The Adaptor SAP Controls NK Cell Activation byÂRegulating the Enzymes Vav-1 and SHIP-1 and by Enhancing Conjugates with Target Cells. Immunity, 2012, 36, 974-985.	6.6	118
75	Transphosphorylation of Bruton's Tyrosine Kinase on Tyrosine 551 Is Critical for B Cell Antigen Receptor Function. Journal of Biological Chemistry, 1997, 272, 15595-15598.	1.6	115
76	The B cell-specific major raft protein, Raftlin, is necessary for the integrity of lipid raft and BCR signal transduction. EMBO Journal, 2003, 22, 3015-3026.	3.5	114
77	Four Tyrosine Residues in Phospholipase C-Î³2, Identified as Btk-dependent Phosphorylation Sites, Are Required for B Cell Antigen Receptor-coupled Calcium Signaling. Journal of Biological Chemistry, 2001, 276, 38595-38601.	1.6	113
78	Functional dissection of BCR signaling pathways. Current Opinion in Immunology, 2000, 12, 276-281.	2.4	112
79	Inhaled Fine Particles Induce Alveolar Macrophage Death and Interleukin-1Î± Release to Promote Inducible Bronchus-Associated Lymphoid Tissue Formation. Immunity, 2016, 45, 1299-1310.	6.6	110
80	Essential Immunoregulatory Role for BCAP in B Cell Development and Function. Journal of Experimental Medicine, 2002, 195, 535-545.	4.2	108
81	Exposure of B-lineage Lymphoid Cells to Low Energy Electromagnetic Fields Stimulates Lyn Kinase. Journal of Biological Chemistry, 1995, 270, 27666-27670.	1.6	106
82	BLNK: molecular scaffolding through 'cis'-mediated organization of signaling proteins. EMBO Journal, 2002, 21, 6461-6472.	3.5	105
83	Critical role of the IgM Fc receptor in IgM homeostasis, B-cell survival, and humoral immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2699-706.	3.3	105
84	The transcription factor Foxo1 controls germinal center B cell proliferation in response to T cell help. Journal of Experimental Medicine, 2017, 214, 1181-1198.	4.2	105
85	Selective role for superoxide in InsP3 receptorâ€“mediated mitochondrial dysfunction and endothelial apoptosis. Journal of Cell Biology, 2005, 170, 1079-1090.	2.3	104
86	Preferential localization of IgG memory B cells adjacent to contracted germinal centers. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12192-12197.	3.3	104
87	Requirement for Ras Guanine Nucleotide Releasing Protein 3 in Coupling Phospholipase C-Î³2 to Ras in B Cell Receptor Signaling. Journal of Experimental Medicine, 2003, 198, 1841-1851.	4.2	102
88	Ca ²⁺ signals regulate mitochondrial metabolism by stimulating CREB-mediated expression of the mitochondrial Ca ²⁺ uniporter gene MCU. Science Signaling, 2015, 8, ra23.	1.6	102
89	Amplification of receptor signalling by Ca2+ entry-mediated translocation and activation of PLCÂ2 in B lymphocytes. EMBO Journal, 2003, 22, 4677-4688.	3.5	101
90	Regulation of B cell fates by BCR signaling components. Current Opinion in Immunology, 2002, 14, 341-347.	2.4	100

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91	Functional properties of nicotinic acetylcholine receptor subunits expressed in various combinations. FEBS Letters, 1987, 214, 253-258.	1.3	99
92	IÎºB kinase Î²â€“induced phosphorylation of CARMA1 contributes to CARMA1â€“Bcl10â€“MALT1 complex formation in B cells. Journal of Experimental Medicine, 2007, 204, 3285-3293.	4.2	99
93	Responsiveness of B cells is regulated by the hinge region of IgD. Nature Immunology, 2015, 16, 534-543.	7.0	98
94	Paired Immunoglobulin-like Receptor (PIR)-A Is Involved in Activating Mast Cells through Its Association with Fc Receptor Î³ Chain. Journal of Experimental Medicine, 1998, 188, 991-995.	4.2	97
95	Involvement of Wiskott-Aldrich Syndrome Protein in B-Cell Cytoplasmic Tyrosine Kinase Pathway. Blood, 1999, 93, 2003-2012.	0.6	97
96	The transcription repressors Bach2 and Bach1 promote B cell development by repressing the myeloid program. Nature Immunology, 2014, 15, 1171-1180.	7.0	97
97	Reconstitution of Syk function by the ZAP-70 protein tyrosine kinase. Immunity, 1995, 2, 485-492.	6.6	96
98	B Cell Antigen Receptor Engagement Inhibits Stromal Cellâ€“derived Factor (SDF)-1Î± Chemotaxis and Promotes Protein Kinase C (PKC)-induced Internalization of CXCR4. Journal of Experimental Medicine, 1999, 189, 1461-1466.	4.2	96
99	CD45 Modulates Phosphorylation of Both Autophosphorylation and Negative Regulatory Tyrosines of Lyn in B Cells. Journal of Biological Chemistry, 1996, 271, 30487-30492.	1.6	94
100	Regulation of BCR signaling. Molecular Immunology, 2011, 48, 1287-1291.	1.0	94
101	The Vav Binding Site (Y315) in ZAP-70 Is Critical for Antigen Receptorâ€“mediated Signal Transduction. Journal of Experimental Medicine, 1997, 185, 1877-1882.	4.2	90
102	BACH transcription factors in innate and adaptive immunity. Nature Reviews Immunology, 2017, 17, 437-450.	10.6	90
103	Syk Tyrosine Kinase Is Required for Immunoreceptor Tyrosine Activation Motif-dependent Actin Assembly. Journal of Biological Chemistry, 1996, 271, 16597-16602.	1.6	88
104	Requirement of Src Kinase Lyn for Induction of DNA Synthesis by Granulocyte Colony-stimulating Factor. Journal of Biological Chemistry, 1998, 273, 3230-3235.	1.6	88
105	Regulation of memory B and plasma cell differentiation. Current Opinion in Immunology, 2017, 45, 126-131.	2.4	88
106	Positive Feedback Within a Kinase Signaling Complex Functions as a Switch Mechanism for NF-ÎºB Activation. Science, 2014, 344, 760-764.	6.0	87
107	BANK Negatively Regulates Akt Activation and Subsequent B Cell Responses. Immunity, 2006, 24, 259-268.	6.6	86
108	Memory B cells contribute to rapid Bcl6 expression by memory follicular helper T cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11792-11797.	3.3	86

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109	Tyrosine Phosphorylation of Shc Is Mediated through Lyn and Syk in B Cell Receptor Signaling. Journal of Biological Chemistry, 1995, 270, 6824-6829.	1.6	82
110	The Meninâ€“Bach2 axis is critical for regulating CD4 T-cell senescence and cytokine homeostasis. Nature Communications, 2014, 5, 3555.	5.8	82
111	An ITAM-Syk-CARD9 signalling axis triggers contact hypersensitivity by stimulating IL-1 production in dendritic cells. Nature Communications, 2014, 5, 3755.	5.8	82
112	Syk-dependent and -independent Signaling Cascades in B Cells Elicited by Osmotic and Oxidative Stress. Journal of Biological Chemistry, 1997, 272, 2098-2103.	1.6	82
113	Cbl Suppresses B Cell Receptorâ€“Mediated Phospholipase C (Plc)-Î³2 Activation by Regulating B Cell Linker Proteinâ€“Plc-Î³2 Binding. Journal of Experimental Medicine, 2000, 191, 641-650.	4.2	81
114	Activation of RasGRP3 by phosphorylation of Thr-133 is required for B cell receptor-mediated Ras activation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16612-16617.	3.3	80
115	FCRL3, an Autoimmune Susceptibility Gene, Has Inhibitory Potential on B-Cell Receptor-Mediated Signaling. Journal of Immunology, 2009, 183, 5502-5510.	0.4	80
116	ERKs Induce Expression of the Transcriptional Repressor Blimp-1 and Subsequent Plasma Cell Differentiation. Science Signaling, 2011, 4, ra25.	1.6	79
117	Activation of the Rap1 GTPase by the B Cell Antigen Receptor. Journal of Biological Chemistry, 1998, 273, 29218-29223.	1.6	76
118	Involvement of Lat, Gads, and Grb2 in Compartmentation of Slp-76 to the Plasma Membrane. Journal of Experimental Medicine, 2000, 192, 847-856.	4.2	76
119	Grb2 and the Non-T Cell Activation Linker NTAL Constitute a Ca2+-Regulating Signal Circuit in B Lymphocytes. Immunity, 2004, 21, 681-691.	6.6	76
120	STIM1 calcium sensor is required for activation of the phagocyte oxidase during inflammation and host defense. Blood, 2014, 123, 2238-2249.	0.6	76
121	BACH2 enforces the transcriptional and epigenetic programs of stem-like CD8+ T cells. Nature Immunology, 2021, 22, 370-380.	7.0	75
122	The B Cell Inhibitory Fc Receptor Triggers Apoptosis by a Novel c-Abl Family Kinase-dependent Pathway. Journal of Biological Chemistry, 2005, 280, 35247-35254.	1.6	74
123	Construction of an open-access database that integrates cross-reference information from the transcriptome and proteome of immune cells. Bioinformatics, 2007, 23, 2934-2941.	1.8	74
124	Bach2â€“Batf interactions control Th2-type immune response by regulating the IL-4 amplification loop. Nature Communications, 2016, 7, 12596.	5.8	73
125	Genetic Evidence for a Tyrosine Kinase Cascade Preceding the Mitogen-activated Protein Kinase Cascade in Vertebrate G Protein Signaling. Journal of Biological Chemistry, 1997, 272, 17209-17215.	1.6	67
126	Impact of Ca2+ signaling on B cell function. Trends in Immunology, 2011, 32, 589-594.	2.9	67

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127	Distinctive Functions of Syk and Lyn in Mediating Osmotic Stress- and Ultraviolet C Irradiation-induced Apoptosis in Chicken B Cells. Journal of Biological Chemistry, 1997, 272, 17994-17999.	1.6	65
128	A Lysosomal Protein Negatively Regulates Surface T Cell Antigen Receptor Expression by Promoting CD3Î¶-Chain Degradation. Immunity, 2008, 29, 33-43.	6.6	64
129	Hydroxypropyl-Î²-Cyclodextrin Spikes Local Inflammation That Induces Th2 Cell and T Follicular Helper Cell Responses to the Coadministered Antigen. Journal of Immunology, 2015, 194, 2673-2682.	0.4	64
130	DNA Polymerases Î· and Î¸ Function in the Same Genetic Pathway to Generate Mutations at A/T during Somatic Hypermutation of Ig Genes*. Journal of Biological Chemistry, 2007, 282, 17387-17394.	1.6	62
131	PLC-Î³2 is essential for formation and maintenance of memory B cells. Journal of Experimental Medicine, 2009, 206, 681-689.	4.2	62
132	Bruton's tyrosine kinase activity is negatively regulated by Sab, the Btk-SH3 domain-binding protein. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6341-6346.	3.3	61
133	Peptidoglycan and lipopolysaccharide activate PLCÎ³2, leading to enhanced cytokine production in macrophages and dendritic cells. Genes To Cells, 2008, 13, 199-208.	0.5	61
134	Stimulation of Src Family Protein-tyrosine Kinases as a Proximal and Mandatory Step for SYK Kinase-dependent Phospholipase CÎ³2 Activation in Lymphoma B Cells Exposed to Low Energy Electromagnetic Fields. Journal of Biological Chemistry, 1998, 273, 4035-4039.	1.6	60
135	Ca2+ influx and protein scaffolding via TRPC3 sustain PKCÎ² and ERK activation in B cells. Journal of Cell Science, 2010, 123, 927-938.	1.2	60
136	Dephosphorylation of Carma1 by PP2A negatively regulates T-cell activation. EMBO Journal, 2011, 30, 594-605.	3.5	60
137	Differentiation and maintenance of long-lived plasma cells. Current Opinion in Immunology, 2015, 33, 64-69.	2.4	60
138	Cooperation of Tyrosine Kinases P72syk and P53/56lyn Regulates Calcium Mobilization in Chicken B Cell Oxidant Stress Signaling. FEBS Journal, 1996, 236, 443-449.	0.2	59
139	Regulation of Vav Localization in Membrane Rafts by Adaptor Molecules Grb2 and BLNK. Immunity, 2003, 18, 777-787.	6.6	59
140	Coupling Between B Cell Receptor and Phospholipase C-Î³2 Is Essential for Mature B Cell Development. Journal of Experimental Medicine, 2003, 198, 581-589.	4.2	59
141	Attenuation of TCR-induced transcription by Bach2 controls regulatory T cell differentiation and homeostasis. Nature Communications, 2020, 11, 252.	5.8	59
142	The structure and function of nonreceptor tyrosine kinase p72syk expressed in hematopoietic cells. Cellular Signalling, 1995, 7, 185-193.	1.7	56
143	Contribution of BCAP to maintenance of mature B cells through c-Rel. Nature Immunology, 2003, 4, 780-786.	7.0	56
144	A Role for Lysosomal-Associated Protein Transmembrane 5 in the Negative Regulation of Surface B Cell Receptor Levels and B Cell Activation. Journal of Immunology, 2010, 185, 294-301.	0.4	56

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145	Tet2 and Tet3 in B cells are required to repress CD86 and prevent autoimmunity. Nature Immunology, 2020, 21, 950-961.	7.0	55
146	Reconstitution of Btk Signaling by the Atypical Tec Family Tyrosine Kinases Bmx and Txk. Journal of Biological Chemistry, 1999, 274, 13577-13585.	1.6	54
147	A conditional form of Bruton's tyrosine kinase is sufficient to activate multiple downstream signaling pathways via PLC Gamma 2 in B cells. BMC Immunology, 2001, 2, 4.	0.9	54
148	Involvement of Shc and Cbl-PI 3-kinase in Lyn-dependent proliferative signaling pathways for G-CSF. Oncogene, 2000, 19, 97-105.	2.6	53
149	The B Lymphocyte Adaptor Molecule of 32 kD (Bam32) Regulates B Cell Antigen Receptor Signaling and Cell Survival. Journal of Experimental Medicine, 2002, 195, 143-149.	4.2	53
150	Tyrosine phosphorylation of B-cell adaptor for phosphoinositide 3-kinase is required for Akt activation in response to CD19 engagement. Blood, 2002, 99, 584-589.	0.6	53
151	Regulation of Ca2+-release-activated Ca2+ current (Icrac) by ryanodine receptors in inositol 1,4,5-trisphosphate-receptor-deficient DT40 cells. Biochemical Journal, 2001, 360, 17-22.	1.7	52
152	Shc Regulates Epidermal Growth Factor-induced Activation of the JNK Signaling Pathway. Journal of Biological Chemistry, 1999, 274, 20139-20143.	1.6	49
153	Unique properties of memory B cells of different isotypes. Immunological Reviews, 2010, 237, 104-116.	2.8	49
154	Plasma cell differentiation during the germinal center reaction. Immunological Reviews, 2019, 288, 64-74.	2.8	49
155	Cbl-b Positively Regulates Btk-mediated Activation of Phospholipase C-Î³2 in B Cells. Journal of Experimental Medicine, 2002, 196, 51-63.	4.2	48
156	Differential regulation of NFAT and SRF by the B cell receptor via a PLCÂ-Ca2+-dependent pathway. EMBO Journal, 2003, 22, 4166-4177.	3.5	48
157	Trim33 mediates the proinflammatory function of Th17 cells. Journal of Experimental Medicine, 2018, 215, 1853-1868.	4.2	48
158	Physiological function and molecular basis of STIM1â€mediated calcium entry in immune cells. Immunological Reviews, 2009, 231, 174-188.	2.8	47
159	BACH2 drives quiescence and maintenance of resting Treg cells to promote homeostasis and cancer immunosuppression. Journal of Experimental Medicine, 2020, 217, .	4.2	47
160	Exit from germinal center to become quiescent memory B cells depends on metabolic reprograming and provision of a survival signal. Journal of Experimental Medicine, 2021, 218, .	4.2	47
161	A SARS-CoV-2 antibody broadly neutralizes SARS-related coronaviruses and variants by coordinated recognition of a virus-vulnerable site. Immunity, 2021, 54, 2385-2398.e10.	6.6	46
162	Comprehending the complex connection between PKCÎ², TAK1, and IKK in BCR signaling. Immunological Reviews, 2009, 232, 300-318.	2.8	44

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163	Role of Calcium Signaling in B Cell Activation and Biology. Current Topics in Microbiology and Immunology, 2015, 393, 143-174.	0.7	44
164	Regulation of Ca2+-release-activated Ca2+ current (Icrac) by ryanodine receptors in inositol 1,4,5-trisphosphate-receptor-deficient DT40 cells. Biochemical Journal, 2001, 360, 17.	1.7	44
165	CNOT3 contributes to early B cell development by controlling Igh rearrangement and p53 mRNA stability. Journal of Experimental Medicine, 2015, 212, 1465-1479.	4.2	43
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