Anthony L Defranco

List of Publications by Year
in descending order

78 papers	7,104 citations	53660 45 h-index	69108 77 g-index
150 all docs	150 docs citations	150 times ranked	8302 citing authors

#	Article	IF	Citations
1	A Critical Role for Syk in Signal Transduction and Phagocytosis Mediated by FcÎ³ Receptors on Macrophages. Journal of Experimental Medicine, 1997, 186, 1027-1039.	4.2	471
2	Characterization of the B Lymphocyte Populations in Lyn-Deficient Mice and the Role of Lyn in Signal Initiation and Down-Regulation. Immunity, 1997, 7, 69-81.	6.6	409
3	Stimulation of protein tyrosine phosphorylation by the B-lymphocyte antigen receptor. Nature, 1990, 345, 810-813.	13.7	352
4	Toll-like Receptors Activate Innate and Adaptive Immunity by using Dendritic Cell-Intrinsic and -Extrinsic Mechanisms. Immunity, 2008, 29, 272-282.	6.6	329
5	The complexity of signaling pathways activated by the BCR. Current Opinion in Immunology, 1997, 9, 296-308.	2.4	314
6	Î³Î´ intraepithelial lymphocytes are essential mediators of hostâ€“microbial homeostasis at the intestinal mucosal surface. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8743-8748.	3.3	262
7	FcÎ³ Receptorâ€“Mediated Phagocytosis in Macrophages Lacking the Src Family Tyrosine Kinases Hck, Fgr, and Lyn. Journal of Experimental Medicine, 2000, 191, 669-682.	4.2	255
8	Expression of A20 by dendritic cells preserves immune homeostasis and prevents colitis and spondyloarthritis. Nature Immunology, 2011, 12, 1184-1193.	7.0	210
9	Selective Utilization of Toll-like Receptor and MyD88 Signaling in B Cells for Enhancement of the Antiviral Germinal Center Response. Immunity, 2011, 34, 375-384.	6.6	206
10	Ligand-regulated Chimeric Receptor Approach Reveals Distinctive Subcellular Localization and Signaling Properties of the Toll-like Receptors. Journal of Biological Chemistry, 2004, 279, 19008-19017.	1.6	204
11	CD19 Regulates Src Family Protein Tyrosine Kinase Activation in B Lymphocytes through Processive Amplification. Immunity, 2000, 13, 47-57.	6.6	189
12	Quantitative proteomic analysis of B cell lipid rafts reveals that ezrin regulates antigen receptorâ€“mediated lipid raft dynamics. Nature Immunology, 2006, 7, 625-633.	7.0	189
13	TLR3 and TLR7 Are Targeted to the Same Intracellular Compartments by Distinct Regulatory Elements. Journal of Biological Chemistry, 2005, 280, 37107-37117.	1.6	184
14	Parasite-induced TH1 cells and intestinal dysbiosis cooperate in IFN-Î³-dependent elimination of Paneth cells. Nature Immunology, 2013, 14, 136-142.	7.0	170
15	Defective negative regulation of antigen receptor signaling in Lyn-deficient B lymphocytes. Current Biology, 1998, 8, 545-553.	1.8	158
16	Molecular Aspects of B-Lymphocyte Activation. Annual Review of Cell Biology, 1987, 3, 143-178.	26.0	134
17	Prolonged Production of Reactive Oxygen Species in Response to B Cell Receptor Stimulation Promotes B Cell Activation and Proliferation. Journal of Immunology, 2012, 189, 4405-4416.	0.4	125
18	Inhibition of the MEK/ERK Signaling Pathway Blocks a Subset of B Cell Responses to Antigen. Journal of Immunology, 2001, 166, 3855-3864.	0.4	121

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19	B-cell antigen receptor motifs have redundant signalling capabilities and bind the tyrosine kinases PTK72, Lyn and Fyn. Current Biology, 1993, 3, 645-657.	1.8	117
20	Lipid rafts and B cell signaling. Seminars in Cell and Developmental Biology, 2007, 18, 616-626.	2.3	115
21	Regulation of Growth and Proliferation in B Cell Subpopulations. Immunological Reviews, 1982, 64, 161-182.	2.8	113
22	Lupus-like kidney disease in mice deficient in the Src family tyrosine kinases Lyn and Fyn. Current Biology, 2001, 11, 34-38.	1.8	107
23	Transmembrane signaling by antigen receptors of B and T lymphocytes. Current Opinion in Cell Biology, 1995, 7, 163-175.	2.6	104
24	B Cellâ€“Specific Loss of Lyn Kinase Leads to Autoimmunity. Journal of Immunology, 2014, 192, 919-928.	0.4	104
25	Phosphatidylinositol 3-kinase and mTOR mediate lipopolysaccharide-stimulated nitric oxide production in macrophages via interferon-Î². Journal of Leukocyte Biology, 2000, 67, 405-414.	1.5	102
26	Critical coordination of innate immune defense against Toxoplasma gondii by dendritic cells responding via their Toll-like receptors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 278-283.	3.3	100
27	B Cell-Intrinsic MyD88 Signaling Prevents the Lethal Dissemination of Commensal Bacteria during Colonic Damage. Immunity, 2012, 36, 228-238.	6.6	100
28	Myeloid cells, BAFF, and IFN-Î³ establish an inflammatory loop that exacerbates autoimmunity in Lyn-deficient mice. Journal of Experimental Medicine, 2010, 207, 1757-1773.	4.2	93
29	Making and breaking tolerance. Current Opinion in Immunology, 2002, 14, 744-759.	2.4	92
30	Role of Ceramide in Lipopolysaccharide (LPS)-induced Signaling. Journal of Biological Chemistry, 1999, 274, 1767-1775.	1.6	86
31	Positive and negative roles of the tyrosine kinase Lyn in B cell function. Seminars in Immunology, 1998, 10, 299-307.	2.7	84
32	Requirement for MyD88 Signaling in B Cells and Dendritic Cells for Germinal Center Anti-Nuclear Antibody Production in Lyn-Deficient Mice. Journal of Immunology, 2014, 192, 875-885.	0.4	83
33	Hyperactivated MyD88 signaling in dendritic cells, through specific deletion of Lyn kinase, causes severe autoimmunity and inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3311-20.	3.3	78
34	Activation-induced Association of a 145-kDa Tyrosine-phosphorylated Protein with Shc and Syk in B Lymphocytes and Macrophages. Journal of Biological Chemistry, 1996, 271, 1145-1152.	1.6	76
35	Toll-like receptor 9 signaling acts on multiple elements of the germinal center to enhance antibody responses. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3224-33.	3.3	76
36	Immunosuppressants at work. Nature, 1991, 352, 754-755.	13.7	75

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37	Developmental Acquisition of the Lyn-CD22-SHP-1 Inhibitory Pathway Promotes B Cell Tolerance. Journal of Immunology, 2009, 182, 5382-5392.	0.4	74
38	MyD88-dependent interplay between myeloid and endothelial cells in the initiation and progression of obesity-associated inflammatory diseases. Journal of Experimental Medicine, 2014, 211, 887-907.	4.2	70
39	B cell-derived IL-10 suppresses inflammatory disease in Lyn-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E823-32.	3.3	69
40	Dendritic Cell Expression of the Signaling Molecule TRAF6 Is Critical for Gut Microbiota-Dependent Immune Tolerance. Immunity, 2013, 38, 1211-1222.	6.6	67
41	Contribution of Tollâ€like receptor signaling to germinal center antibody responses. Immunological Reviews, 2012, 247, 64-72.	2.8	60
42	Splenic Red Pulp Macrophages Produce Type I Interferons as Early Sentinels of Malaria Infection but Are Dispensable for Control. PLoS ONE, 2012, 7, e48126.	1.1	53
43	The Src Homology Domain 2-Containing Inositol Phosphatase SHIP Forms a Ternary Complex with Shc and Grb2 in Antigen Receptor-stimulated B Lymphocytes. Journal of Biological Chemistry, 1999, 274, 12183-12191.	1.6	49
44	Cutting Edge: ABIN-1 Protects against Psoriasis by Restricting MyD88 Signals in Dendritic Cells. Journal of Immunology, 2013, 191, 535-539.	0.4	49
45	Reconstitution of B Cell Antigen Receptor-induced Signaling Events in a Nonlymphoid Cell Line by Expressing the Syk Protein-tyrosine Kinase. Journal of Biological Chemistry, 1996, 271, 6458-6466.	1.6	47
46	Examination of B lymphoid cell lines for membrane immunoglobulin-stimulated tyrosine phosphorylation and src-family tyrosine kinase mRNA expression. Molecular Immunology, 1992, 29, 917-926.	1.0	42
47	Vav and the B cell signalosome. Nature Immunology, 2001, 2, 482-484.	7.0	40
48	B Cellâ€“Intrinsic MyD88 Signaling Promotes Initial Cell Proliferation and Differentiation To Enhance the Germinal Center Response to a Virus-like Particle. Journal of Immunology, 2018, 200, 937-948.	0.4	36
49	Signal Transduction by the B-Cell Antigen Receptor. Annals of the New York Academy of Sciences, 1995, 766, 195-201.	1.8	35
50	Between B cells and T cells. Nature, 1991, 351, 603-604.	13.7	34
51	Assembly of the Truncated Immunoglobulin Heavy Chain DÎ¼ into Antigen Receptorâ€“Like Complexes in Pre-B Cells but Not in B Cells. Immunity, 1996, 4, 145-158.	6.6	34
52	Tyrosine phosphorylation and the mechanism of signal transduction by the B-lymphocyte antigen receptor. FEBS Journal, 1992, 210, 381-388.	0.2	31
53	Signaling pathways activated by protein tyrosine phosphorylation in lymphocytes. Current Opinion in Immunology, 1994, 6, 364-371.	2.4	28
54	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

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55	Germinal centers and autoimmune disease in humans and mice. Immunology and Cell Biology, 2016, 94, 918-924.	1.0	27
56	Tolerance: a second mechanism. Nature, 1989, 342, 340-341.	13.7	26
57	Maximal Adjuvant Activity of Nasally Delivered IL-1Î± Requires Adjuvant-Responsive CD11c+ Cells and Does Not Correlate with Adjuvant-Induced In Vivo Cytokine Production. Journal of Immunology, 2012, 188, 2834-2846.	0.4	23
58	Role of MyD88 signaling in the imiquimod-induced mouse model of psoriasis: focus on innate myeloid cells. Journal of Leukocyte Biology, 2017, 102, 791-803.	1.5	23
59	Antiviral memory CD8 T-cell differentiation, maintenance, and secondary expansion occur independently of MyD88. Blood, 2011, 117, 3123-3130.	0.6	21
60	Elevated BCR signaling and decreased survival of Lynâ€deficient transitional and follicular B cells. European Journal of Immunology, 2011, 41, 3645-3655.	1.6	19
61	LYN- and AIRE-mediated tolerance checkpoint defects synergize to trigger organ-specific autoimmunity. Journal of Clinical Investigation, 2016, 126, 3758-3771.	3.9	19
62	Normal Development and Activation but Altered Cytokine Production of Fyn-Deficient CD4+ T Cells. Journal of Immunology, 2008, 181, 5374-5385.	0.4	16
63	Lyn deficiency affects Bâ€cell maturation as well as survival. European Journal of Immunology, 2012, 42, 511-521.	1.6	14
64	APOBEC3 enzymes restrict marginal zone B cells. European Journal of Immunology, 2015, 45, 695-704.	1.6	12
65	Determinants of Divergent Adaptive Immune Responses after Airway Sensitization with Ligands of Toll-Like Receptor 5 or Toll-Like Receptor 9. PLoS ONE, 2016, 11, e0167693.	1.1	11
66	B-cell co-receptors: The two-headed antigen. Current Biology, 1996, 6, 548-550.	1.8	10
67	Cellâ€“cell interactions in the antibody response. Nature, 1988, 334, 199-200.	13.7	9
68	Regulation of anti-immunoglobulin-induced B lymphoma growth arrest by transforming growth factor Î²1 and dexamethasone. International Immunology, 1991, 3, 1091-1098.	1.8	9
69	Apoptosis induced by the antigen receptor and Fas in a variant of the immature B cell line WEHI-231 and in splenic immature B cells. International Immunology, 2001, 13, 581-592.	1.8	7
70	MyD88 Shapes Vaccine Immunity by Extrinsically Regulating Survival of CD4+ T Cells during the Contraction Phase. PLoS Pathogens, 2016, 12, e1005787.	2.1	7
71	bcl-2 to the rescue. Current Biology, 1992, 2, 95-97.	1.8	4
72	â€œDangerous Crystalsâ€• Immunity, 2008, 29, 670-671.	6.6	4

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73	Fate of self-reactive B cells. Nature, 1988, 334, 652-653.	13.7	3
74	Multilayer Control of B Cell Activation by the B Cell Antigen Receptor: Following Themes Initiated With Bill Paul. Frontiers in Immunology, 2018, 9, 739.	2.2	3
75	Unaltered negative selection and Treg development of selfâ€reactive thymocytes in TCR transgenic Fynâ€deficient mice. European Journal of Immunology, 2010, 40, 539-547.	1.6	2
76	Antigen Complexed with a TLR9 Agonist Bolsters c-Myc and mTORC1 Activity in Germinal Center B Lymphocytes. ImmunoHorizons, 2019, 3, 389-401.	0.8	2
77	Signaling the insulin receptor way. Current Biology, 1993, 3, 713-715.	1.8	1
78	Innate B cells cleave to the marginal zone. Nature Immunology, 2017, 18, 248-250.	7.0	0