

# Stephen C Bunnell

## List of Publications by Year in descending order

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45  
papers

4,656  
citations

257357

24  
h-index

254106

43  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4078  
citing authors

#	ARTICLE	IF	CITATIONS
1	T cell receptor ligation induces the formation of dynamically regulated signaling assemblies. <i>Journal of Cell Biology</i> , 2002, 158, 1263-1275.	2.3	573
2	Caspase-8 induces cleavage of gasdermin D to elicit pyroptosis during <i>Yersinia</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10888-E10897.	3.3	541
3	Dynamic Actin Polymerization Drives T Cell Receptor-Induced Spreading. <i>Immunity</i> , 2001, 14, 315-329.	6.6	401
4	Deficiency of PTEN in Jurkat T Cells Causes Constitutive Localization of Itk to the Plasma Membrane and Hyperresponsiveness to CD3 Stimulation. <i>Molecular and Cellular Biology</i> , 2000, 20, 6945-6957.	1.1	314
5	T Cell Receptor-initiated Calcium Release Is Uncoupled from Capacitative Calcium Entry in Itk-deficient T Cells. <i>Journal of Experimental Medicine</i> , 1998, 187, 1721-1727.	4.2	313
6	Dynamic molecular interactions linking the T cell antigen receptor to the actin cytoskeleton. <i>Nature Immunology</i> , 2005, 6, 80-89.	7.0	279
7	Regulatory intramolecular association in a tyrosine kinase of the Tec family. <i>Nature</i> , 1997, 385, 93-97.	13.7	261
8	Biochemical Interactions Integrating Itk with the T Cell Receptor-initiated Signaling Cascade. <i>Journal of Biological Chemistry</i> , 2000, 275, 2219-2230.	1.6	244
9	Identification of Itk/Tsk Src Homology 3 Domain Ligands. <i>Journal of Biological Chemistry</i> , 1996, 271, 25646-25656.	1.6	174
10	Lck Phosphorylates the Activation Loop Tyrosine of the Itk Kinase Domain and Activates Itk Kinase Activity. <i>Journal of Biological Chemistry</i> , 1997, 272, 25401-25408.	1.6	155
11	p56Lck and p59Fyn regulate CD28 binding to phosphatidylinositol 3-kinase, growth factor receptor-bound protein GRB-2, and T cell-specific protein-tyrosine kinase ITK: implications for T-cell costimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 8891-8895.	3.3	153
12	T Cell Costimulation via the Integrin VLA-4 Inhibits the Actin-Dependent Centralization of Signaling Microclusters Containing the Adaptor SLP-76. <i>Immunity</i> , 2008, 28, 810-821.	6.6	129
13	Persistence of Cooperatively Stabilized Signaling Clusters Drives T-Cell Activation. <i>Molecular and Cellular Biology</i> , 2006, 26, 7155-7166.	1.1	110
14	Role for the Abi/Wave Protein Complex in T Cell Receptor-Mediated Proliferation and Cytoskeletal Remodeling. <i>Current Biology</i> , 2006, 16, 35-46.	1.8	100
15	Age-Associated Decline in Effective Immune Synapse Formation of CD4+ T Cells Is Reversed by Vitamin E Supplementation. <i>Journal of Immunology</i> , 2007, 178, 1443-1449.	0.4	94
16	Signal initiation in T cell receptor microclusters. <i>Immunological Reviews</i> , 2008, 221, 90-106.	2.8	84
17	Stimulation of Microbialpara-Dechlorination of Polychlorinated Biphenyls That Have Persisted in Housatonic River Sediment for Decades. <i>Environmental Science &amp; Technology</i> , 1996, 30, 687-694.	4.6	82
18	T-Cell Antigen Receptor-Induced Signaling Complexes: Internalization Via a Cholesterol-Dependent Endocytic Pathway. <i>Traffic</i> , 2006, 7, 1143-1162.	1.3	74

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19	High-Resolution Multicolor Imaging of Dynamic Signaling Complexes in T Cells Stimulated by Planar Substrates. <i>Science Signaling</i> , 2003, 2003, pl8-pl8.	1.6	68
20	Roles of the Proline-rich Domain in SLP-76 Subcellular Localization and T Cell Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 15481-15490.	1.6	63
21	Interference Reflection Microscopy. <i>Current Protocols in Cell Biology</i> , 2009, 45, Unit 4.23.	2.3	41
22	Vitamin E Reverses Impaired Linker for Activation of T Cells Activation in T Cells from Aged C57BL/6 Mice. <i>Journal of Nutrition</i> , 2009, 139, 1192-1197.	1.3	35
23	Vav1-Mediated Scaffolding Interactions Stabilize SLP-76 Microclusters and Contribute to Antigen-Dependent T Cell Responses. <i>Science Signaling</i> , 2011, 4, ra14.	1.6	32
24	CD209a Expression on Dendritic Cells Is Critical for the Development of Pathogenic Th17 Cell Responses in Murine Schistosomiasis. <i>Journal of Immunology</i> , 2014, 192, 4655-4665.	0.4	32
25	The C-type Lectin Receptor-Driven, Th17 Cell-Mediated Severe Pathology in Schistosomiasis: Not All Immune Responses to Helminth Parasites Are Th2 Dominated. <i>Frontiers in Immunology</i> , 2019, 10, 26.	2.2	31
26	CD209a Synergizes with Dectin-2 and Mincle to Drive Severe Th17 Cell-Mediated Schistosome Egg-Induced Immunopathology. <i>Cell Reports</i> , 2018, 22, 1288-1300.	2.9	27
27	Age-Dependent Changes in the Sphingolipid Composition of Mouse CD4+ T Cell Membranes and Immune Synapses Implicate Glucosylceramides in Age-Related T Cell Dysfunction. <i>PLoS ONE</i> , 2012, 7, e47650.	1.1	26
28	Characterization of a novel interaction between transcription factor TFIIA and the inducible tyrosine kinase in T cells. <i>European Journal of Immunology</i> , 2009, 39, 2584-2595.	1.6	24
29	PTEN permits acute increases in D3-phosphoinositide levels following TCR stimulation but inhibits distal signaling events by reducing the basal activity of Akt. <i>European Journal of Immunology</i> , 2004, 34, 3165-3175.	1.6	23
30	Multiple Microclusters: Diverse Compartments Within the Immune Synapse. <i>Current Topics in Microbiology and Immunology</i> , 2010, 340, 123-154.	0.7	22
31	Gelsolin overexpression alters actin dynamics and tyrosine phosphorylation of lipid raft-associated proteins in Jurkat T cells. <i>Molecular Immunology</i> , 2007, 44, 2469-2480.	1.0	21
32	Activated PLC- $\beta$ 1 is catalytically induced at LAT but activated PLC- $\beta$ 1 is localized at both LAT- and TCR-containing complexes. <i>Cellular Signalling</i> , 2014, 26, 797-805.	1.7	21
33	The N terminus of SKAP55 enables T cell adhesion to TCR and integrin ligands via distinct mechanisms. <i>Journal of Cell Biology</i> , 2013, 203, 1021-1041.	2.3	20
34	ADAP is an upstream regulator that precedes SLP-76 at sites of TCR engagement and stabilizes signaling microclusters. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	18
35	SKAP2 is required for defense against <i>K. pneumoniae</i> infection and neutrophil respiratory burst. <i>ELife</i> , 2020, 9, .	2.8	18
36	Phagocytic Receptors Activate Syk and Src Signaling during <i>Borrelia burgdorferi</i> Phagocytosis. <i>Infection and Immunity</i> , 2017, 85, .	1.0	16

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37	Adaptor Protein-3 Mediated Trafficking of TLR2 Ligands Controls Specificity of Inflammatory Responses but Not Adaptor Complex Assembly. <i>Journal of Immunology</i> , 2015, 195, 4331-4340.	0.4	15
38	Neutrophils require SKAP2 for reactive oxygen species production following C-type lectin and <i>Candida</i> stimulation. <i>IScience</i> , 2021, 24, 102871.	1.9	7
39	Vav2 lacks Ca <sup>2+</sup> entry-promoting scaffolding functions unique to Vav1 and inhibits T cell activation via Cdc42. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	5
40	LFA-1 and kindlin-3 enable the collaborative transport of SLP-76 microclusters by myosin and dynein motors. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	3
41	Determining the Destiny of NF- $\kappa$ B after TCR Ligation: It's CARMA1. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2002, 2, 356-360.	3.4	3
42	p53 Keeps Bystanders at the Gates. <i>Immunity</i> , 2014, 40, 633-635.	6.6	2
43	A View to a Kill: How Ligand Quality Controls Lethal Hits. <i>Immunity</i> , 2009, 31, 531-533.	6.6	1
44	The Signal Transduction of Motion and Antigen Recognition: Factors Affecting T Cell Function and Differentiation. , 1998, 20, 63-110.		1
45	Age dependent changes in the sphingolipid composition of CD4 <sup>+</sup> T cell membranes and immune synapses. <i>FASEB Journal</i> , 2010, 24, 723.11.	0.2	0