Stephen C Bunnell

List of Publications by Year
in descending order

45 papers	4,656 citations	257450 24 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	4078 citing authors

#	Article	IF	Citations
1	Neutrophils require SKAP2 for reactive oxygen species production following C-type lectin and Candida stimulation. IScience, 2021, 24, 102871.	4.1	7
2	LFA-1 and kindlin-3 enable the collaborative transport of SLP-76 microclusters by myosin and dynein motors. Journal of Cell Science, 2021, 134, .	2.0	3
3	SKAP2 is required for defense against K. pneumoniae infection and neutrophil respiratory burst. ELife, 2020, 9, .	6.0	18
4	Vav2 lacks Ca2+ entry-promoting scaffolding functions unique to Vav1 and inhibits T cell activation via Cdc42. Journal of Cell Science, 2020, 133, .	2.0	5
5	The C-type Lectin Receptor-Driven, Th17 Cell-Mediated Severe Pathology in Schistosomiasis: Not All Immune Responses to Helminth Parasites Are Th2 Dominated. Frontiers in Immunology, 2019, 10, 26.	4.8	31
6	CD209a Synergizes with Dectin-2 and Mincle to Drive Severe Th17 Cell-Mediated Schistosome Egg-Induced Immunopathology. Cell Reports, 2018, 22, 1288-1300.	6.4	27
7	ADAP is an upstream regulator that precedes SLP-76 at sites of TCR engagement and stabilizes signaling microclusters. Journal of Cell Science, 2018, 131, .	2.0	18
8	Caspase-8 induces cleavage of gasdermin D to elicit pyroptosis during Yersinia infection. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10888-E10897.	7.1	541
9	Phagocytic Receptors Activate Syk and Src Signaling during Borrelia burgdorferi Phagocytosis. Infection and Immunity, 2017, 85, .	2.2	16
10	Adaptor Protein-3â€“Mediated Trafficking of TLR2 Ligands Controls Specificity of Inflammatory Responses but Not Adaptor Complex Assembly. Journal of Immunology, 2015, 195, 4331-4340.	0.8	15
11	CD209a Expression on Dendritic Cells Is Critical for the Development of Pathogenic Th17 Cell Responses in Murine Schistosomiasis. Journal of Immunology, 2014, 192, 4655-4665.	0.8	32
12	Activated PLC-Î³1 is catalytically induced at LAT but activated PLC-Î³1 is localized at both LAT- and TCR-containing complexes. Cellular Signalling, 2014, 26, 797-805.	3.6	21
13	p53 Keeps Bystanders at the Gates. Immunity, 2014, 40, 633-635.	14.3	2
14	The N terminus of SKAP55 enables T cell adhesion to TCR and integrin ligands via distinct mechanisms. Journal of Cell Biology, 2013, 203, 1021-1041.	5.2	20
15	Age-Dependent Changes in the Sphingolipid Composition of Mouse CD4+ T Cell Membranes and Immune Synapses Implicate Glucosylceramides in Age-Related T Cell Dysfunction. PLoS ONE, 2012, 7, e47650.	2.5	26
16	Vav1-Mediated Scaffolding Interactions Stabilize SLP-76 Microclusters and Contribute to Antigen-Dependent T Cell Responses. Science Signaling, 2011, 4, ra14.	3.6	32
17	Multiple Microclusters: Diverse Compartments Within the Immune Synapse. Current Topics in Microbiology and Immunology, 2010, 340, 123-154.	1.1	22
18	Ageâ€dependent changes in the sphingolipid composition of CD4+ T cell membranes and immune synapses. FASEB Journal, 2010, 24, 723.11.	0.5	0

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19	Interference Reflection Microscopy. Current Protocols in Cell Biology, 2009, 45, Unit 4.23.	2.3	41
20	Vitamin E Reverses Impaired Linker for Activation of T Cells Activation in T Cells from Aged C57BL/6 Mice. Journal of Nutrition, 2009, 139, 1192-1197.	2.9	35
21	Characterization of a novel interaction between transcription factor TFIIâ€‹ and the inducible tyrosine kinase in T cells. European Journal of Immunology, 2009, 39, 2584-2595.	2.9	24
22	A View to a Kill: How Ligand Quality Controls Lethal Hits. Immunity, 2009, 31, 531-533.	14.3	1
23	Signal initiation in Tâ€cell receptor microclusters. Immunological Reviews, 2008, 221, 90-106.	6.0	84
24	T Cell Costimulation via the Integrin VLA-4 Inhibits the Actin-Dependent Centralization of Signaling Microclusters Containing the Adaptor SLP-76. Immunity, 2008, 28, 810-821.	14.3	129
25	Age-Associated Decline in Effective Immune Synapse Formation of CD4+ T Cells Is Reversed by Vitamin E Supplementation. Journal of Immunology, 2007, 178, 1443-1449.	0.8	94
26	Gelsolin overexpression alters actin dynamics and tyrosine phosphorylation of lipid raft-associated proteins in Jurkat T cells. Molecular Immunology, 2007, 44, 2469-2480.	2.2	21
27	T-Cell Antigen Receptor-Induced Signaling Complexes: Internalization Via a Cholesterol-Dependent Endocytic Pathway. Traffic, 2006, 7, 1143-1162.	2.7	74
28	Role for the Abi/Wave Protein Complex in T Cell Receptor-Mediated Proliferation and Cytoskeletal Remodeling. Current Biology, 2006, 16, 35-46.	3.9	100
29	Persistence of Cooperatively Stabilized Signaling Clusters Drives T-Cell Activation. Molecular and Cellular Biology, 2006, 26, 7155-7166.	2.3	110
30	Dynamic molecular interactions linking the T cell antigen receptor to the actin cytoskeleton. Nature Immunology, 2005, 6, 80-89.	14.5	279
31	Roles of the Proline-rich Domain in SLP-76 Subcellular Localization and T Cell Function. Journal of Biological Chemistry, 2004, 279, 15481-15490.	3.4	63
32	PTEN permits acute increases in D3-phosphoinositide levels following TCR stimulation but inhibits distal signaling events by reducing the basal activity of Akt. European Journal of Immunology, 2004, 34, 3165-3175.	2.9	23
33	High-Resolution Multicolor Imaging of Dynamic Signaling Complexes in T Cells Stimulated by Planar Substrates. Science Signaling, 2003, 2003, pl8-pl8.	3.6	68
34	T cell receptor ligation induces the formation of dynamically regulated signaling assemblies. Journal of Cell Biology, 2002, 158, 1263-1275.	5.2	573
35	Determining the Destiny of NF-Â B after TCR Ligation: It's CARMA1. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 356-360.	3.4	3
36	Dynamic Actin Polymerization Drives T Cell Receptorâ€“Induced Spreading. Immunity, 2001, 14, 315-329.	14.3	401

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37	Biochemical Interactions Integrating Itk with the T Cell Receptor-initiated Signaling Cascade. Journal of Biological Chemistry, 2000, 275, 2219-2230.	3.4	244
38	Deficiency of PTEN in Jurkat T Cells Causes Constitutive Localization of Itk to the Plasma Membrane and Hyperresponsiveness to CD3 Stimulation. Molecular and Cellular Biology, 2000, 20, 6945-6957.	2.3	314
39	T Cell Receptorâ€“initiated Calcium Release Is Uncoupled from Capacitative Calcium Entry in Itk-deficient T Cells. Journal of Experimental Medicine, 1998, 187, 1721-1727.	8.5	313
40	The Signal Transduction of Motion and Antigen Recognition: Factors Affecting T Cell Function and Differentiation. , 1998, 20, 63-110.		1
41	Lck Phosphorylates the Activation Loop Tyrosine of the Itk Kinase Domain and Activates Itk Kinase Activity. Journal of Biological Chemistry, 1997, 272, 25401-25408.	3.4	155
42	Regulatory intramolecular association in a tyrosine kinase of the Tec family. Nature, 1997, 385, 93-97.	27.8	261
43	Stimulation of Microbialpara-Dechlorination of Polychlorinated Biphenyls That Have Persisted in Housatonic River Sediment for Decades. Environmental Science & Technology, 1996, 30, 687-694.	10.0	82
44	Identification of Itk/Tsk Src Homology 3 Domain Ligands. Journal of Biological Chemistry, 1996, 271, 25646-25656.	3.4	174
45	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.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8891-8895.	7.1	153