Christoph WÃ¼lfing

List of Publications by Year
in descending order

52 papers	2,778 citations	236925 25 h-index	206112 48 g-index
59 all docs	59 docs citations	59 times ranked	3332 citing authors

#	Article	IF	Citations
1	Polycomb Group Protein Ezh2 Controls Actin Polymerization and Cell Signaling. Cell, 2005, 121, 425-436.	28.9	345
2	Costimulation and endogenous MHC ligands contribute to T cell recognition. Nature Immunology, 2002, 3, 42-47.	14.5	285
3	Protein folding in the periplasm of Escherichia coli. Molecular Microbiology, 1994, 12, 685-692.	2.5	177
4	Kinetics and Extent of T Cell Activation as Measured with the Calcium Signal. Journal of Experimental Medicine, 1997, 185, 1815-1825.	8.5	161
5	Altered T Cell Receptor Ligands Trigger a Subset of Early T Cell Signals. Immunity, 1996, 5, 125-135.	14.3	155
6	Stepwise cytoskeletal polarization as a series of checkpoints in innate but not adaptive cytolytic killing. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7767-7772.	7.1	104
7	Differential Segregation in a Cell-Cell Contact Interface: The Dynamics of the Immunological Synapse. Biophysical Journal, 2002, 83, 1784-1796.	0.5	101
8	The lymphoid lineageâ€“specific actin-uncapping protein Rltpr is essential for costimulation via CD28 and the development of regulatory T cells. Nature Immunology, 2013, 14, 858-866.	14.5	100
9	Regulation of Sustained Actin Dynamics by the TCR and Costimulation as a Mechanism of Receptor Localization. Journal of Immunology, 2003, 171, 2287-2295.	0.8	91
10	Spatiotemporal Patterning During T Cell Activation Is Highly Diverse. Science Signaling, 2009, 2, ra15.	3.6	88
11	T cell receptor (TCR) clustering in the immunological synapse integrates TCR and costimulatory signaling in selected T cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2904-2909.	7.1	87
12	Determination of the Relationship Between T Cell Responsiveness and the Number of MHC-Peptide Complexes Using Specific Monoclonal Antibodies. Journal of Immunology, 2000, 164, 5626-5634.	0.8	84
13	Correctly Folded T-cell Receptor Fragments in the Periplasm of Escherichia coli. Journal of Molecular Biology, 1994, 242, 655-669.	4.2	83
14	Requirement of homotypic NK-cell interactions through 2B4(CD244)/CD48 in the generation of NK effector functions. Blood, 2006, 107, 3181-3188.	1.4	78
15	The Cytoplasmic Tail of the T Cell Receptor CD3 Îµ Subunit Contains a Phospholipid-Binding Motif that Regulates T Cell Functions. Journal of Immunology, 2009, 183, 1055-1064.	0.8	73
16	The CD3 Î¶ Subunit Contains a Phosphoinositide-Binding Motif That Is Required for the Stable Accumulation of TCRâ€“CD3 Complex at the Immunological Synapse. Journal of Immunology, 2011, 186, 6839-6847.	0.8	73
17	GRB2-Mediated Recruitment of THEMIS to LAT Is Essential for Thymocyte Development. Journal of Immunology, 2013, 190, 3749-3756.	0.8	71
18	Specific Patterns of Cdc42 Activity Are Related to Distinct Elements of T Cell Polarization. Journal of Immunology, 2006, 177, 1708-1720.	0.8	52

#	Article	IF	Citations
19	Itk Controls the Spatiotemporal Organization of T Cell Activation. Science Signaling, 2011, 4, ra66.	3.6	48
20	The Murine NK Receptor 2B4 (CD244) Exhibits Inhibitory Function Independent of Signaling Lymphocytic Activation Molecule-Associated Protein Expression. Journal of Immunology, 2004, 173, 3953-3961.	0.8	46
21	Inhibition of diacylglycerol kinase Î± restores restimulation-induced cell death and reduces immunopathology in XLP-1. Science Translational Medicine, 2016, 8, 321ra7.	12.4	41
22	A Large T Cell Invagination with CD2 Enrichment Resets Receptor Engagement in the Immunological Synapse. Journal of Immunology, 2006, 177, 4402-4413.	0.8	34
23	Phosphatidylinositol (4,5) Bisphosphate Controls T Cell Activation by Regulating T Cell Rigidity and Organization. PLoS ONE, 2011, 6, e27227.	2.5	31
24	The CD3 Î³Îµ/Î´Îµ signaling module provides normal Tâ€„cell functions in the absence of the TCRâ€„Î¶ immunoreceptor tyrosine-based activation motifs. European Journal of Immunology, 2005, 35, 3643-3654.	2.9	29
25	Transience in polarization of cytolytic effectors is required for efficient killing and controlled by Cdc42. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11912-11917.	7.1	27
26	The actinâ€driven spatiotemporal organization of Tâ€cell signaling at the system scale. Immunological Reviews, 2013, 256, 133-147.	6.0	27
27	Mechanism and function of Vav1 localization in TCR signaling. Journal of Cell Science, 2012, 125, 5302-14.	2.0	26
28	Thirtyâ€“six views of Tâ€“cell recognition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1071-1076.	4.0	25
29	Interface accumulation of receptor/ligand couples in lymphocyte activation: methods, mechanisms, and significance. Immunological Reviews, 2002, 189, 64-83.	6.0	25
30	Computational spatiotemporal analysis identifies WAVE2 and cofilin as joint regulators of costimulation-mediated T cell actin dynamics. Science Signaling, 2016, 9, rs3.	3.6	24
31	New inhibitory signaling by CTLA-4. Nature Immunology, 2014, 15, 408-409.	14.5	20
32	Inhibiting the Inhibitor of the Inhibitor: Blocking PKC-Î¸ to Enhance Regulatory T Cell Function. Science Signaling, 2010, 3, pe24.	3.6	19
33	Early Signaling in Primary T Cells Activated by Antigen Presenting Cells Is Associated with a Deep and Transient Lamellal Actin Network. PLoS ONE, 2015, 10, e0133299.	2.5	19
34	A versatile and highly repressible Escherichia coli expression system based on invertible promoters: expression of a gene encoding a toxic product. Gene, 1993, 136, 199-203.	2.2	18
35	T/Bâ€cell interactions are more transient in response to weak stimuli in SLEâ€prone mice. European Journal of Immunology, 2014, 44, 3522-3531.	2.9	18
36	PKCÎ¸ links proximal T cell and Notch signaling through localized regulation of the actin cytoskeleton. ELife, 2017, 6, .	6.0	18

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37	PD-1 suppresses the maintenance of cell couples between cytotoxic T cells and target tumor cells within the tumor. Science Signaling, 2020, 13, .	3.6	15
38	Neuropilin-1: another neuronal molecule in the â€œimmunological synapseâ€• Nature Immunology, 2002, 3, 418-419.	14.5	9
39	Protein transduction as a means of effective manipulation of Cdc42 activity in primary T cells. Journal of Immunological Methods, 2007, 319, 64-78.	1.4	9
40	Systems Imaging of the Immune Synapse. Methods in Molecular Biology, 2017, 1584, 409-421.	0.9	9
41	Modest Interference with Actin Dynamics in Primary T Cell Activation by Antigen Presenting Cells Preferentially Affects Lamellal Signaling. PLoS ONE, 2015, 10, e0133231.	2.5	8
42	Transient protein accumulation at the center of the T cell antigen-presenting cell interface drives efficient IL-2 secretion. ELife, 2019, 8, .	6.0	7
43	Visualizing lymphocyte recognition. Immunology and Cell Biology, 1999, 77, 186-187.	2.3	6
44	Adenosine 2A receptor and TIM3 suppress cytolytic killing of tumor cells via cytoskeletal polarization. Communications Biology, 2022, 5, 9.	4.4	4
45	Tentative and transient natural killer cell polarization balances the requirements for discriminatory recognition and cytolytic efficacy. Communicative and Integrative Biology, 2010, 3, 545-548.	1.4	3
46	New TACTICS for finding Numb. Immunology and Cell Biology, 2013, 91, 1-2.	2.3	2
47	Image-based spatiotemporal causality inference for protein signaling networks. Bioinformatics, 2017, 33, i217-i224.	4.1	1
48	Super-resolution Imaging of the T cell Central Supramolecular Signaling Cluster Using Stimulated Emission Depletion Microscopy. Bio-protocol, 2020, 10, e3806.	0.4	1
49	A LAT-Based Signaling Complex in the Immunological Synapse as Determined with Live Cell Imaging Is Less Stable in T Cells with Regulatory Capability. Cells, 2021, 10, 418.	4.1	0
50	Cdc42/Rac function in NK cells and CTLs is variable and governed by spatiotemporal patterning of Cdc42/Rac. FASEB Journal, 2008, 22, 1064.15.	0.5	0
51	Itk regulates T cell signaling through localization of active Cdc42. FASEB Journal, 2008, 22, 1064.18.	0.5	0
52	Cellular Structures Controlling T Cell Signaling in Time and Space. , 2022, , .		0