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List of Publications by Year in descending order

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76
papers

3,659
citations

147801

31
h-index

144013

57
g-index

80
all docs

80
docs citations

80
times ranked

4088
citing authors

#	ARTICLE	IF	CITATIONS
1	Recruitment of Nck by CD3 ζ Reveals a Ligand-Induced Conformational Change Essential for T Cell Receptor Signaling and Synapse Formation. <i>Cell</i> , 2002, 109, 901-912.	28.9	411
2	Coexistence of multivalent and monovalent TCRs explains high sensitivity and wide range of response. <i>Journal of Experimental Medicine</i> , 2005, 202, 493-503.	8.5	288
3	Full Activation of the T Cell Receptor Requires Both Clustering and Conformational Changes at CD3. <i>Immunity</i> , 2007, 26, 43-54.	14.3	229
4	A Cholesterol-Based Allosteric Model of T Cell Receptor Phosphorylation. <i>Immunity</i> , 2016, 44, 1091-1101.	14.3	183
5	Increased Sensitivity of Antigen-Experienced T Cells through the Enrichment of Oligomeric T Cell Receptor Complexes. <i>Immunity</i> , 2011, 35, 375-387.	14.3	153
6	Inhibition of T cell receptor signaling by cholesterol sulfate, a naturally occurring derivative of membrane cholesterol. <i>Nature Immunology</i> , 2016, 17, 844-850.	14.5	152
7	Cholesterol and Sphingomyelin Drive Ligand-independent T-cell Antigen Receptor Nanoclustering. <i>Journal of Biological Chemistry</i> , 2012, 287, 42664-42674.	3.4	145
8	Initiation of TCR signaling: regulation within CD3 dimers. <i>Immunological Reviews</i> , 2003, 191, 38-46.	6.0	126
9	Synthetic TRuC receptors engaging the complete T cell receptor for potent anti-tumor response. <i>Nature Communications</i> , 2019, 10, 2087.	12.8	117
10	Red Light-Regulated Reversible Nuclear Localization of Proteins in Mammalian Cells and Zebrafish. <i>ACS Synthetic Biology</i> , 2015, 4, 951-958.	3.8	105
11	A high-molecular-weight complex of membrane proteins BAP29/BAP31 is involved in the retention of membrane-bound IgD in the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9861-9866.	7.1	88
12	Optogenetic control shows that kinetic proofreading regulates the activity of the T cell receptor. <i>ELife</i> , 2019, 8, .	6.0	82
13	Organization of the resting TCR in nanoscale oligomers. <i>Immunological Reviews</i> , 2013, 251, 13-20.	6.0	76
14	T cell antigen receptor stoichiometry: pre-clustering for sensitivity. <i>EMBO Reports</i> , 2006, 7, 490-495.	4.5	73
15	Noncanonical binding of Lck to CD3 ζ promotes TCR signaling and CAR function. <i>Nature Immunology</i> , 2020, 21, 902-913.	14.5	68
16	A common single nucleotide polymorphism impairs B-cell activating factor receptor's multimerization, contributing to common variable immunodeficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1222-1225.e10.	2.9	60
17	Conformational changes in the T cell receptor differentially determine T cell subset development in mice. <i>Science Signaling</i> , 2014, 7, ra115.	3.6	59
18	Selected signalling proteins recruited to the T cell receptor-CD3 complex. <i>Immunology</i> , 2018, 153, 42-50.	4.4	58

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19	Early onset combined immunodeficiency and autoimmunity in patients with loss-of-function mutation in <i>LAT</i> . <i>Journal of Experimental Medicine</i> , 2016, 213, 1185-1199.	8.5	57
20	Different composition of the human and the mouse β T cell receptor explains different phenotypes of CD3 β and CD3 γ immunodeficiencies. <i>Journal of Experimental Medicine</i> , 2007, 204, 2537-2544.	8.5	56
21	Key Role of the Scavenger Receptor MARCO in Mediating Adenovirus Infection and Subsequent Innate Responses of Macrophages. <i>MBio</i> , 2017, 8, .	4.1	55
22	β and β T cell receptors: Similar but different. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1045-1055.	3.3	53
23	The TCR is an allosterically regulated macromolecular machinery changing its conformation while working. <i>Immunological Reviews</i> , 2019, 291, 8-25.	6.0	50
24	The ubiquitin-specific protease USP8 is critical for the development and homeostasis of T cells. <i>Nature Immunology</i> , 2015, 16, 950-960.	14.5	49
25	A permissive geometry model for TCR-CD3 activation. <i>Trends in Biochemical Sciences</i> , 2008, 33, 51-57.	7.5	48
26	The CD3 Conformational Change in the β T Cell Receptor Is Not Triggered by Antigens but Can Be Enforced to Enhance Tumor Killing. <i>Cell Reports</i> , 2014, 7, 1704-1715.	6.4	47
27	Dual-controlled optogenetic system for the rapid down-regulation of protein levels in mammalian cells. <i>Scientific Reports</i> , 2018, 8, 15024.	3.3	46
28	Relevance of Nck-CD3 μ Interaction for T Cell Activation In Vivo. <i>Journal of Immunology</i> , 2014, 192, 2042-2053.	0.8	45
29	The Allosteric Model of TCR Regulation. <i>Journal of Immunology</i> , 2017, 198, 47-52.	0.8	42
30	SYK expression endows human ZAP70-deficient CD8 T cells with residual TCR signaling. <i>Clinical Immunology</i> , 2015, 161, 103-109.	3.2	38
31	Nanoclusters of the resting T cell antigen receptor (TCR) localize to non-raft domains. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 802-809.	4.1	36
32	Nck Recruitment to the TCR Required for ZAP70 Activation during Thymic Development. <i>Journal of Immunology</i> , 2013, 190, 1103-1112.	0.8	35
33	A native antibody-based mobility-shift technique (NAMOS-assay) to determine the stoichiometry of multiprotein complexes. <i>Journal of Immunological Methods</i> , 2007, 324, 74-83.	1.4	31
34	Non-overlapping functions of Nck1 and Nck2 adaptor proteins in T cell activation. <i>Cell Communication and Signaling</i> , 2014, 12, 21.	6.5	31
35	T Cell Receptor Engagement Triggers Its CD3 μ and CD3 γ Subunits to Adopt a Compact, Locked Conformation. <i>PLoS ONE</i> , 2008, 3, e1747.	2.5	30
36	Optogenetic control of integrin-matrix interaction. <i>Communications Biology</i> , 2019, 2, 15.	4.4	30

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37	Activation loop phosphorylation regulates Bâ€Raf <i>inÂvivo</i> and transformation by <scp>Bâ€Raf</scp> mutants. EMBO Journal, 2016, 35, 143-161.	7.8	29
38	Preâ€clustered TCR complexes. FEBS Letters, 2010, 584, 4832-4837.	2.8	21
39	Nck Binds to the T Cell Antigen Receptor Using Its SH3.1 and SH2 Domains in a Cooperative Manner, Promoting TCR Functioning. Journal of Immunology, 2016, 196, 448-458.	0.8	20
40	Split intein-mediated selection of cells containing two plasmids using a single antibiotic. Nature Communications, 2019, 10, 4967.	12.8	20
41	Anti-CD3 Fab Fragments Enhance Tumor Killing by Human Î³Î± T Cells Independent of Nck Recruitment to the Î³Î± T Cell Antigen Receptor. Frontiers in Immunology, 2018, 9, 1579.	4.8	19
42	Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation. Journal of Experimental Medicine, 2015, 212, 1693-1708.	8.5	18
43	Boswellia carteri extract and 3-O-acetyl-alpha-boswellic acid suppress T cell function. FÃ-toterapÃ-Ãç, 2020, 146, 104694.	2.2	17
44	Spatiotemporally confined red light-controlled gene delivery at single-cell resolution using adeno-associated viral vectors. Science Advances, 2021, 7, .	10.3	17
45	<scp>CCR</scp> 5 deficiency impairs <scp>CD</scp> 4 ⁺ Tâ€cell memory responses and antigenic sensitivity through increased ceramide synthesis. EMBO Journal, 2020, 39, e104749.	7.8	17
46	Direct Regulation of the T Cell Antigen Receptor's Activity by Cholesterol. Frontiers in Cell and Developmental Biology, 2020, 8, 615996.	3.7	15
47	Differences in pairing and cluster formation of T cell receptor Î±- and Î²-chains in T cell clones and fusion hybridomas. Immunobiology, 2005, 210, 685-694.	1.9	14
48	The short length of the extracellular domain of Î± is crucial for T cell antigen receptor function. Immunology Letters, 2008, 116, 195-202.	2.5	14
49	Detection of phosphorylated T and B cell antigen receptor species by Phos-tag SDS- and Blue Native-PAGE. Immunology Letters, 2010, 130, 51-56.	2.5	14
50	Clustering Models. Advances in Experimental Medicine and Biology, 2008, 640, 64-73.	1.6	14
51	The extracellular part of Î± is buried in the T cell antigen receptor complex. Immunology Letters, 2008, 116, 203-210.	2.5	12
52	Analysis of novel phospho-ITAM specific antibodies in a S2 reconstitution system for TCRâ€CD3 signalling. Immunology Letters, 2010, 130, 43-50.	2.5	12
53	Tyrosine 192 within the SH2 domain of the Src-protein tyrosine kinase p56Lck regulates T-cell activation independently of Lck/CD45 interactions. Cell Communication and Signaling, 2020, 18, 183.	6.5	12
54	Light-Controlled Affinity Purification of Protein Complexes Exemplified by the Resting ZAP70 Interactome. Frontiers in Immunology, 2019, 10, 226.	4.8	11

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55	Wiskott-Aldrich Syndrome Protein: Roles in Signal Transduction in T Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 674572.	3.7	11
56	Quantitative Analysis of Protein Phosphorylations and Interactions by Multi-Colour IP-FCM as an Input for Kinetic Modelling of Signalling Networks. <i>PLoS ONE</i> , 2011, 6, e22928.	2.5	10
57	Production, Purification and Characterization of Recombinant Biotinylated Phytochrome B for Extracellular Optogenetics. <i>Bio-protocol</i> , 2020, 10, e3541.	0.4	10
58	Implications of T cell receptor biology on the development of new T cell therapies for cancer. <i>Immunotherapy</i> , 2020, 12, 89-103.	2.0	9
59	Permissive Geometry Model. <i>Advances in Experimental Medicine and Biology</i> , 2008, 640, 113-120.	1.6	9
60	Synthetic immune signaling. <i>Current Opinion in Biotechnology</i> , 2012, 23, 780-784.	6.6	8
61	Optogenetic Tuning of Ligand Binding to The Human T cell Receptor Using The opto-ligand-TCR System. <i>Bio-protocol</i> , 2020, 10, e3540.	0.4	8
62	The TCR binding site does move. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16398-16399.	7.1	6
63	Actin polymerization regulates recruitment of Nck to CD3 upon T cell receptor triggering. <i>Immunology</i> , 2020, 159, 298-308.	4.4	6
64	Cross-TCR Antagonism Revealed by Optogenetically Tuning the Half-Life of the TCR Ligand Binding. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4920.	4.1	5
65	Cholesterol Binds in a Reversed Orientation to TCR ^β -TM in Which Its OH Group is Localized to the Center of the Lipid Bilayer. <i>Journal of Molecular Biology</i> , 2021, 433, 167328.	4.2	5
66	A set point in the selection of the TCR T cell repertoire imposed by pre-TCR signaling strength. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	5
67	Cooperative Interaction of Nck and Lck Orchestrates Optimal TCR Signaling. <i>Cells</i> , 2021, 10, 834.	4.1	4
68	Visualization of TCR Nanoclusters via Immunogold Labeling, Freeze-Etching, and Surface Replication. <i>Methods in Cell Biology</i> , 2013, 117, 391-410.	1.1	3
69	Preface to special issue on nanoscale membrane organisations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 765-766.	4.1	2
70	Biomaterials: Phytochrome-Based Extracellular Matrix with Reversibly Tunable Mechanical Properties (<i>Adv. Mater.</i> 12/2019). <i>Advanced Materials</i> , 2019, 31, 1970083.	21.0	1
71	Editorial: Cytoskeletal Regulation of Immune Response. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 791327.	3.7	1
72	Response to Comment on "A Novel Thymoma-Associated Immunodeficiency with Increased Naive T Cells and Reduced CD247 Expression" <i>Journal of Immunology</i> , 2015, 195, 3505.2-3506.	0.8	0

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73	CD3., 2016,, 1-9.		0
74	CD3î¶., 2016,, 1-10.		0
75	CD3î¶., 2018,, 877-886.		0
76	CD3., 2018,, 860-868.		0