

Claire Hivroz

List of Publications by Year in descending order

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69
papers

5,370
citations

134610

34
h-index

107981

68
g-index

76
all docs

76
docs citations

76
times ranked

8864
citing authors

#	ARTICLE	IF	CITATIONS
1	HLA-independent T cell receptors for targeting tumors with low antigen density. <i>Nature Medicine</i> , 2022, 28, 345-352.	15.2	73
2	LAG3 disrupts the TCR signal by local acidification. <i>Nature Immunology</i> , 2022, 23, 649-651.	7.0	3
3	Retrograde and Anterograde Transport of Lat-Vesicles during the Immunological Synapse Formation: Defining the Finely-Tuned Mechanism. <i>Cells</i> , 2021, 10, 359.	1.8	4
4	Influence of external forces on actin-dependent T cell protrusions during immune synapse formation. <i>Biology of the Cell</i> , 2021, 113, 250-263.	0.7	7
5	Rapid viscoelastic changes are a hallmark of early leukocyte activation. <i>Biophysical Journal</i> , 2021, 120, 1692-1704.	0.2	17
6	<i>JEM</i> career launchpad. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	0
7	Amoeboid Swimming Is Propelled by Molecular Paddling in Lymphocytes. <i>Biophysical Journal</i> , 2020, 119, 1157-1177.	0.2	26
8	Dynamic palmitoylation events following T-cell receptor signaling. <i>Communications Biology</i> , 2020, 3, 368.	2.0	19
9	IRAP-dependent endosomal T cell receptor signalling is essential for T cell responses. <i>Nature Communications</i> , 2020, 11, 2779.	5.8	27
10	Mechanobiology of antigen-induced T cell arrest. <i>Biology of the Cell</i> , 2020, 112, 196-212.	0.7	6
11	Is there a place and role for endocytic TCR signaling?. <i>Immunological Reviews</i> , 2019, 291, 57-74.	2.8	13
12	Tethering of vesicles to the Golgi by GMAP210 controls LAT delivery to the immune synapse. <i>Nature Communications</i> , 2019, 10, 2864.	5.8	23
13	Critical role for TRIM28 and HP1 in the epigenetic control of T cell metabolic reprogramming and effector differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25839-25849.	3.3	23
14	Rab6-dependent retrograde traffic of LAT controls immune synapse formation and T cell activation. <i>Journal of Experimental Medicine</i> , 2018, 215, 1245-1265.	4.2	42
15	Purification of LAT-Containing Membranes from Resting and Activated T Lymphocytes. <i>Methods in Molecular Biology</i> , 2017, 1584, 355-368.	0.4	8
16	Micropipette force probe to quantify single-cell force generation: application to T-cell activation. <i>Molecular Biology of the Cell</i> , 2017, 28, 3229-3239.	0.9	43
17	Different TCR-induced T lymphocyte responses are potentiated by stiffness with variable sensitivity. <i>ELife</i> , 2017, 6, .	2.8	150
18	Biophysical Aspects of T Lymphocyte Activation at the Immune Synapse. <i>Frontiers in Immunology</i> , 2016, 7, 46.	2.2	42

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19	X-linked primary immunodeficiency associated with hemizygous mutations in the moesin (MSN) gene. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1681-1689.e8.	1.5	60
20	T-lymphocyte passive deformation is controlled by unfolding of membrane surface reservoirs. <i>Molecular Biology of the Cell</i> , 2016, 27, 3574-3582.	0.9	34
21	Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. <i>Cell</i> , 2016, 165, 100-110.	13.5	329
22	IFT20 controls LAT recruitment to the immune synapse and T-cell activation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 386-391.	3.3	49
23	PD-1 mediates functional exhaustion of activated NK cells in patients with Kaposi sarcoma. <i>Oncotarget</i> , 2016, 7, 72961-72977.	0.8	258
24	Human Primary Immune Cells Exhibit Distinct Mechanical Properties that Are Modified by Inflammation. <i>Biophysical Journal</i> , 2015, 108, 2181-2190.	0.2	140
25	Upholding the T cell immune-regulatory function of CD31 inhibits the formation of T/B immunological synapses in vitro and attenuates the development of experimental autoimmune arthritis in vivo. <i>Journal of Autoimmunity</i> , 2015, 56, 23-33.	3.0	20
26	Mechanical Characterization of Human Monocyte Derived Antigen Presenting Cells. <i>Biophysical Journal</i> , 2014, 106, 176a.	0.2	0
27	VAMP7 controls T cell activation by regulating the recruitment and phosphorylation of vesicular Lat at TCR-activation sites. <i>Nature Immunology</i> , 2013, 14, 723-731.	7.0	118
28	MAIT Cells Detect and Efficiently Lyse Bacterially-Infected Epithelial Cells. <i>PLoS Pathogens</i> , 2013, 9, e1003681.	2.1	338
29	Cytokine Secretion by CD4+ T Cells at the Immunological Synapse Requires Cdc42-Dependent Local Actin Remodeling but Not Microtubule Organizing Center Polarity. <i>Journal of Immunology</i> , 2012, 189, 2159-2168.	0.4	92
30	Crosstalk between T Lymphocytes and Dendritic Cells. <i>Critical Reviews in Immunology</i> , 2012, 32, 139-155.	1.0	83
31	Biomimetic Droplets for Artificial Engagement of Living Cell Surface Receptors: The Specific Case of the T-Cell. <i>Langmuir</i> , 2012, 28, 6106-6113.	1.6	16
32	Primary T-cell immunodeficiency with immunodysregulation caused by autosomal recessive LCK deficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 1144-1152.e11.	1.5	96
33	Model Liquid Droplets to Explore T-Cell Surface Dynamics upon Activation. <i>Biophysical Journal</i> , 2012, 102, 664a.	0.2	0
34	Force Generation upon T Cell Receptor Engagement. <i>PLoS ONE</i> , 2011, 6, e19680.	1.1	176
35	ZAP70: a master regulator of adaptive immunity. <i>Seminars in Immunopathology</i> , 2010, 32, 107-116.	2.8	64
36	HIV-1 Nef Inhibits Ruffles, Induces Filopodia, and Modulates Migration of Infected Lymphocytes. <i>Journal of Virology</i> , 2010, 84, 2282-2293.	1.5	77

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37	T Cell Polarity at the Immunological Synapse Is Required for CD154-Dependent IL-12 Secretion by Dendritic Cells. <i>Journal of Immunology</i> , 2010, 185, 6809-6818.	0.4	26
38	<i>STIM1</i> Mutation Associated with a Syndrome of Immunodeficiency and Autoimmunity. <i>New England Journal of Medicine</i> , 2009, 360, 1971-1980.	13.9	459
39	Hypomorphic mutation of <i>ZAP70</i> in human results in a late onset immunodeficiency and no autoimmunity. <i>European Journal of Immunology</i> , 2009, 39, 1966-1976.	1.6	88
40	Early T cell activation biophysics. <i>HFSP Journal</i> , 2009, 3, 401-411.	2.5	2
41	<i>Orai1</i> deficiency and lack of store-operated Ca ²⁺ entry cause immunodeficiency, myopathy, and ectodermal dysplasia. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 1311-1318.e7.	1.5	289
42	Mechanical Forces in T Cell Triggering. <i>Biophysical Journal</i> , 2009, 96, 368a.	0.2	1
43	T-Cell Artificial Focal Triggering Tools: Linking Surface Interactions with Cell Response. <i>PLoS ONE</i> , 2009, 4, e4784.	1.1	10
44	Restoring the Association of the T Cell Receptor with CD8 Reverses Anergy in Human Tumor-Infiltrating Lymphocytes. <i>Immunity</i> , 2008, 28, 414-424.	6.6	177
45	Cognate CD4+ T-cell-dendritic cell interactions induce migration of immature dendritic cells through dissolution of their podosomes. <i>Blood</i> , 2008, 111, 3579-3590.	0.6	23
46	ZAP-70 kinase regulates HIV cell-to-cell spread and virological synapse formation. <i>EMBO Journal</i> , 2007, 26, 516-526.	3.5	110
47	Dendritic Cells Can Turn CD4+ T Lymphocytes into Vascular Endothelial Growth Factor-Carrying Cells by Intercellular Neuropilin-1 Transfer. <i>Journal of Immunology</i> , 2006, 177, 1460-1469.	0.4	66
48	Functional Implication of Cellular Prion Protein in Antigen-Driven Interactions between T Cells and Dendritic Cells. <i>Journal of Immunology</i> , 2006, 176, 7254-7262.	0.4	67
49	T Cell-Dependent Activation of Dendritic Cells Requires IL-12 and IFN- γ Signaling in T Cells. <i>Journal of Immunology</i> , 2006, 177, 3625-3634.	0.4	35
50	Inherited and Somatic <i>CD3ζ</i> Mutations in a Patient with T-Cell Deficiency. <i>New England Journal of Medicine</i> , 2006, 354, 1913-1921.	13.9	111
51	Strong and Durable TCR Clustering at the T/Dendritic Cell Immune Synapse Is Not Required for NFAT Activation and IFN- γ Production in Human CD4+ T Cells. <i>Journal of Immunology</i> , 2004, 173, 3062-3072.	0.4	20
52	Dendritic Cell Maturation Controls Adhesion, Synapse Formation, and the Duration of the Interactions with Naive T Lymphocytes. <i>Journal of Immunology</i> , 2004, 172, 292-301.	0.4	130
53	Dynamic recruitment of the adaptor protein LAT: LAT exists in two distinct intracellular pools and controls its own recruitment. <i>Journal of Cell Science</i> , 2004, 117, 1009-1016.	1.2	114
54	TCR Activation of Human T Cells Induces the Production of Exosomes Bearing the TCR/CD3 ζ Complex. <i>Journal of Immunology</i> , 2002, 168, 3235-3241.	0.4	604

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55	TCR/CD3 Down-Modulation and $\hat{\Gamma}$ Degradation Are Regulated by ZAP-70. <i>Journal of Immunology</i> , 2002, 169, 1705-1712.	0.4	27
56	In the Immune Synapse, ZAP-70 Controls T Cell Polarization and Recruitment of Signaling Proteins but Not Formation of the Synaptic Pattern. <i>Immunity</i> , 2002, 17, 389-399.	6.6	136
57	The immunological synapse: the more you look the less you know. <i>Biology of the Cell</i> , 2002, 94, 345-354.	0.7	15
58	Herpesvirus saimiri Replaces ZAP-70 for CD3- and CD2-mediated T Cell Activation. <i>Journal of Biological Chemistry</i> , 2001, 276, 36902-36908.	1.6	12
59	Differential Requirement of ZAP-70 for CD2-Mediated Activation Pathways of Mature Human T Cells. <i>Journal of Immunology</i> , 2000, 165, 3578-3583.	0.4	45
60	Ligands of CD4 inhibit the association of phospholipase \hat{C} 1 with phosphoinositide 3 kinase in T cells: regulation of this association by the phosphoinositide 3 kinase activity. <i>European Journal of Immunology</i> , 1998, 28, 3183-3191.	1.6	21
61	The protein tyrosine kinase p60c-Src is not implicated in the pathogenesis of the human autosomal recessive form of osteopetrosis: A study of 13 children. <i>Journal of Pediatrics</i> , 1998, 133, 537-543.	0.9	8
62	The Lectin Jacalin Specifically Triggers Cell Signaling in CD4+T Lymphocytes. <i>Cellular Immunology</i> , 1997, 181, 23-29.	1.4	11
63	gp160 of HIV or anti-CD4 monoclonal antibody ligation of CD4 induces inhibition of JNK and ERK-2 activities in human peripheral CD4+ T lymphocytes. <i>European Journal of Immunology</i> , 1997, 27, 397-404.	1.6	31
64	Evidence for a CD4-associated calcium influx independent of the phosphoinositide transduction pathway in human T cells. <i>European Journal of Immunology</i> , 1997, 27, 2261-2268.	1.6	3
65	Tissue-specific Activity of the $\hat{\Gamma}$ Chain Gene Promoter Depends upon an Ets Binding Site and Is Regulated by CA-binding Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 14849-14855.	1.6	24
66	Differential CD4-dependent regulation of naive and memory CD4+ T cell adhesion is not related to differences in expression and function of CD4 and p56lck. <i>International Immunology</i> , 1994, 6, 551-559.	1.8	2
67	Interaction of HIV gp120 and anti-CD4 antibodies with the CD4 molecule on human CD4+ T cells inhibits the binding activity of NF-AT, NF- $\hat{\Gamma}$ B and AP-1, three nuclear factors regulating interleukin-2 gene enhancer activity. <i>European Journal of Immunology</i> , 1994, 24, 2646-2652.	1.6	61
68	Ligation of CD4 Surface Antigen Induces Rapid Tyrosine Phosphorylation of the Cytoskeletal Protein Ezrin. <i>Cellular Immunology</i> , 1994, 156, 322-331.	1.4	41
69	Human immunodeficiency virus gp120 and derived peptides activate protein tyrosine kinase p56lck in human CD4 T lymphocytes. <i>European Journal of Immunology</i> , 1993, 23, 600-607.	1.6	115