Jon C D Houtman

List of Publications by Year
in descending order

66 papers	2,855 citations	201674 27 h-index	189892 50 g-index
68 all docs	68 docs citations	68 times ranked	4949 citing authors

#	Article	IF	Citations
1	T-Cell Expression of Angiotensin-Converting Enzyme 2 and Binding of Severe Acute Respiratory Coronavirus 2. Journal of Infectious Diseases, 2022, 225, 810-819.	4.0	13
2	Pharmacological ascorbate improves the response to platinum-based chemotherapy in advanced stage non-small cell lung cancer. Redox Biology, 2022, 53, 102318.	9.0	8
3	Suppression of human T cell activation by derivatives of glycerol monolaurate. Scientific Reports, 2021, 11, 8943.	3.3	7
4	TRAF3 in T Cells Restrains Negative Regulators of LAT to Promote TCR/CD28 Signaling. Journal of Immunology, 2021, 207, 322-332.	0.8	7
5	Intratumoral talimogene laherparepvec injection with concurrent preoperative radiation in patients with locally advanced soft-tissue sarcoma of the trunk and extremities: phase IB/II trial. , 2021, 9, e003119.		10
6	Sepsis leads to lasting changes in phenotype and function of memory CD8 T cells. ELife, 2021, 10, .	6.0	19
7	The lipid membrane of HIV-1 stabilizes the viral envelope glycoproteins and modulates their sensitivity to antibody neutralization. Journal of Biological Chemistry, 2020, 295, 348-362.	3.4	46
8	The membrane proximal proline-rich region and correct order of C-terminal tyrosines on the adaptor protein LAT are required for TCR-mediated signaling and downstream functions. Cellular Signalling, 2020, 76, 109790.	3.6	1
9	High-resolution structure of RGS17 suggests a role for Ca2+ in promoting the GTPase-activating protein activity by RZ subfamily members. Journal of Biological Chemistry, 2019, 294, 8148-8160.	3.4	2
10	Glycerol monolaurate induces filopodia formation by disrupting the association between LAT and SLP-76 microclusters. Science Signaling, 2018, 11, .	3.6	20
11	SelexGLM differentiates androgen and glucocorticoid receptor DNA-binding preference over an extended binding site. Genome Research, 2018, 28, 111-121.	5.5	32
12	Polymicrobial sepsis influences NK-cell-mediated immunity by diminishing NK-cell-intrinsic receptor-mediated effector responses to viral ligands or infections. PLoS Pathogens, 2018, 14, e1007405.	4.7	46
13	Natural Products Discovered in a High-Throughput Screen Identified as Inhibitors of RGS17 and as Cytostatic and Cytotoxic Agents for Lung and Prostate Cancer Cell Lines. Journal of Natural Products, 2017, 80, 1992-2000.	3.0	21
14	TRAF3 enhances TCR signaling by regulating the inhibitors Csk and PTPN22. Scientific Reports, 2017, 7, 2081.	3.3	27
15	Glycerol Monolaurate (GML) Inhibits Human T Cell Signaling, Metabolism, and Function By Disrupting Lipid Dynamics. Journal of Allergy and Clinical Immunology, 2017, 139, AB269.	2.9	2
16	Yellow Fever Virus, but Not Zika Virus or Dengue Virus, Inhibits T-Cell Receptorâ€“Mediated T-Cell Function by an RNA-Based Mechanism. Journal of Infectious Diseases, 2017, 216, 1164-1175.	4.0	9
17	Pretreatment of activated human CD8 T cells with IL-12 leads to enhanced TCR-induced signaling and cytokine production. Molecular Immunology, 2017, 81, 1-15.	2.2	20
18	TransmissionÂofÂTÂCell Receptor-Mediated Signaling via the GRB2 Family of Adaptor Proteins. , 2017, , 147-175.		4

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19	Glycerol Monolaurate (GML) inhibits human T cell signaling and function by disrupting lipid dynamics. Scientific Reports, 2016, 6, 30225.	3.3	52
20	The Proliferating Cell Nuclear Antigen (PCNA)-interacting Protein (PIP) Motif of DNA Polymerase Î· Mediates Its Interaction with the C-terminal Domain of Rev1. Journal of Biological Chemistry, 2016, 291, 8735-8744.	3.4	44
21	The Anti-sigma Factor RsiV Is a Bacterial Receptor for Lysozyme: Co-crystal Structure Determination and Demonstration That Binding of Lysozyme to RsiV Is Required for ÏƒV Activation. PLoS Genetics, 2016, 12, e1006287.	3.5	31
22	Exposure of Human CD4 T Cells to IL-12 Results in Enhanced TCR-Induced Cytokine Production, Altered TCR Signaling, and Increased Oxidative Metabolism. PLoS ONE, 2016, 11, e0157175.	2.5	43
23	Acridine Orange Indicates Early Oxidation of Wood Cell Walls by Fungi. PLoS ONE, 2016, 11, e0159715.	2.5	20
24	Human Serum Albumin (HSA) Suppresses the Effects of Glycerol Monolaurate (GML) on Human T Cell Activation and Function. PLoS ONE, 2016, 11, e0165083.	2.5	7
25	Optimization of methods for the genetic modification of human T cells. Immunology and Cell Biology, 2015, 93, 896-908.	2.3	25
26	Proline-rich tyrosine kinase 2 controls PI3-kinase activation downstream of the T cell antigen receptor in human T cells. Journal of Leukocyte Biology, 2015, 97, 285-296.	3.3	12
27	TCR-mediated functions are enhanced in activated peripheral blood T cells isolated from leucocyte reduction systems. Journal of Immunological Methods, 2015, 416, 137-145.	1.4	7
28	GRB2 Nucleates T Cell Receptor-Mediated LAT Clusters That Control PLC-Î³1 Activation and Cytokine Production. Frontiers in Immunology, 2015, 6, 141.	4.8	26
29	Regions outside of conserved PxxPxR motifs drive the high affinity interaction of GRB2 with SH3 domain ligands. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2560-2569.	4.1	8
30	ROZA-XL, an improved FRET based biosensor with an increased dynamic range for visualizing Zeta Associated Protein 70 kD (ZAP-70) tyrosine kinase activity in live T cells. Biochemical and Biophysical Research Communications, 2015, 459, 405-410.	2.1	14
31	GADS is required for TCR-mediated calcium influx and cytokine release, but not cellular adhesion, in human T cells. Cellular Signalling, 2015, 27, 841-850.	3.6	18
32	Evidence of a Bacterial Receptor for Lysozyme: Binding of Lysozyme to the Anti-Ïƒ Factor RsiV Controls Activation of the ECF Ïƒ Factor ÏƒV. PLoS Genetics, 2014, 10, e1004643.	3.5	40
33	Phosphorylation of Nox1 Regulates Association With NoxA1 Activation Domain. Circulation Research, 2014, 115, 911-918.	4.5	31
34	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
35	Functions of the FAK family kinases in T cells: beyond actin cytoskeletal rearrangement. Immunologic Research, 2014, 59, 23-34.	2.9	34
36	Prior TLR5 induction in human T cells results in a transient potentiation of subsequent TCR-induced cytokine production. Molecular Immunology, 2014, 57, 161-170.	2.2	11

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37	Focal Adhesion Kinase Negatively Regulates Lck Function Downstream of the T Cell Antigen Receptor. Journal of Immunology, 2013, 191, 6208-6221.	0.8	34
38	The adaptor protein LAT serves as an integration node for signaling pathways that drive T cell activation. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2013, 5, 101-110.	6.6	30
39	Distinct signaling pathways regulate TLR2 co-stimulatory function in human T cells. Cellular Signalling, 2013, 25, 639-650.	3.6	19
40	Specificity Residues Determine Binding Affinity for Two-Component Signal Transduction Systems. MBio, 2013, 4, e00420-13.	4.1	42
41	A Calcineurin Docking Motif (LXVP) in Dynamin-related Protein 1 Contributes to Mitochondrial Fragmentation and Ischemic Neuronal Injury. Journal of Biological Chemistry, 2013, 288, 12353-12365.	3.4	66
42	Multipoint Binding of the SLP-76 SH2 Domain to ADAP Is Critical for Oligomerization of SLP-76 Signaling Complexes in Stimulated T Cells. Molecular and Cellular Biology, 2013, 33, 4140-4151.	2.3	43
43	3-Picolyl Azide Adenine Dinucleotide as a Probe of Femtosecond to Picosecond Enzyme Dynamics. Journal of Physical Chemistry B, 2012, 116, 542-548.	2.6	36
44	Non-Catalytic Functions of Pyk2 and Fyn Regulate Late Stage Adhesion in Human T Cells. PLoS ONE, 2012, 7, e53011.	2.5	19
45	Glycosylation contributes to variability in expression of murine cytomegalovirus m157 and enhances stability of interaction with the NKâ€cell receptor Ly49H. European Journal of Immunology, 2010, 40, 2618-2631.	2.9	8
46	Characterization of azido-NAD+ to assess its potential as a two-dimensional infrared probe of enzyme dynamics. Analytical Biochemistry, 2010, 407, 241-246.	2.4	19
47	Cooperative interactions at the SLP-76 complex are critical for actin polymerization. EMBO Journal, 2010, 29, 2315-2328.	7.8	98
48	14â€³â€³Î¶ escorts CCTÎ± for calciumâ€activated nuclear import in lung epithelia. FASEB Journal, 2010, 24, 1271-1283.	0.5	22
49	T cell receptor activation leads to two distinct phases of Pyk2 activation and actin cytoskeletal rearrangement in human T cells. Molecular Immunology, 2010, 47, 1665-1674.	2.2	24
50	NetPath: a public resource of curated signal transduction pathways. Genome Biology, 2010, 11, R3.	9.6	456
51	Comparison of T Cell Receptor-Induced Proximal Signaling and Downstream Functions in Immortalized and Primary T Cells. PLoS ONE, 2009, 4, e5430.	2.5	76
52	Basis of substrate binding and conservation of selectivity in the CLC family of channels and transporters. Nature Structural and Molecular Biology, 2009, 16, 1294-1301.	8.2	106
53	PI3 kinase function is vital for the function but not formation of LAT-mediated signaling complexes. Molecular Immunology, 2009, 46, 2274-2283.	2.2	16
54	The T cell receptor-mediated phosphorylation of Pyk2 tyrosines 402 and 580 occurs via a distinct mechanism than other receptor systems. Journal of Leukocyte Biology, 2009, 87, 691-701.	3.3	29

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55	Mono-, Bis-, and Tris(crown ether)s Assembled around 1,3,5-Triaroylbenzene Scaffolds. Journal of Organic Chemistry, 2008, 73, 2760-2767.	3.2	17
56	Characterization of the N-Acetyl-5-neuraminic Acid-binding Site of the Extracytoplasmic Solute Receptor (SiaP) of Nontypeable Haemophilus influenzae Strain 2019. Journal of Biological Chemistry, 2008, 283, 855-865.	3.4	79
57	Control of the Ability of Profilin to Bind and Facilitate Nucleotide Exchange from G-actin. Journal of Biological Chemistry, 2008, 283, 9444-9453.	3.4	22
58	Studying multisite binary and ternary protein interactions by global analysis of isothermal titration calorimetry data in SEDPHAT: Application to adaptor protein complexes in cell signaling. Protein Science, 2007, 16, 30-42.	7.6	295
59	Oligomerization of signaling complexes by the multipoint binding of GRB2 to both LAT and SOS1. Nature Structural and Molecular Biology, 2006, 13, 798-805.	8.2	195
60	Examining multiprotein signaling complexes from all angles. The use of complementary techniques to characterize complex formation at the adapter protein, linker for activation of T cells. FEBS Journal, 2005, 272, 5426-5435.	4.7	40
61	Early Phosphorylation Kinetics of Proteins Involved in Proximal TCR-Mediated Signaling Pathways. Journal of Immunology, 2005, 175, 2449-2458.	0.8	105
62	Structural basis for differential recognition of tyrosine-phosphorylated sites in the linker for activation of T cells (LAT) by the adaptor Gads. EMBO Journal, 2004, 23, 1441-1451.	7.8	28
63	Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. Biochemistry, 2004, 43, 4170-4178.	2.5	105
64	Growth Hormone-induced Alteration in ErbB-2 Phosphorylation Status in 3T3-F442A Fibroblasts. Journal of Biological Chemistry, 1999, 274, 36015-36024.	3.4	52
65	Design, combinatorial chemical synthesis and in vitro characterization of novel urea based gelatinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 2823-2826.	2.2	12
66	Growth hormone attenuation of epidermal growth factor-induced mitogenesis. , 1997, 173, 44-53.		24