

Jon C D Houtman

List of Publications by Year in descending order

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Version: 2024-02-01

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	NetPath: a public resource of curated signal transduction pathways. <i>Genome Biology</i> , 2010, 11, R3.	9.6	456
2	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. <i>Protein Science</i> , 2007, 16, 30-42.	7.6	295
3	Oligomerization of signaling complexes by the multipoint binding of GRB2 to both LAT and SOS1. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 798-805.	8.2	195
4	Basis of substrate binding and conservation of selectivity in the CLC family of channels and transporters. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1294-1301.	8.2	106
5	Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. <i>Biochemistry</i> , 2004, 43, 4170-4178.	2.5	105
6	Early Phosphorylation Kinetics of Proteins Involved in Proximal TCR-Mediated Signaling Pathways. <i>Journal of Immunology</i> , 2005, 175, 2449-2458.	0.8	105
7	Cooperative interactions at the SLP-76 complex are critical for actin polymerization. <i>EMBO Journal</i> , 2010, 29, 2315-2328.	7.8	98
8	Characterization of the N-Acetyl-5-neuraminic Acid-binding Site of the Extracytoplasmic Solute Receptor (SiaP) of Nontypeable Haemophilus influenzae Strain 2019. <i>Journal of Biological Chemistry</i> , 2008, 283, 855-865.	3.4	79
9	Comparison of T Cell Receptor-Induced Proximal Signaling and Downstream Functions in Immortalized and Primary T Cells. <i>PLoS ONE</i> , 2009, 4, e5430.	2.5	76
10	A Calcineurin Docking Motif (LXVP) in Dynamin-related Protein 1 Contributes to Mitochondrial Fragmentation and Ischemic Neuronal Injury. <i>Journal of Biological Chemistry</i> , 2013, 288, 12353-12365.	3.4	66
11	Growth Hormone-induced Alteration in ErbB-2 Phosphorylation Status in 3T3-F442A Fibroblasts. <i>Journal of Biological Chemistry</i> , 1999, 274, 36015-36024.	3.4	52
12	Glycerol Monolaurate (GML) inhibits human T cell signaling and function by disrupting lipid dynamics. <i>Scientific Reports</i> , 2016, 6, 30225.	3.3	52
13	Polymicrobial sepsis influences NK-cell-mediated immunity by diminishing NK-cell-intrinsic receptor-mediated effector responses to viral ligands or infections. <i>PLoS Pathogens</i> , 2018, 14, e1007405.	4.7	46
14	The lipid membrane of HIV-1 stabilizes the viral envelope glycoproteins and modulates their sensitivity to antibody neutralization. <i>Journal of Biological Chemistry</i> , 2020, 295, 348-362.	3.4	46
15	The Proliferating Cell Nuclear Antigen (PCNA)-interacting Protein (PIP) Motif of DNA Polymerase δ Mediates Its Interaction with the C-terminal Domain of Rev1. <i>Journal of Biological Chemistry</i> , 2016, 291, 8735-8744.	3.4	44
16	Multipoint Binding of the SLP-76 SH2 Domain to ADAP Is Critical for Oligomerization of SLP-76 Signaling Complexes in Stimulated T Cells. <i>Molecular and Cellular Biology</i> , 2013, 33, 4140-4151.	2.3	43
17	Exposure of Human CD4 T Cells to IL-12 Results in Enhanced TCR-Induced Cytokine Production, Altered TCR Signaling, and Increased Oxidative Metabolism. <i>PLoS ONE</i> , 2016, 11, e0157175.	2.5	43
18	Specificity Residues Determine Binding Affinity for Two-Component Signal Transduction Systems. <i>MBio</i> , 2013, 4, e00420-13.	4.1	42

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37	Activated PLC- $\hat{\beta}$ 1 is catalytically induced at LAT but activated PLC- $\hat{\beta}$ 1 is localized at both LAT- and TCR-containing complexes. <i>Cellular Signalling</i> , 2014, 26, 797-805.	3.6	21
38	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. <i>Journal of Natural Products</i> , 2017, 80, 1992-2000.	3.0	21
39	Pretreatment of activated human CD8 T cells with IL-12 leads to enhanced TCR-induced signaling and cytokine production. <i>Molecular Immunology</i> , 2017, 81, 1-15.	2.2	20
40	Glycerol monolaurate induces filopodia formation by disrupting the association between LAT and SLP-76 microclusters. <i>Science Signaling</i> , 2018, 11, .	3.6	20
41	Acridine Orange Indicates Early Oxidation of Wood Cell Walls by Fungi. <i>PLoS ONE</i> , 2016, 11, e0159715.	2.5	20
42	Characterization of azido-NAD ⁺ to assess its potential as a two-dimensional infrared probe of enzyme dynamics. <i>Analytical Biochemistry</i> , 2010, 407, 241-246.	2.4	19
43	Distinct signaling pathways regulate TLR2 co-stimulatory function in human T cells. <i>Cellular Signalling</i> , 2013, 25, 639-650.	3.6	19
44	Non-Catalytic Functions of Pyk2 and Fyn Regulate Late Stage Adhesion in Human T Cells. <i>PLoS ONE</i> , 2012, 7, e53011.	2.5	19
45	Sepsis leads to lasting changes in phenotype and function of memory CD8 T cells. <i>ELife</i> , 2021, 10, .	6.0	19
46	GADS is required for TCR-mediated calcium influx and cytokine release, but not cellular adhesion, in human T cells. <i>Cellular Signalling</i> , 2015, 27, 841-850.	3.6	18
47	Mono-, Bis-, and Tris(crown ether)s Assembled around 1,3,5-Triarylbenzene Scaffolds. <i>Journal of Organic Chemistry</i> , 2008, 73, 2760-2767.	3.2	17
48	PI3 kinase function is vital for the function but not formation of LAT-mediated signaling complexes. <i>Molecular Immunology</i> , 2009, 46, 2274-2283.	2.2	16
49	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. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 405-410.	2.1	14
50	T-Cell Expression of Angiotensin-Converting Enzyme 2 and Binding of Severe Acute Respiratory Coronavirus 2. <i>Journal of Infectious Diseases</i> , 2022, 225, 810-819.	4.0	13
51	Design, combinatorial chemical synthesis and in vitro characterization of novel urea based gelatinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 2823-2826.	2.2	12
52	Proline-rich tyrosine kinase 2 controls PI3-kinase activation downstream of the T cell antigen receptor in human T cells. <i>Journal of Leukocyte Biology</i> , 2015, 97, 285-296.	3.3	12
53	Prior TLR5 induction in human T cells results in a transient potentiation of subsequent TCR-induced cytokine production. <i>Molecular Immunology</i> , 2014, 57, 161-170.	2.2	11
54	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

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55	Yellow Fever Virus, but Not Zika Virus or Dengue Virus, Inhibits T-Cell Receptor-Mediated T-Cell Function by an RNA-Based Mechanism. <i>Journal of Infectious Diseases</i> , 2017, 216, 1164-1175.	4.0	9
56	Glycosylation contributes to variability in expression of murine cytomegalovirus m157 and enhances stability of interaction with the NK cell receptor Ly49H. <i>European Journal of Immunology</i> , 2010, 40, 2618-2631.	2.9	8
57	Regions outside of conserved PxxPxR motifs drive the high affinity interaction of GRB2 with SH3 domain ligands. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2560-2569.	4.1	8
58	Pharmacological ascorbate improves the response to platinum-based chemotherapy in advanced stage non-small cell lung cancer. <i>Redox Biology</i> , 2022, 53, 102318.	9.0	8
59	TCR-mediated functions are enhanced in activated peripheral blood T cells isolated from leucocyte reduction systems. <i>Journal of Immunological Methods</i> , 2015, 416, 137-145.	1.4	7
60	Suppression of human T cell activation by derivatives of glycerol monolaurate. <i>Scientific Reports</i> , 2021, 11, 8943.	3.3	7
61	TRAF3 in T Cells Restrains Negative Regulators of LAT to Promote TCR/CD28 Signaling. <i>Journal of Immunology</i> , 2021, 207, 322-332.	0.8	7
62	Human Serum Albumin (HSA) Suppresses the Effects of Glycerol Monolaurate (GML) on Human T Cell Activation and Function. <i>PLoS ONE</i> , 2016, 11, e0165083.	2.5	7
63	Transmission of Cell Receptor-Mediated Signaling via the GRB2 Family of Adaptor Proteins. , 2017, , 147-175.		4
64	Glycerol Monolaurate (GML) Inhibits Human T Cell Signaling, Metabolism, and Function By Disrupting Lipid Dynamics. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB269.	2.9	2
65	High-resolution structure of RGS17 suggests a role for Ca ²⁺ in promoting the GTPase-activating protein activity by RZ subfamily members. <i>Journal of Biological Chemistry</i> , 2019, 294, 8148-8160.	3.4	2
66	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. <i>Cellular Signalling</i> , 2020, 76, 109790.	3.6	1