

Hai-Tao He

List of Publications by Year in descending order

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44
papers

4,710
citations

218677

26
h-index

302126

39
g-index

51
all docs

51
docs citations

51
times ranked

4441
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical regulatory role for the cytoplasmic domain of CD28 in ligand binding in naive T cells. <i>Science Bulletin</i> , 2021, 66, 107-110.	9.0	0
2	Rapid viscoelastic changes are a hallmark of early leukocyte activation. <i>Biophysical Journal</i> , 2021, 120, 1692-1704.	0.5	17
3	Application of Spot Variation FCS (svFCS) Analysis to T Cell Membrane Dynamics. <i>Biophysical Journal</i> , 2020, 118, 353a.	0.5	0
4	Phosphoinositides regulate the TCR/CD3 complex membrane dynamics and activation. <i>Scientific Reports</i> , 2018, 8, 4966.	3.3	27
5	TCR and CD28 Concomitant Stimulation Elicits a Distinctive Calcium Response in Naive T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2864.	4.8	27
6	A user's guide for characterizing plasma membrane subdomains in living cells by spot variation fluorescence correlation spectroscopy. <i>Methods in Cell Biology</i> , 2017, 139, 1-22.	1.1	11
7	Glycosylation-Dependent IFN- β R Partitioning in Lipid and Actin Nanodomains Is Critical for JAK Activation. <i>Cell</i> , 2016, 166, 920-934.	28.9	110
8	Imaging Spatiotemporal Activities of ZAP-70 in Live T Cells Using a FRET-Based Biosensor. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3510-3521.	2.5	14
9	Probing the Plasma Membrane Organization in Living Cells by Spot Variation Fluorescence Correlation Spectroscopy. <i>Methods in Enzymology</i> , 2013, 519, 277-302.	1.0	28
10	Barcoding T Cell Calcium Response Diversity with Methods for Automated and Accurate Analysis of Cell Signals (MAAACS). <i>PLoS Computational Biology</i> , 2013, 9, e1003245.	3.2	36
11	Deciphering Cell Membrane Organization Based on Lateral Diffusion Measurements by Fluorescence Correlation Spectroscopy at Different Length Scales. <i>Springer Series on Fluorescence</i> , 2012, , 271-289.	0.8	0
12	Membrane dynamics shape TCR-generated signaling. <i>Frontiers in Immunology</i> , 2012, 3, 90.	4.8	29
13	Probing Orientational Order of MHC Class I Protein and Lipids in Cell Membranes by Fluorescence Polarization-Resolved Microscopy Imaging. <i>Biophysical Journal</i> , 2011, 100, 616a.	0.5	0
14	Probing Orientational Behavior of MHC Class I Protein and Lipid Probes in Cell Membranes by Fluorescence Polarization-Resolved Imaging. <i>Biophysical Journal</i> , 2011, 101, 468-476.	0.5	25
15	Detecting Nanodomains in Living Cell Membrane by Fluorescence Correlation Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2011, 62, 417-436.	10.8	131
16	A FRET-Based Biosensor for Imaging SYK Activities in Living Cells. <i>Cellular and Molecular Bioengineering</i> , 2011, 4, 670-677.	2.1	15
17	T cell antigen receptor triggering and lipid rafts: a matter of space and time scales. <i>EMBO Reports</i> , 2008, 9, 525-530.	4.5	49
18	Raft nanodomains contribute to Akt/PKB plasma membrane recruitment and activation. <i>Nature Chemical Biology</i> , 2008, 4, 538-547.	8.0	270

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19	Nanoscale Membrane Organization and Receptor Signaling in T- Lymphocytes. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2008, 8, 358-365.	0.5	0
20	Coronin-1A Links Cytoskeleton Dynamics to TCR ζ η -Induced Cell Signaling. <i>PLoS ONE</i> , 2008, 3, e3467.	2.5	66
21	Palmitoylation is required for efficient Fas cell death signaling. <i>EMBO Journal</i> , 2007, 26, 209-220.	7.8	167
22	Characterization of <i>Brucella abortus</i> lipopolysaccharide macrodomains as mega rafts. <i>Cellular Microbiology</i> , 2006, 8, 197-206.	2.1	39
23	Dynamics in the plasma membrane: how to combine fluidity and order. <i>EMBO Journal</i> , 2006, 25, 3446-3457.	7.8	259
24	Dynamic molecular confinement in the plasma membrane by microdomains and the cytoskeleton meshwork. <i>EMBO Journal</i> , 2006, 25, 3245-3256.	7.8	443
25	Lipid rafts and the initiation of T cell receptor signaling. <i>Seminars in Immunology</i> , 2005, 17, 23-33.	5.6	84
26	Coronin-1 expression in T lymphocytes: insights into protein function during T cell development and activation. <i>International Immunology</i> , 2004, 16, 231-240.	4.0	56
27	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.	2.0	114
28	Induction of T Helper Type 2 Immunity by a Point Mutation in the LAT Adaptor. <i>Science</i> , 2002, 296, 2036-2040.	12.6	263
29	Role of ICAM-3 in the initial interaction of T lymphocytes and APCs. <i>Nature Immunology</i> , 2002, 3, 159-168.	14.5	142
30	An essential role for membrane rafts in the initiation of Fas/CD95 α -triggered cell death in mouse thymocytes. <i>EMBO Reports</i> , 2002, 3, 190-196.	4.5	210
31	TCR signal initiation machinery is pre-assembled and activated in a subset of membrane rafts. <i>EMBO Journal</i> , 2002, 21, 1899-1908.	7.8	294
32	Membrane rafts and signaling by the multichain immune recognition receptors. <i>Current Opinion in Immunology</i> , 2000, 12, 250-255.	5.5	224
33	Microdomains in lymphocyte signalling: beyond GPI-anchored proteins. <i>Trends in Immunology</i> , 2000, 21, 2-7.	7.5	119
34	Crippling of CD3 ζ ITAMs Does Not Impair T Cell Receptor Signaling. <i>Immunity</i> , 1999, 10, 409-420.	14.3	93
35	Radeaux lipidiques : r \hat{A} le dans l'activation lymphocytaire.. <i>Medecine/Sciences</i> , 1999, 15, 1142.	0.2	1
36	Engagement of T cell receptor triggers its recruitment to low-density detergent-insoluble membrane domains. <i>EMBO Journal</i> , 1998, 17, 5334-5348.	7.8	583

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37	Thy-1 immunolabeled thymocyte microdomains studied with the atomic force microscope and the electron microscope. <i>Biophysical Journal</i> , 1997, 73, 1627-1632.	0.5	13
38	Thymocytes in Thy-1 ^{-/-} mice show augmented TCR signaling and impaired differentiation. <i>Current Biology</i> , 1997, 7, 705-708.	3.9	213
39	Thy-1 triggers mouse thymocyte apoptosis through a bcl-2-resistant mechanism.. <i>Journal of Experimental Medicine</i> , 1994, 179, 785-796.	8.5	73
40	Quantitating Apoptosis by a Nonradioactive DNA Dot Blot Assay. <i>Analytical Biochemistry</i> , 1994, 221, 431-433.	2.4	6
41	Thy-1 supports adhesion of mouse thymocytes to thymic epithelial cells through a Ca ²⁺ -independent mechanism.. <i>Journal of Experimental Medicine</i> , 1991, 173, 515-518.	8.5	81
42	Biochemical properties of somatostatin receptors. <i>Metabolism: Clinical and Experimental</i> , 1990, 39, 70-73.	3.4	7
43	Biosynthesis, membrane association, and release of N-CAM-120, a phosphatidylinositol-linked form of the neural cell adhesion molecule.. <i>Journal of Cell Biology</i> , 1987, 105, 2489-2500.	5.2	154
44	Phosphatidylinositol is involved in the membrane attachment of NCAM-120, the smallest component of the neural cell adhesion molecule.. <i>EMBO Journal</i> , 1986, 5, 2489-2494.	7.8	215