

# Johannes B Huppa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

4,355  
citations

28  
h-index

65  
g-index

85  
ext. papers

5,049  
ext. citations

11.9  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
61	SARS-CoV-2-Specific Antibody (Ab) Levels and the Kinetic of Ab Decline Determine Ab Persistence Over 1 Year.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 822316	4.9	1
60	Prospective Tracking of Donor-Reactive T-Cell Clones in the Circulation and Rejecting Human Kidney Allografts. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 750005	8.4	2
59	Three-Dimensional Single Molecule Localization Microscopy Reveals the Topography of the Immunological Synapse at Isotropic Precision below 15 nm. <i>Nano Letters</i> , <b>2021</b> , 21, 9247-9255	11.5	1
58	SARS-CoV-2 mutations in MHC-I-restricted epitopes evade CD8 T cell responses. <i>Science Immunology</i> , <b>2021</b> , 6,	28	58
57	Adjuvants and Vaccines Used in Allergen-Specific Immunotherapy Induce Neutrophil Extracellular Traps. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	4
56	Temporal analysis of T-cell receptor-imposed forces via quantitative single molecule FRET measurements. <i>Nature Communications</i> , <b>2021</b> , 12, 2502	17.4	13
55	Histone deacetylase 1 controls CD4 T cell trafficking in autoinflammatory diseases. <i>Journal of Autoimmunity</i> , <b>2021</b> , 119, 102610	15.5	3
54	Characterization of CD8 T Cell-Mediated Mutations in the Immunodominant Epitope GP33-41 of Lymphocytic Choriomeningitis Virus. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 638485	8.4	
53	The SPPL3-Defined Glycosphingolipid Repertoire Orchestrates HLA Class I-Mediated Immune Responses. <i>Immunity</i> , <b>2021</b> , 54, 132-150.e9	32.3	14
52	Functionalized Bead Assay to Measure Three-dimensional Traction Forces during T-cell Activation. <i>Nano Letters</i> , <b>2021</b> , 21, 507-514	11.5	16
51	DNA origami demonstrate the unique stimulatory power of single pMHCs as T cell antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	30
50	Strategies for the Site-Specific Decoration of DNA Origami Nanostructures with Functionally Intact Proteins. <i>ACS Nano</i> , <b>2021</b> , 15, 15057-15068	16.7	4
49	A Multimodal Platform for Simultaneous T-Cell Imaging, Defined Activation, and Mechanobiological Characterization. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
48	TIM-3 and CEACAM1 do not interact in cis and in trans. <i>European Journal of Immunology</i> , <b>2020</b> , 50, 1126-1141	11.1	11
47	Getting CD19 Into Shape: Expression of Natively Folded "Difficult-to- Express" CD19 for Staining and Stimulation of CAR-T Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 49	5.8	6
46	The cytoskeletal regulator HEM1 governs B cell development and prevents autoimmunity. <i>Science Immunology</i> , <b>2020</b> , 5,	28	20
45	Inefficient CAR-proximal signaling blunts antigen sensitivity. <i>Nature Immunology</i> , <b>2020</b> , 21, 848-856	19.1	31

44	Unscrambling fluorophore blinking for comprehensive cluster detection via photoactivated localization microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 4993	17.4	13
43	Engineering AvidCARs for combinatorial antigen recognition and reversible control of CAR function. <i>Nature Communications</i> , <b>2020</b> , 11, 4166	17.4	21
42	How drag sharpens a T cell's view on antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16669-16671	11.5	5
41	Homo- and Heteroassociations Drive Activation of ErbB3. <i>Biophysical Journal</i> , <b>2019</b> , 117, 1935-1947	2.9	7
40	Monomeric TCRs drive T cell antigen recognition. <i>Nature Immunology</i> , <b>2018</b> , 19, 487-496	19.1	74
39	Extracellular Purine Metabolism Is the Switchboard of Immunosuppressive Macrophages and a Novel Target to Treat Diseases With Macrophage Imbalances. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 852	8.4	19
38	TCRs are randomly distributed on the plasma membrane of resting antigen-experienced T cells. <i>Nature Immunology</i> , <b>2018</b> , 19, 821-827	19.1	58
37	Mutations affecting the actin regulator WD repeat-containing protein 1 lead to aberrant lymphoid immunity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 1589-1604.e11	11.5	43
36	Förster Resonance Energy Transfer to Study TCR-pMHC Interactions in the Immunological Synapse. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1584, 207-229	1.4	4
35	A cellular platform for the evaluation of immune checkpoint molecules. <i>Oncotarget</i> , <b>2017</b> , 8, 64892-64906	9.3	25
34	RASGRP1 deficiency causes immunodeficiency with impaired cytoskeletal dynamics. <i>Nature Immunology</i> , <b>2016</b> , 17, 1352-1360	19.1	86
33	Assessment of costimulation and coinhibition in a triple parameter T cell reporter line: Simultaneous measurement of NF- $\kappa$ B, NFAT and AP-1. <i>Journal of Immunological Methods</i> , <b>2016</b> , 430, 10-20	2.5	74
32	Rapid multiplex analysis of lipid raft components with single-cell resolution. <i>Science Signaling</i> , <b>2015</b> , 8, rs11	8.8	6
31	Measuring TCR-pMHC Binding In Situ using a FRET-based Microscopy Assay. <i>Journal of Visualized Experiments</i> , <b>2015</b> , e53157	1.6	5
30	Single Molecule Fluorescence Microscopy on Planar Supported Bilayers. <i>Journal of Visualized Experiments</i> , <b>2015</b> , e53158	1.6	7
29	The interdisciplinary science of T-cell recognition. <i>Advances in Immunology</i> , <b>2013</b> , 119, 1-50	5.6	34
28	Distinct TCR signaling pathways drive proliferation and cytokine production in T cells. <i>Nature Immunology</i> , <b>2013</b> , 14, 262-70	19.1	149
27	Determination of interaction kinetics between the T cell receptor and peptide-loaded MHC class II via single-molecule diffusion measurements. <i>Biophysical Journal</i> , <b>2012</b> , 103, L17-9	2.9	32

26	Photocrosslinkable pMHC monomers stain T cells specifically and cause ligand-bound TCRs to be preferentially transported to the cSMAC. <i>Nature Immunology</i> , <b>2012</b> , 13, 674-80	19.1	39
25	TCR-peptide-MHC interactions in situ show accelerated kinetics and increased affinity. <i>Nature</i> , <b>2010</b> , 463, 963-7	50.4	362
24	TCR and Lat are expressed on separate protein islands on T cell membranes and concatenate during activation. <i>Nature Immunology</i> , <b>2010</b> , 11, 90-6	19.1	498
23	Evidence for a functional sidedness to the alphabetaTCR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 5094-9	11.5	63
22	Functional development of the T cell receptor for antigen. <i>Progress in Molecular Biology and Translational Science</i> , <b>2010</b> , 92, 65-100	4	8
21	T cells as a self-referential, sensory organ. <i>Annual Review of Immunology</i> , <b>2007</b> , 25, 681-95	34.7	128
20	Quantitative imaging of lymphocyte membrane protein reorganization and signaling. <i>Biophysical Journal</i> , <b>2005</b> , 88, 579-89	2.9	6
19	Agonist/endogenous peptide-MHC heterodimers drive T cell activation and sensitivity. <i>Nature</i> , <b>2005</b> , 434, 238-43	50.4	287
18	Response to Tracking synapse-associated TCRs <i>Nature Immunology</i> , <b>2004</b> , 5, 117-117	19.1	
17	T cell killing does not require the formation of a stable mature immunological synapse. <i>Nature Immunology</i> , <b>2004</b> , 5, 524-30	19.1	427
16	CD4 enhances T cell sensitivity to antigen by coordinating Lck accumulation at the immunological synapse. <i>Nature Immunology</i> , <b>2004</b> , 5, 791-9	19.1	201
15	Continuous T cell receptor signaling required for synapse maintenance and full effector potential. <i>Nature Immunology</i> , <b>2003</b> , 4, 749-55	19.1	337
14	T-cell-antigen recognition and the immunological synapse. <i>Nature Reviews Immunology</i> , <b>2003</b> , 3, 973-83	36.5	421
13	Dynamics of cell surface molecules during T cell recognition. <i>Annual Review of Biochemistry</i> , <b>2003</b> , 72, 717-42	29.1	98
12	Linking molecular and cellular events in T-cell activation and synapse formation. <i>Seminars in Immunology</i> , <b>2003</b> , 15, 307-15	10.7	42
11	Linker for activation of T cells, zeta-associated protein-70, and Src homology 2 domain-containing leukocyte protein-76 are required for TCR-induced microtubule-organizing center polarization. <i>Journal of Immunology</i> , <b>2003</b> , 171, 860-6	5.3	96
10	The eS-Sence of -SH in the ER. <i>Cell</i> , <b>1998</b> , 92, 145-8	56.2	60
9	Dislocation of type I membrane proteins from the ER to the cytosol is sensitive to changes in redox potential. <i>Journal of Cell Biology</i> , <b>1998</b> , 142, 365-76	7.3	119

8	In vitro translation and assembly of a complete T cell receptor-CD3 complex. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 393-403	16.6	91
7	The alpha chain of the T cell antigen receptor is degraded in the cytosol. <i>Immunity</i> , <b>1997</b> , 7, 113-22	32.3	160
6	Temporal Analysis of T-Cell Receptor-Imposed Forces via Quantitative Single Molecule FRET Measurements		3
5	DNA origami demonstrate the unique stimulatory power of single pMHCs as T-cell antigens		2
4	SARS-CoV-2 escapes CD8 T cell surveillance via mutations in MHC-I restricted epitopes		6
3	Inefficient ZAP70-Signaling Blunts Antigen Detection by CAR-T-Cells		4
2	The kinetic of SARS-CoV-2 antibody (Ab) decline determines the threshold for Ab persistence up to one year		1
1	T-Cell Antigen Recognition [Lessons from the Past and Projections into the Future1-26		1