Hans-Martin Jck

List of Publications by Citations

123 papers	5,408 citations	37 h-index	71 g-index
133 ext. papers	7,148 ext. citations	8.3 avg, IF	5.64 L-index

#	Paper	IF	Citations
123	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
122	SARS-CoV-2 variants B.1.351 and P.1 escape from neutralizing antibodies. *Cell*, **2021**, 184, 2384-2393.e12	56.2	459
121	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
120	Extensive immunoglobulin production sensitizes myeloma cells for proteasome inhibition. *Cancer Research*, **2007**, 67, 1783-92	10.1	321
119	hUPF2 silencing identifies physiologic substrates of mammalian nonsense-mediated mRNA decay. *Molecular and Cellular Biology*, **2006**, 26, 1272-87	4.8	187
118	Circular DNA is a product of the immunoglobulin class switch rearrangement. *Nature*, **1990**, 345, 452-6	50.4	187
117	The Omicron variant is highly resistant against antibody-mediated neutralization: Implications for control of the COVID-19 pandemic.. *Cell*, **2021**,	56.2	156
116	Polycomb recruitment to DNA in vivo by the YY1 REPO domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 19296-301	11.5	139
115	Serum microRNAs as powerful cancer biomarkers. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2010**, 1806, 200-7	11.2	132
114	SARS-CoV-2 variant B.1.617 is resistant to bamlanivimab and evades antibodies induced by infection and vaccination. *Cell Reports*, **2021**, 36, 109415	10.6	131
113	Stages of germinal center transit are defined by B cell transcription factor coexpression and relative abundance. *Journal of Immunology*, **2006**, 177, 6930-9	5.3	110
112	Pre-B cell receptor-mediated cell cycle arrest in Philadelphia chromosome-positive acute lymphoblastic leukemia requires IKAROS function. *Journal of Experimental Medicine*, **2009**, 206, 1739-53	16.6	108
111	Interaction of murine precursor B cell receptor with stroma cells is controlled by the unique tail of lambda 5 and stroma cell-associated heparan sulfate. *Journal of Immunology*, **2003**, 171, 2338-48	5.3	94
110	BCL6 is critical for the development of a diverse primary B cell repertoire. *Journal of Experimental Medicine*, **2010**, 207, 1209-21	16.6	89
109	Expression of BLIMP1/PRMT5 and concurrent histone H2A/H4 arginine 3 dimethylation in fetal germ cells, CIS/IGCNU and germ cell tumors. *BMC Developmental Biology*, **2008**, 8, 106	3.1	87
108	B cell homeostasis and plasma cell homing controlled by Krüppel-like factor 2. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 710-5	11.5	76
107	After shrinkage apoptotic cells expose internal membrane-derived epitopes on their plasma membranes. *Cell Death and Differentiation*, **2007**, 14, 733-42	12.7	71

106	A new staining protocol for detection of murine antibody-secreting plasma cell subsets by flow cytometry. *European Journal of Immunology*, **2017**, 47, 1389-1392	6.1	68
105	Lipid rafts associate with intracellular B cell receptors and exhibit a B cell stage-specific protein composition. *Journal of Immunology*, **2005**, 174, 3508-17	5.3	64
104	Characterization of myocyte enhancer factor 2 (MEF2) expression in B and T cells: MEF2C is a B cell-restricted transcription factor in lymphocytes. *Molecular Immunology*, **1998**, 35, 445-58	4.3	62
103	miR-148a promotes plasma cell differentiation and targets the germinal center transcription factors Mitf and Bach2. *European Journal of Immunology*, **2015**, 45, 1206-15	6.1	60
102	Cutting edge: signaling and cell surface expression of a mu H chain in the absence of lambda 5: a paradigm revisited. *Journal of Immunology*, **2003**, 171, 3343-7	5.3	59
101	microRNAs in rheumatoid arthritis: midget RNAs with a giant impact. *Annals of the Rheumatic Diseases*, **2011**, 70 Suppl 1, i92-6	2.4	55
100	Surrogate light chain-mediated interaction of a soluble pre-B cell receptor with adherent cell lines. *Journal of Immunology*, **2001**, 167, 6403-11	5.3	55
99	Identification of YY1 sequences necessary for association with the nuclear matrix and for transcriptional repression functions. *Journal of Cellular Biochemistry*, **1998**, 68, 484-499	4.7	53
98	The role of the miR-148/-152 family in physiology and disease. *European Journal of Immunology*, **2017**, 47, 2026-2038	6.1	51
97	Translation affects immunoglobulin mRNA stability. *European Journal of Immunology*, **1989**, 19, 843-7	6.1	50
96	Human INT6/eIF3e is required for nonsense-mediated mRNA decay. *EMBO Reports*, **2007**, 8, 596-602	6.5	48
95	Evidence of abortive plasma cell differentiation in Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma. *Hematological Oncology*, **2005**, 23, 127-32	1.3	48
94	SARS-CoV-2 variant B.1.617 is resistant to Bamlanivimab and evades antibodies induced by infection and vaccination		48
93	Essential control of early B-cell development by Mef2 transcription factors. *Blood*, **2016**, 127, 572-81	2.2	43
92	Swiprosin-1/EFhd2 controls B cell receptor signaling through the assembly of the B cell receptor, Syk, and phospholipase C gamma2 in membrane rafts. *Journal of Immunology*, **2010**, 184, 3665-76	5.3	43
91	Measurements of mutation rates in B lymphocytes. *Immunological Reviews*, **1987**, 96, 91-107	11.3	42
90	SARS-CoV-2 mutations acquired in mink reduce antibody-mediated neutralization. *Cell Reports*, **2021**, 35, 109017	10.6	42
89	Powered by pairing: the surrogate light chain amplifies immunoglobulin heavy chain signaling and pre-selects the antibody repertoire. *Seminars in Immunology*, **2006**, 18, 44-55	10.7	41

88	SARS-CoV-2 variants B.1.351 and B.1.1.248: Escape from therapeutic antibodies and antibodies induced by infection and vaccination		39
87	miR-9 enhances IL-2 production in activated human CD4(+) T cells by repressing Blimp-1. *European Journal of Immunology*, **2012**, 42, 2100-8	6.1	37
86	Early onset of autoimmune disease by the retroviral integrase inhibitor raltegravir. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20865-70	11.5	37
85	HnRNP L and L-like cooperate in multiple-exon regulation of CD45 alternative splicing. *Nucleic Acids Research*, **2012**, 40, 5666-78	20.1	36
84	miR-148a is upregulated by Twist1 and T-bet and promotes Th1-cell survival by regulating the proapoptotic gene Bim. *European Journal of Immunology*, **2015**, 45, 1192-205	6.1	34
83	T-cell receptor diversity prevents T-cell lymphoma development. *Leukemia*, **2012**, 26, 2499-507	10.7	32
82	PcG recruitment by the YY1 REPO domain can be mediated by Yaf2. *Journal of Cellular Biochemistry* , **2010**, 109, 478-86	4.7	32
81	A gene regulation system with four distinct expression levels. *Journal of Gene Medicine*, **2006**, 8, 1037-47	3.5	31
80	B.1.617.2 enters and fuses lung cells with increased efficiency and evades antibodies induced by infection and vaccination. *Cell Reports*, **2021**, 37, 109825	10.6	31
79	YY1 controls immunoglobulin class switch recombination and nuclear activation-induced deaminase levels. *Molecular and Cellular Biology*, **2012**, 32, 1542-54	4.8	29
78	A defined metabolic state in pre B cells governs B-cell development and is counterbalanced by Swiprosin-2/EFhd1. *Cell Death and Differentiation*, **2017**, 24, 1239-1252	12.7	27
77	Eosinophils are not essential for maintenance of murine plasma cells in the bone marrow. *European Journal of Immunology*, **2018**, 48, 822-828	6.1	27
76	Transcriptome analysis in primary B lymphoid precursors following induction of the pre-B cell receptor. *Molecular Immunology*, **2008**, 45, 362-75	4.3	27
75	Complement Activation in Kidneys of Patients With COVID-19. *Frontiers in Immunology*, **2020**, 11, 594849	8.4	27
74	A unique role for the lambda5 nonimmunoglobulin tail in early B lymphocyte development. *Journal of Immunology*, **2008**, 181, 3232-42	5.3	26
73	Selection of Ig mu heavy chains by complementarity-determining region 3 length and amino acid composition. *Journal of Immunology*, **2003**, 171, 4663-71	5.3	25
72	Adjusting transgene expression levels in lymphocytes with a set of inducible promoters. *Journal of Gene Medicine*, **2010**, 12, 501-15	3.5	24
71	Immunoglobulin mu heavy chains do not mediate tyrosine phosphorylation of Ig alpha from the ER-cis-Golgi. *Journal of Immunology*, **2003**, 171, 3091-101	5.3	24

70	SARS-CoV-2 Omicron: evasion of potent humoral responses and resistance to clinical immunotherapeutics relative to viral variants of concern		24
69	IMU-838, a Developmental DHODH Inhibitor in Phase II for Autoimmune Disease, Shows Anti-SARS-CoV-2 and Broad-Spectrum Antiviral Efficacy In Vitro. *Viruses*, **2020**, 12,	6.2	23
68	The pre-B cell receptor: turning autoreactivity into self-defense. *Trends in Immunology*, **2010**, 31, 176-83	14.4	23
67	VH replacement rescues progenitor B cells with two nonproductive VDJ alleles. *Journal of Immunology*, **2006**, 177, 7007-14	5.3	23
66	Identification of delta helicase as the bovine homolog of HUPF1: demonstration of an interaction with the third subunit of DNA polymerase delta. *Nucleic Acids Research*, **2002**, 30, 2232-43	20.1	23
65	Characterization of solubilized insulin receptors from rat liver microsomes. Existence of two receptor species with different binding properties. *FEBS Journal*, **1986**, 154, 281-7		23
64	Notch1 enhances B-cell receptor-induced apoptosis in mature activated B cells without affecting cell cycle progression and surface IgM expression. *Cell Death and Differentiation*, **2003**, 10, 833-44	12.7	22
63	Pro-B cells sense productive immunoglobulin heavy chain rearrangement irrespective of polypeptide production. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10644-9	11.5	21
62	Interleukin-36 receptor mediates the crosstalk between plasma cells and synovial fibroblasts. *European Journal of Immunology*, **2017**, 47, 2101-2112	6.1	20
61	A colloidal silver staining--destaining method for precise assignment of immunoreactive spots in two-dimensional protein patterns. *Analytical Biochemistry*, **2002**, 308, 381-7	3.1	20
60	Immunoglobulin lambda gene rearrangement can precede kappa gene rearrangement. *Autoimmunity*, **1990**, 1, 53-7		20
59	Roles of heavy and light chains in IgM polymerization. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 4912-6	11.5	19
58	Contribution of microRNA 24-3p and Erk1/2 to interleukin-6-mediated plasma cell survival. *European Journal of Immunology*, **2013**, 43, 3028-37	6.1	17
57	Lytic Epstein-Barr virus infection in epithelial cells but not in B-lymphocytes is dependent on Blimp1. *Journal of General Virology*, **2012**, 93, 1059-1064	4.9	17
56	Three-dimensional modeling of a pre-B-cell receptor. *Molecular Immunology*, **2004**, 40, 1263-72	4.3	17
55	Dicer ablation in osteoblasts by Runx2 driven cre-loxP recombination affects bone integrity, but not glucocorticoid-induced suppression of bone formation. *Scientific Reports*, **2016**, 6, 32112	4.9	17
54	KLF2--a negative regulator of pre-B cell clonal expansion and B cell activation. *PLoS ONE*, **2014**, 9, e97953	3.7	16
53	Swiprosin-1/EFhd2 limits germinal center responses and humoral type 2 immunity. *European Journal of Immunology*, **2014**, 44, 3206-19	6.1	16

52	Equal transcription rates of productively and nonproductively rearranged immunoglobulin mu heavy chain alleles in a pro-B cell line. *Rna*, **2009**, 15, 1021-8	5.8	16
51	Ig mu heavy chains with VH81X variable regions do not associate with lambda 5. *Annals of the New York Academy of Sciences*, **1995**, 764, 39-42	6.5	16
50	A different sort of Mott cell. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 11688-91	11.5	16
49	YY1 Is Required for Germinal Center B Cell Development. *PLoS ONE*, **2016**, 11, e0155311	3.7	16
48	LINE-1 retroelements complexed and inhibited by activation induced cytidine deaminase. *PLoS ONE* , **2012**, 7, e49358	3.7	15
47	A B220(-), CD19(-) population of B cells in the peripheral blood of quasimonoclonal mice. *International Immunology*, **2000**, 12, 29-35	4.9	15
46	The microprocessor component, DGCR8, is essential for early B-cell development in mice. *European Journal of Immunology*, **2016**, 46, 2710-2718	6.1	15
45	New surprises from the deep--the family of small regulatory RNAs increases. *Scientific World Journal, The*, **2010**, 10, 1239-43	2.2	14
44	The early marginal zone B cell-initiated T-independent type 2 response resists the proteasome inhibitor bortezomib. *Journal of Immunology*, **2010**, 185, 5637-47	5.3	14
43	A pair of noncompeting neutralizing human monoclonal antibodies protecting from disease in a SARS-CoV-2 infection model. *European Journal of Immunology*, **2021**,	6.1	14
42	Regulation of Energy Metabolism during Early B Lymphocyte Development. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	13
41	A web platform for the network analysis of high-throughput data in melanoma and its use to investigate mechanisms of resistance to anti-PD1 immunotherapy. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 2315-2328	6.9	12
40	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. *European Journal of Immunology*, **2021**, 51, 2708-3145	6.1	12
39	A facile method to increase titers of miRNA-encoding retroviruses by inhibition of the RNaseIII enzyme Drosha. *European Journal of Immunology*, **2011**, 41, 549-51	6.1	11
38	Ig heavy chain promotes mature B cell survival in the absence of light chain. *Journal of Immunology*, **2007**, 179, 1659-68	5.3	10
37	YY1 controls E[illegible]SRR DNA loop formation and immunoglobulin heavy chain class switch recombination. *Blood Advances*, **2016**, 1, 15-20	7.8	9
36	Monoclonal antibodies to discriminate the EF hand containing calcium binding adaptor proteins EFhd1 and EFhd2. *Monoclonal Antibodies in Immunodiagnosis and Immunotherapy*, **2013**, 32, 237-45	1.9	9
35	CtBP levels control intergenic transcripts, PHO/YY1 DNA binding, and PcG recruitment to DNA. *Journal of Cellular Biochemistry*, **2010**, 110, 62-9	4.7	9

34	Construction and expression of a soluble form of human CD30 ligand with functional activity. *Journal of Leukocyte Biology*, **1998**, 63, 752-7	6.5	9
33	Endothelial dysfunction contributes to severe COVID-19 in combination with dysregulated lymphocyte responses and cytokine networks. *Signal Transduction and Targeted Therapy*, **2021**, 6, 418	21	9
32	miRNA meets plasma cells "How tiny RNAs control antibody responses". *Clinical Immunology*, **2018**, 186, 3-8	9	8
31	APOBEC3 enzymes restrict marginal zone B cells. *European Journal of Immunology*, **2015**, 45, 695-704	6.1	8
30	Towards the generation of B-cell receptor retrogenic mice. *PLoS ONE*, **2014**, 9, e109199	3.7	8
29	Cycloheximide, a new tool to dissect specific steps in ER-associated degradation of different substrates. *Biological Chemistry*, **1999**, 380, 669-77	4.5	8
28	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. *Immunity*, **2021**,	32.3	8
27	The Impact of Hyperosmolality on Activation and Differentiation of B Lymphoid Cells. *Frontiers in Immunology*, **2019**, 10, 828	8.4	7
26	Increased lung cell entry of B.1.617.2 and evasion of antibodies induced by infection and BNT162b2 vaccination		7
25	Proteome profiling suggests a pro-inflammatory role for plasma cells through release of high-mobility group box 1 protein. *Proteomics*, **2011**, 11, 1228-37	4.8	6
24	Unraveling the mysteries of plasma cells. *Advances in Immunology*, **2020**, 146, 57-107	5.6	5
23	TRPC1 transcript variants, inefficient nonsense-mediated decay and low up-frameshift-1 in vascular smooth muscle cells. *BMC Molecular Biology*, **2011**, 12, 30	4.5	5
22	Two forms of activation-induced cytidine deaminase differing in their ability to bind agarose. *PLoS ONE*, **2010**, 5, e8883	3.7	5
21	TFG is required for autophagy flux and to prevent endoplasmic reticulum stress in CH12 B lymphoma cells. *Autophagy*, **2021**, 17, 2238-2256	10.2	5
20	Transcription factor YY1 can control AID-mediated mutagenesis in mice. *European Journal of Immunology*, **2018**, 48, 273-282	6.1	4
19	Prolonged Ex vivo expansion and differentiation of naïve murine CD43(-) B splenocytes. *Biotechnology Progress*, **2016**, 32, 978-89	2.8	4
18	CD44 is dispensable for B lymphopoiesis. *Immunology Letters*, **2004**, 95, 71-5	4.1	4
17	Network- and systems-based re-engineering of dendritic cells with non-coding RNAs for cancer immunotherapy. *Theranostics*, **2021**, 11, 1412-1428	12.1	4

16	miR-148a controls metabolic programming and survival of mature CD19-negative plasma cells in mice. *European Journal of Immunology*, **2021**, 51, 1089-1109	6.1	4
15	YY1 control of mitochondrial-related genes does not account for regulation of immunoglobulin class switch recombination in mice. *European Journal of Immunology*, **2020**, 50, 822-838	6.1	3
14	Single cell resolution of Plasma Cell fate programming in health and disease. *European Journal of Immunology*, **2021**,	6.1	3
13	A pair of non-competing neutralizing human monoclonal antibodies protecting from disease in a SARS-CoV-2 infection model		3
12	SARS-CoV-2 mutations acquired in mink reduce antibody-mediated neutralization		3
11	Genomic suppression of murine B29/Ig-beta promoter-driven transgenes. *European Journal of Immunology*, **2006**, 36, 3324-33	6.1	2
10	No evidence for increased cell entry or antibody evasion by Delta sublineage AY.4.2.. *Cellular and Molecular Immunology*, **2022**,	15.4	2
9	A surrogate cell-based SARS-CoV-2 spike blocking assay. *European Journal of Immunology*, **2021**, 51, 2665-2676	6.1	2
8	A Barcoded Flow Cytometric Assay to Explore the Antibody Responses Against SARS-CoV-2 Spike and Its Variants. *Frontiers in Immunology*, **2021**, 12, 730766	8.4	2
7	The pre-B cell receptor and its ligands It takes two to tango. *Signal Transduction*, **2007**, 7, 299-310		1
6	Double staining of proteins after separation in SDS gels with Ruthenium Bathophenantroline Disulfonate and Silver is compatible with MALDI-TOF mass spectrometry. *Signal Transduction*, **2006**, 6, 185-189		1
5	Interleukin-12 activates interferon-gamma production by targeted activation of CD30+ T cells. *Annals of the New York Academy of Sciences*, **1996**, 795, 127-36	6.5	1
4	Augmented Neutralization of SARS-CoV-2 Omicron Variant by Boost Vaccination and Monoclonal Antibodies.. *European Journal of Immunology*, **2022**,	6.1	1
3	Increased risk of chronic fatigue and hair loss following COVID-19 in individuals with hypohidrotic ectodermal dysplasia. *Orphanet Journal of Rare Diseases*, **2021**, 16, 373	4.2	0
2	MicroRNAs and Biomarker Discovery **2013**, 379-392		
1	Chapter 13. Identifying substrates of mRNA decay factors by a combined RNA interference and DNA microarray approach. *Methods in Enzymology*, **2008**, 449, 263-94	1.7	