Hans-Martin JÃ¤ck

List of Publications by Year
in descending order

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122	8,087	76326	58581
papers	citations	40	82
		h-index	g-index

133	133	133	15194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SARS-CoV-2 variants B.1.351 and P.1 escape from neutralizing antibodies. Cell, 2021, 184, 2384-2393.e12.	28.9	848
2	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
3	The Omicron variant is highly resistant against antibody-mediated neutralization: Implications for control of the COVID-19 pandemic. Cell, 2022, 185, 447-456.e11.	28.9	736
4	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
5	Extensive Immunoglobulin Production Sensitizes Myeloma Cells for Proteasome Inhibition. Cancer Research, 2007, 67, 1783-1792.	0.9	373
6	hUPF2 Silencing Identifies Physiologic Substrates of Mammalian Nonsense-Mediated mRNA Decay. Molecular and Cellular Biology, 2006, 26, 1272-1287.	2.3	212
7	SARS-CoV-2 variant B.1.617 is resistant to bamlanivimab and evades antibodies induced by infection and vaccination. Cell Reports, 2021, 36, 109415.	6.4	206
8	Circular DNA is a product of the immunoglobulin class switch rearrangement. Nature, 1990, 345, 452-456.	27.8	205
9	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). European Journal of Immunology, 2021, 51, 2708-3145.	2.9	198
10	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, 19296-19301.	7.1	171
11	Serum microRNAs as powerful cancer biomarkers. Biochimica Et Biophysica Acta: Reviews on Cancer, 2010, 1806, 200-207.	7.4	170
12	Preâ€“B cell receptorâ€“mediated cell cycle arrest in Philadelphia chromosomeâ€“positive acute lymphoblastic leukemia requires IKAROS function. Journal of Experimental Medicine, 2009, 206, 1739-1753.	8.5	120
13	Stages of Germinal Center Transit Are Defined by B Cell Transcription Factor Coexpression and Relative Abundance. Journal of Immunology, 2006, 177, 6930-6939.	0.8	119
14	A new staining protocol for detection of murine antibodyâ€secreting plasma cell subsets by flow cytometry. European Journal of Immunology, 2017, 47, 1389-1392.	2.9	112
15	BCL6 is critical for the development of a diverse primary B cell repertoire. Journal of Experimental Medicine, 2010, 207, 1209-1221.	8.5	108
16	Expression of BLIMP1/PRMT5and concurrent histone H2A/H4 arginine 3 dimethylation in fetal germ cells, CIS/IGCNU and germ cell tumors. BMC Developmental Biology, 2008, 8, 106.	2.1	107
17	Interaction of Murine Precursor B Cell Receptor with Stroma Cells Is Controlled by the Unique Tail of Î»5 and Stroma Cell-Associated Heparan Sulfate. Journal of Immunology, 2003, 171, 2338-2348.	0.8	99
18	B cell homeostasis and plasma cell homing controlled by KrÃ¼ppel-like factor 2. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 710-715.	7.1	97

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19	The role of the miRâ€148/â€152 family in physiology and disease. European Journal of Immunology, 2017, 47, 2026-2038.	2.9	87
20	After shrinkage apoptotic cells expose internal membrane-derived epitopes on their plasma membranes. Cell Death and Differentiation, 2007, 14, 733-742.	11.2	77
21	SARS-CoV-2 mutations acquired in mink reduce antibody-mediated neutralization. Cell Reports, 2021, 35, 109017.	6.4	77
22	Lipid Rafts Associate with Intracellular B Cell Receptors and Exhibit a B Cell Stage-Specific Protein Composition. Journal of Immunology, 2005, 174, 3508-3517.	0.8	74
23	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.	6.4	73
24	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, 445-458.	2.2	72
25	miRâ€148a promotes plasma cell differentiation and targets the germinal center transcription factors Mitf and Bach2. European Journal of Immunology, 2015, 45, 1206-1215.	2.9	70
26	Cutting Edge: Signaling and Cell Surface Expression of a Î¼H Chain in the Absence of Î»5: A Paradigm Revisited. Journal of Immunology, 2003, 171, 3343-3347.	0.8	68
27	Essential control of early B-cell development by Mef2 transcription factors. Blood, 2016, 127, 572-581.	1.4	65
28	microRNAs in rheumatoid arthritis: midget RNAs with a giant impact. Annals of the Rheumatic Diseases, 2011, 70, i92-i96.	0.9	64
29	Surrogate Light Chain-Mediated Interaction of a Soluble Pre-B Cell Receptor with Adherent Cell Lines. Journal of Immunology, 2001, 167, 6403-6411.	0.8	61
30	Complement Activation in Kidneys of Patients With COVID-19. Frontiers in Immunology, 2020, 11, 594849.	4.8	58
31	Identification of YY1 sequences necessary for association with the nuclear matrix and for transcriptional repression functions. Journal of Cellular Biochemistry, 1998, 68, 484-499.	2.6	57
32	Swiprosin-1/EFhd2 Controls B Cell Receptor Signaling through the Assembly of the B Cell Receptor, Syk, and Phospholipase C Î³2 in Membrane Rafts. Journal of Immunology, 2010, 184, 3665-3676.	0.8	56
33	miRâ€148a is upregulated by Twist1 and Tâ€bet and promotes Th1â€cell survival by regulating the proapoptotic gene Bim. European Journal of Immunology, 2015, 45, 1192-1205.	2.9	56
34	Evidence of abortive plasma cell differentiation in Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma. Hematological Oncology, 2005, 23, 127-132.	1.7	55
35	Endothelial dysfunction contributes to severe COVID-19 in combination with dysregulated lymphocyte responses and cytokine networks. Signal Transduction and Targeted Therapy, 2021, 6, 418.	17.1	54
36	Translation affects immunoglobulin mRNA stability. European Journal of Immunology, 1989, 19, 843-847.	2.9	53

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37	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.	11.2	52
38	Human INT6/eIF3e is required for nonsenseâ€mediated mRNA decay. EMBO Reports, 2007, 8, 596-602.	4.5	49
39	Measurements of Mutation Rates in B Lymphocytes. Immunological Reviews, 1987, 96, 91-107.	6.0	48
40	HnRNP L and L-like cooperate in multiple-exon regulation of CD45 alternative splicing. Nucleic Acids Research, 2012, 40, 5666-5678.	14.5	45
41	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.	5.6	44
42	miRâ€9 enhances ILâ€2 production in activated human CD4⁺ T cells by repressing Blimpâ€1. European Journal of Immunology, 2012, 42, 2100-2108.	2.9	42
43	PcG recruitment by the YY1 REPO domain can be mediated by Yaf2. Journal of Cellular Biochemistry, 2010, 109, 478-486.	2.6	39
44	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, 20865-20870.	7.1	38
45	T-cell receptor diversity prevents T-cell lymphoma development. Leukemia, 2012, 26, 2499-2507.	7.2	38
46	Eosinophils are not essential for maintenance of murine plasma cells in the bone marrow. European Journal of Immunology, 2018, 48, 822-828.	2.9	38
47	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, 1394.	3.3	35
48	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. Immunity, 2021, 54, 2908-2921.e6.	14.3	35
49	YY1 Controls Immunoglobulin Class Switch Recombination and Nuclear Activation-Induced Deaminase Levels. Molecular and Cellular Biology, 2012, 32, 1542-1554.	2.3	34
50	A gene regulation system with four distinct expression levels. Journal of Gene Medicine, 2006, 8, 1037-1047.	2.8	31
51	Transcriptome analysis in primary B lymphoid precursors following induction of the pre-B cell receptor. Molecular Immunology, 2008, 45, 362-375.	2.2	31
52	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, 2232-2243.	14.5	28
53	Immunoglobulin Î¼ Heavy Chains Do Not Mediate Tyrosine Phosphorylation of IgÎ± from the ER-cis-Golgi. Journal of Immunology, 2003, 171, 3091-3101.	0.8	28
54	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, 833-844.	11.2	27

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55	A Unique Role for the Î»5 Nonimmunoglobulin Tail in Early B Lymphocyte Development. Journal of Immunology, 2008, 181, 3232-3242.	0.8	27
56	Selection of Ig Î¼ Heavy Chains by Complementarity-Determining Region 3 Length and Amino Acid Composition. Journal of Immunology, 2003, 171, 4663-4671.	0.8	26
57	VH Replacement Rescues Progenitor B Cells with Two Nonproductive VDJ Alleles. Journal of Immunology, 2006, 177, 7007-7014.	0.8	26
58	The pre-B cell receptor: turning autoreactivity into self-defense. Trends in Immunology, 2010, 31, 176-183.	6.8	26
59	KLF2â€“ A Negative Regulator of Pre-B Cell Clonal Expansion and B Cell Activation. PLoS ONE, 2014, 9, e97953.	2.5	26
60	Interleukinâ€36 receptor mediates the crosstalk between plasma cells and synovial fibroblasts. European Journal of Immunology, 2017, 47, 2101-2112.	2.9	26
61	Characterization of solubilized insulin receptors from rat liver microsomes. Existence of two receptor species with different binding properties. FEBS Journal, 1986, 154, 281-287.	0.2	25
62	Adjusting transgene expression levels in lymphocytes with a set of inducible promoters. Journal of Gene Medicine, 2010, 12, 501-515.	2.8	25
63	Regulation of Energy Metabolism during Early B Lymphocyte Development. International Journal of Molecular Sciences, 2018, 19, 2192.	4.1	25
64	YY1 Is Required for Germinal Center B Cell Development. PLoS ONE, 2016, 11, e0155311.	2.5	25
65	A pair of noncompeting neutralizing human monoclonal antibodies protecting from disease in a SARSâ€CoVâ€2 infection model. European Journal of Immunology, 2022, 52, 770-783.	2.9	24
66	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, 10644-10649.	7.1	23
67	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.	3.3	23
68	ImmunoglobulinÎ»Gene Rearrangement Can PrecedeÎºGene Rearrangement. Autoimmunity, 1990, 1, 53-57.	0.6	22
69	The microprocessor component, DGCR8, is essential for early Bâ€cell development in mice. European Journal of Immunology, 2016, 46, 2710-2718.	2.9	21
70	Roles of heavy and light chains in IgM polymerization.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4912-4916.	7.1	20
71	A colloidal silver stainingâ€“destaining method for precise assignment of immunoreactive spots in two-dimensional protein patterns. Analytical Biochemistry, 2002, 308, 381-387.	2.4	20
72	Three-dimensional modeling of a pre-B-cell receptor. Molecular Immunology, 2004, 40, 1263-1272.	2.2	18

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73	Lytic Epsteinâ€“Barr virus infection in epithelial cells but not in B-lymphocytes is dependent on Blimp1. Journal of General Virology, 2012, 93, 1059-1064.	2.9	18
74	LINE-1 Retroelements Complexed and Inhibited by Activation Induced Cytidine Deaminase. PLoS ONE, 2012, 7, e49358.	2.5	18
75	Contribution of micro<scp>RNA</scp> 24â€“3p and <scp>E</scp>rk1/2 to interleukinâ€6â€mediated plasma cell survival. European Journal of Immunology, 2013, 43, 3028-3037.	2.9	18
76	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.	3.8	18
77	Unraveling the mysteries of plasma cells. Advances in Immunology, 2020, 146, 57-107.	2.2	18
78	A different sort of Mott cell.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11688-11691.	7.1	17
79	A B220â€“, CD19â€“ population of B cells in the peripheral blood of quasimonoclonal mice. International Immunology, 2000, 12, 29-35.	4.0	17
80	Ig Î¼ Heavy Chains with V_H81X Variable Regions Do Not Associate with Î»5^a. Annals of the New York Academy of Sciences, 1995, 764, 39-42.	3.8	17
81	Swiprosinâ€1/EFhd2 limits germinal center responses and humoral type 2 immunity. European Journal of Immunology, 2014, 44, 3206-3219.	2.9	17
82	Equal transcription rates of productively and nonproductively rearranged immunoglobulin Î¼ heavy chain alleles in a pro-B cell line. Rna, 2009, 15, 1021-1028.	3.5	16
83	New Surprises from the Deep â€" The Family of Small Regulatory RNAs Increases. Scientific World Journal, The, 2010, 10, 1239-1243.	2.1	15
84	The Early Marginal Zone B Cell-Initiated T-Independent Type 2 Response Resists the Proteasome Inhibitor Bortezomib. Journal of Immunology, 2010, 185, 5637-5647.	0.8	14
85	The Impact of Hyperosmolality on Activation and Differentiation of B Lymphoid Cells. Frontiers in Immunology, 2019, 10, 828.	4.8	14
86	CtBP levels control intergenic transcripts, PHO/YY1 DNA binding, and PcG recruitment to DNA. Journal of Cellular Biochemistry, 2010, 110, 62-69.	2.6	13
87	Ig Heavy Chain Promotes Mature B Cell Survival in the Absence of Light Chain. Journal of Immunology, 2007, 179, 1659-1668.	0.8	12
88	Towards the Generation of B-Cell Receptor Retrogenic Mice. PLoS ONE, 2014, 9, e109199.	2.5	12
89	APOBEC3 enzymes restrict marginal zone B cells. European Journal of Immunology, 2015, 45, 695-704.	2.9	12
90	YY1 controls EÎ¼-3â€²RR DNA loop formation and immunoglobulin heavy chain class switch recombination. Blood Advances, 2016, 1, 15-20.	5.2	12

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91	miRNA meets plasma cells â€œHow tiny RNAs control antibody responsesâ€• Clinical Immunology, 2018, 186, 3-8.	3.2	12
92	Construction and expression of a soluble form of human CD30 ligand with functional activity. Journal of Leukocyte Biology, 1998, 63, 752-757.	3.3	11
93	A facile method to increase titers of miRNAâ€•encoding retroviruses by inhibition of the RNaseIII enzyme Drosha. European Journal of Immunology, 2011, 41, 549-551.	2.9	11
94	miRâ€•148a controls metabolic programming and survival of mature CD19â€•negative plasma cells in mice. European Journal of Immunology, 2021, 51, 1089-1109.	2.9	11
95	TFG is required for autophagy flux and to prevent endoplasmic reticulum stress in CH12 B lymphoma cells. Autophagy, 2021, 17, 2238-2256.	9.1	10
96	Augmented neutralization of SARSâ€•CoVâ€•2 Omicron variant by boost vaccination and monoclonal antibodies. European Journal of Immunology, 2022, 52, 970-977.	2.9	10
97	Cycloheximide, a New Tool to Dissect Specific Steps in ER-Associated Degradation of Different Substrates. Biological Chemistry, 1999, 380, 669-77.	2.5	9
98	Monoclonal Antibodies to Discriminate the EF Hand Containing Calcium Binding Adaptor Proteins EFhd1 and EFhd2. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2013, 32, 237-245.	1.6	9
99	Proteome profiling suggests a proâ€•inflammatory role for plasma cells through release of highâ€•mobility group box 1 protein. Proteomics, 2011, 11, 1228-1237.	2.2	8
100	Network- and systems-based re-engineering of dendritic cells with non-coding RNAs for cancer immunotherapy. Theranostics, 2021, 11, 1412-1428.	10.0	8
101	Singleâ€•cell resolution of plasma cell fate programming in health and disease. European Journal of Immunology, 2022, 52, 10-23.	2.9	8
102	YY1 control of mitochondrialâ€•related genes does not account for regulation of immunoglobulin class switch recombination in mice. European Journal of Immunology, 2020, 50, 822-838.	2.9	7
103	A Barcoded Flow Cytometric Assay to Explore the Antibody Responses Against SARS-CoV-2 Spike and Its Variants. Frontiers in Immunology, 2021, 12, 730766.	4.8	7
104	No evidence for increased cell entry or antibody evasion by Delta sublineage AY.4.2. Cellular and Molecular Immunology, 2022, 19, 449-452.	10.5	7
105	Two Forms of Activation-Induced Cytidine Deaminase Differing in Their Ability to Bind Agarose. PLoS ONE, 2010, 5, e8883.	2.5	6
106	TRPC1 transcript variants, inefficient nonsense-mediated decay and low up-frameshift-1 in vascular smooth muscle cells. BMC Molecular Biology, 2011, 12, 30.	3.0	6
107	Transcription factor YY1 can control AIDâ€•mediated mutagenesis in mice. European Journal of Immunology, 2018, 48, 273-282.	2.9	5
108	KrÃ¼ppel-like factor 2 controls IgA plasma cell compartmentalization and IgA responses. Mucosal Immunology, 2022, 15, 668-682.	6.0	5

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109	IRF4 deficiency vulnerates B-cell progeny for leukemogenesis via somatically acquired Jak3 mutations conferring IL-7 hypersensitivity. Cell Death and Differentiation, 2022, 29, 2163-2176.	11.2	5
110	CD44 is dispensable for B lymphopoiesis. Immunology Letters, 2004, 95, 71-75.	2.5	4
111	Prolonged Ex vivo expansion and differentiation of naÃ¯ve murine CD43^â B splenocytes. Biotechnology Progress, 2016, 32, 978-989.	2.6	4
112	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.	0.4	3
113	A surrogate cellâ€based SARSâ€CoVâ€2 spike blocking assay. European Journal of Immunology, 2021, 51, 2665-2676.	2.9	3
114	Genomic suppression of murine B29/Ig-Î² promoter-driven transgenes. European Journal of Immunology, 2006, 36, 3324-3333.	2.9	2
115	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.	2.7	2
116	Interleukin-12 Activates Interferon-? Production by Targeted Activation of CD30+T cells. Annals of the New York Academy of Sciences, 1996, 795, 127-136.	3.8	1
117	The pre-B cell receptor and its ligands â€“ it takes two to tango. Signal Transduction, 2007, 7, 299-310.	0.4	1
118	The origin of signals predicating life and development of B cell precursors: Inside out or outside in?. Seminars in Immunology, 2006, 18, 1.	5.6	0
119	Identifying Substrates of mRNA Decay Factors by a Combined RNA Interference and DNA Microarray Approach. Methods in Enzymology, 2008, 449, 263-294.	1.0	0
120	MicroRNAs and Biomarker Discovery. , 2013, , 379-392.		0
121	DGCR8 deficiency impairs macrophage growth and unleashes the interferon response to mycobacteria. Life Science Alliance, 2021, 4, e202000810.	2.8	0
122	Efficient antibody evasion but reduced ACE2 binding by the emerging SARS-CoV-2 variant B.1.640.2. , 2022, , .		0