

Thomas Herrmann

List of Publications by Year in descending order

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77
papers

3,179
citations

186209

28
h-index

161767

54
g-index

80
all docs

80
docs citations

80
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	Key implication of CD277/butyrophilin-3 (BTN3A) in cellular stress sensing by a major human $\hat{V}\hat{\beta}\hat{1}$ T-cell subset. <i>Blood</i> , 2012, 120, 2269-2279.	0.6	443
2	Activation of $\hat{V}\hat{\beta}\hat{9}\hat{V}\hat{\gamma}2$ T Cells by NKG2D. <i>Journal of Immunology</i> , 2005, 175, 2144-2151.	0.4	282
3	Normal clonal expansion but impaired Fas-mediated cell death and anergy induction in interleukin-2-deficient mice. <i>European Journal of Immunology</i> , 1995, 25, 2572-2577.	1.6	220
4	Butyrophilin-2A1 Directly Binds Germline-Encoded Regions of the $\hat{V}\hat{\beta}\hat{9}\hat{V}\hat{\gamma}2$ TCR and Is Essential for Phosphoantigen Sensing. <i>Immunity</i> , 2020, 52, 487-498.e6.	6.6	164
5	The Heat Shock Protein HSP70 Promotes Mouse NK Cell Activity against Tumors That Express Inducible NKG2D Ligands. <i>Journal of Immunology</i> , 2007, 179, 5523-5533.	0.4	128
6	Different staphylococcal enterotoxins bind preferentially to distinct major histocompatibility complex class II isotypes. <i>European Journal of Immunology</i> , 1989, 19, 2171-2174.	1.6	124
7	In vivo responses of CD4 ⁺ and CD8 ⁺ cells to bacterial superantigens. <i>European Journal of Immunology</i> , 1992, 22, 1935-1938.	1.6	108
8	The Tumorigenicity of Mouse Embryonic Stem Cells and In Vitro Differentiated Neuronal Cells Is Controlled by the Recipients' Immune Response. <i>PLoS ONE</i> , 2008, 3, e2622.	1.1	94
9	Reduced Expression of the Mevalonate Pathway Enzyme Farnesyl Pyrophosphate Synthase Unveils Recognition of Tumor Cells by $\hat{V}\hat{\beta}\hat{9}\hat{V}\hat{\gamma}2$ T Cells. <i>Journal of Immunology</i> , 2009, 182, 8118-8124.	0.4	90
10	Inhibition of phosphoantigen-mediated $\hat{V}\hat{\beta}\hat{1}$ T cell proliferation by CD4 ⁺ CD25 ⁺ FoxP3 ⁺ regulatory T cells. <i>Immunology</i> , 2009, 126, 256-267.	2.0	78
11	$\hat{V}\hat{\beta}\hat{9}\hat{V}\hat{\gamma}2$ TCR activation by phosphorylated antigens requires butyrophilin 3 A1 (BTN3A1) and additional genes on human chromosome 6. <i>European Journal of Immunology</i> , 2014, 44, 2571-2576.	1.6	71
12	Peripheral T-Cell Reactivity to Bacterial Superantigens in vivo: The Response/Anergy Paradox. <i>Immunological Reviews</i> , 1993, 133, 105-117.	2.8	67
13	Polyinosinic-polycytidylic acid-mediated stimulation of human $\gamma\delta$ T cells via CD11c ⁺ dendritic cell-derived type I interferons. <i>Immunology</i> , 2004, 112, 369-377.	2.0	65
14	$\hat{V}\hat{\beta}\hat{9}$ and $\hat{V}\hat{\gamma}2$ T cell antigen receptor genes and butyrophilin 3 (BTN3) emerged with placental mammals and are concomitantly preserved in selected species like alpaca (<i>Vicugna pacos</i>). <i>Immunogenetics</i> , 2014, 66, 243-254.	1.2	58
15	Structure Analysis of Bone Morphogenetic Protein-2 Type I Receptor Complexes Reveals a Mechanism of Receptor Inactivation in Juvenile Polyposis Syndrome. <i>Journal of Biological Chemistry</i> , 2008, 283, 5876-5887.	1.6	51
16	Synergistic targeting of breast cancer stem-like cells by human $\hat{V}\hat{\beta}\hat{1}$ T cells and CD8 ⁺ T cells. <i>Immunology and Cell Biology</i> , 2017, 95, 620-629.	1.0	51
17	Human major histocompatibility complex class II-negative colon carcinoma cells present staphylococcal superantigens to cytotoxic T lymphocytes: evidence for a novel enterotoxin receptor. <i>European Journal of Immunology</i> , 1991, 21, 1229-1233.	1.6	49
18	The Mouse High Affinity IL 2 Receptor Complex. <i>Immunobiology</i> , 1987, 175, 145-158.	0.8	47

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19	Butyrophilin 3A (BTN3A, CD277)â€specific antibody 20.1 differentially activates VÎ³9VÎ²2 TCR clonotypes and interferes with phosphoantigen activation. <i>European Journal of Immunology</i> , 2017, 47, 982-992.	1.6	47
20	An Update on the Molecular Basis of Phosphoantigen Recognition by VÎ³9VÎ²2 T Cells. <i>Cells</i> , 2020, 9, 1433.	1.8	45
21	BTN2A1, an immune checkpoint targeting VÎ³9VÎ²2 T cell cytotoxicity against malignant cells. <i>Cell Reports</i> , 2021, 36, 109359.	2.9	44
22	Enhanced Glucocorticoid Receptor Signaling in T Cells Impacts Thymocyte Apoptosis and Adaptive Immune Responses. <i>American Journal of Pathology</i> , 2007, 170, 1041-1053.	1.9	43
23	The VÃŽÃ³9VÃŽÃ²2 T Cell Antigen Receptor and Butyrophilin-3 A1: Models of Interaction, the Possibility of Co-Evolution, and the Case of Dendritic Epidermal T Cells. <i>Frontiers in Immunology</i> , 2014, 5, 648.	2.2	42
24	The endogenous danger signals HSP70 and MICA cooperate in the activation of cytotoxic effector functions of NK cells. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 992-1002.	1.6	36
25	Demonstration of two distinct forms of released low-affinity type interleukin 2 receptors. <i>European Journal of Immunology</i> , 1988, 18, 1855-1858.	1.6	35
26	The Complementarity Determining Region 2 of BV8S2 (VÎ²8.2) Contributes to Antigen Recognition by Rat Invariant NKT Cell TCR. <i>Journal of Immunology</i> , 2006, 176, 7447-7455.	0.4	34
27	The human intermediate-affinity interleukin 2 receptor consists of two distinct, partially homologous glycoproteins. <i>European Journal of Immunology</i> , 1988, 18, 1051-1057.	1.6	32
28	Prevention of Type 1 Diabetes in the Rat With an Allele-Specific Antiâ€T-Cell Receptor Antibody. <i>Diabetes</i> , 2012, 61, 1160-1168.	0.3	31
29	The CD8 T cell response to staphylococcal enterotoxins. <i>Seminars in Immunology</i> , 1993, 5, 33-39.	2.7	30
30	The canonical T cell receptor of dendritic epidermal Î³Î² T cells is highly conserved between rats and mice. <i>European Journal of Immunology</i> , 1996, 26, 3092-3097.	1.6	26
31	Alpaca (<i>Vicugna pacos</i>), the first nonprimate species with a phosphoantigen-reactive VÎ³9VÎ²2 T cell subset. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6697-6707.	3.3	26
32	Different manifestations of <i>Toxoplasma gondii</i> infection in F344 and LEW rats. <i>Medical Microbiology and Immunology</i> , 1999, 187, 137-142.	2.6	24
33	B7-H1-Deficiency Enhances the Potential of Tolerogenic Dendritic Cells by Activating CD1d-Restricted Type II NKT Cells. <i>PLoS ONE</i> , 2010, 5, e10800.	1.1	24
34	The high affinity interleukin 2 receptor: Evidence for three distinct polypeptide chains comprising the high affinity interleukin 2 receptor. <i>Molecular Immunology</i> , 1988, 25, 1201-1207.	1.0	23
35	Thymic development and repertoire selection: the rat perspective. <i>Immunological Reviews</i> , 2001, 184, 7-19.	2.8	22
36	Differential effect of acute and permanent heat shock protein 70 overexpression in tumor cells on lysability by cytotoxic T lymphocytes. <i>Cancer Research</i> , 2003, 63, 8212-20.	0.4	22

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37	Preferential TCR V usage in rat repertoire selection: V β 8 imparts both positive thymic selection by and alloreactivity to RT1f. <i>International Immunology</i> , 1994, 6, 1367-1373.	1.8	21
38	CD8+ T cell help is required for efficient induction of EAE in Lewis rats. <i>Journal of Neuroimmunology</i> , 2013, 260, 17-27.	1.1	20
39	A glance over the fence: Using phylogeny and species comparison for a better understanding of antigen recognition by human I β T cells. <i>Immunological Reviews</i> , 2020, 298, 218-236.	2.8	20
40	The viral superantigen Mls-1a induces interferon- β secretion by specifically primed CD8+ cells but fails to trigger cytotoxicity. <i>European Journal of Immunology</i> , 1992, 22, 2789-2793.	1.6	19
41	Contrasting contributions of complementarity-determining region 2 and hypervariable region 4 of rat BV8S2+ (V β 8.2) TCR to the recognition of myelin basic protein and different types of bacterial superantigens. <i>International Immunology</i> , 2004, 16, 655-663.	1.8	19
42	Regulation of Human I β T Cells by BTN3A1 Protein Stability and ATP-Binding Cassette Transporters. <i>Frontiers in Immunology</i> , 2018, 9, 662.	2.2	18
43	Heterogeneity of T-cell receptor usage in experimental autoimmune neuritis in the Lewis rat. <i>Brain</i> , 1999, 122, 523-535.	3.7	16
44	Direct identification of rat iNKT cells reveals remarkable similarities to human iNKT cells and a profound deficiency in LEW rats. <i>European Journal of Immunology</i> , 2013, 43, 404-415.	1.6	16
45	TCR repertoire analysis reveals phosphoantigen-induced polyclonal proliferation of V β 9V β 2 T cells in neonates and adults. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1023-1032.	1.5	16
46	CD1d Expression in Paneth Cells and Rat Exocrine Pancreas Revealed by Novel Monoclonal Antibodies Which Differentially Affect NKT Cell Activation. <i>PLoS ONE</i> , 2010, 5, e13089.	1.1	15
47	Butyrophilins: I β T Cell Receptor Ligands, Immunomodulators and More. <i>Frontiers in Immunology</i> , 2022, 13, 876493.	2.2	15
48	The intermediate-affinity interleukin (IL) 2 receptor expressed on <i>Theileria annulata</i> -infected cells comprises a single IL 2-binding protein. Partial characterization of bovine IL 2 receptors. <i>European Journal of Immunology</i> , 1989, 19, 1339-1342.	1.6	13
49	A polymorphism of the rat T-cell receptor I β -chain variable gene 13 (BV13S1) correlates with the frequency of BV13S1-positive CD4 cells. <i>Immunogenetics</i> , 2000, 51, 296-305.	1.2	12
50	The Armadillo (<i>Dasypus novemcinctus</i>): A Witness but Not a Functional Example for the Emergence of the Butyrophilin 3/V β 9V β 2 System in Placental Mammals. <i>Frontiers in Immunology</i> , 2018, 9, 265.	2.2	12
51	The Forgotten: Identification and Functional Characterization of MHC Class II Molecules H2-Eb2 and RT1-Db2. <i>Journal of Immunology</i> , 2016, 196, 988-999.	0.4	11
52	High affinity IL-2 receptors on a Hodgkin's derived cell line. <i>Leukemia Research</i> , 1990, 14, 953-960.	0.4	10
53	Usage of v β 3.3 T-cell receptor by myelin basic protein-specific encephalitogenic T-cell lines in the Lewis rat. , 1999, 58, 214-225.		10
54	Editorial: Understanding Gamma Delta T Cell Multifunctionality - Towards Immunotherapeutic Applications. <i>Frontiers in Immunology</i> , 2020, 11, 921.	2.2	10

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55	Production of Listeria-specific rat T-cell clones and role of interleukin-2 receptors in regulation of Listeria-dependent T-cell clone growth in vitro. <i>Infection and Immunity</i> , 1985, 47, 822-826.	1.0	10
56	Control of TCR V alpha-mediated positive repertoire selection and alloreactivity by differential J alpha usage and CDR3 alpha composition. <i>International Immunology</i> , 1997, 9, 1441-1452.	1.8	9
57	Establishment of a vascular endothelial cell-reactive type II NKT cell clone from a rat model of autoimmune vasculitis. <i>International Immunology</i> , 2015, 27, 105-114.	1.8	9
58	Ablation of T cell immunity differentially influences tumor risk in inbred BD rat strains. <i>Cancer Immunology, Immunotherapy</i> , 2009, 58, 1287-1295.	2.0	7
59	Differential modulation of CD8beta by rat gammadelta and alphabeta T cells after activation. <i>Immunology</i> , 2001, 104, 252-258.	2.0	6
60	Tandem repeats modify the structure of the canine <i>CD1</i> gene. <i>Animal Genetics</i> , 2013, 44, 352-355.	0.6	6
61	Human-like Response of Pig T Cells to Superagonistic Anti-CD28 Monoclonal Antibodies. <i>Journal of Immunology</i> , 2021, 207, ji2100174.	0.4	6
62	Differential CD4/CD8 subset-specific expression of highly homologous rat <i>Tcrb-V8</i> family members suggests a role of CDR2 and/or CDR4 (HV4) in MHC class-specific thymic selection. <i>International Immunology</i> , 1999, 11, 435-444.	1.8	5
63	Expression of functional CD8 α β heterodimer on rat $\gamma\delta$ T cells does not correlate with the CDR3 length of the TCR γ chain predicted for MHC class I-restricted antigen recognition. <i>European Journal of Immunology</i> , 2000, 30, 3562-3568.	1.6	5
64	Characterization of a New Mouse Model for Peripheral T Cell Lymphoma in Humans. <i>PLoS ONE</i> , 2011, 6, e28546.	1.1	5
65	Modulation of experimental autoimmune encephalomyelitis by administration of cells expressing antigenic peptide covalently linked to MHC class II. <i>Journal of Neuroimmunology</i> , 2004, 152, 11-19.	1.1	4
66	Monovalent antibody scFv fragments selected to modulate T-cell activation by inhibition of CD8 α -CD28 interaction. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 91-98.	1.0	4
67	Superantigen presentation by rat major histocompatibility complex class II molecules RT1.B ^{sup} and RT1.D ^{sup} . <i>Immunology</i> , 2009, 128, e572-81.	2.0	4
68	The hypervariable region 4 (HV4) and position 93 of the β chain modulate CD1d-glycolipid binding of iNKT TCRs. <i>European Journal of Immunology</i> , 2015, 45, 2122-2133.	1.6	4
69	Function and expression of CD1d and invariant natural killer T cell receptor in the cotton rat (<i>Sigmodon hispidus</i>). <i>Immunology</i> , 2015, 146, 618-629.	2.0	4
70	Robust 8-color flow cytometry panel reveals enhanced effector function of NKG2C + CD57 + Fc γ R3 α NK cells in CMV seropositive human blood donors. <i>Immunobiology</i> , 2017, 222, 719-725.	0.8	4
71	A Photo-crosslinkable Biotin Derivative of the Phosphoantigen (E)-4-Hydroxy-3-Methylbut-2-Enyl Diphosphate (HMBPP) Activates $\gamma\delta$ T Cells and Binds to the HMBPP Site of BTN3A1. <i>Chemistry - A European Journal</i> , 2017, 23, 11945-11954.	1.7	4
72	Control of <i>Toxoplasma gondii</i> infection by athymic LEW-Whnhrnrats. <i>Parasite Immunology</i> , 2008, 30, 323-333.	0.7	3

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73	Species Specific Differences of CD1d Oligomer Loading In Vitro. PLoS ONE, 2015, 10, e0143449.	1.1	3
74	Immuno-antibiotics: targeting microbial metabolic pathways sensed by unconventional T cells. Immunotherapy Advances, 2021, 1, .	1.2	3
75	Analysis of the Iddm14 Rat Diabetes Susceptibility Locus in Multiple Rat Strains: Identification of a Susceptibility Haplotype in the Tcrb-V13 Gene and Prevention of Diabetes by Depletion of Vbeta13+ T Cells. Clinical Immunology, 2010, 135, S116.	1.4	0
76	Superantigens. , 2016, , 851-855.		0
77	Superantigens. , 0, , 614-619.		0