

# Ludger Klein

## List of Publications by Year in descending order

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63  
papers

14,655  
citations

76326

40  
h-index

128289

60  
g-index

63  
all docs

63  
docs citations

63  
times ranked

18473  
citing authors

#	ARTICLE	IF	CITATIONS
1	LAMP2 regulates autophagy in the thymic epithelium and thymic stroma-dependent CD4 T cell development. <i>Autophagy</i> , 2023, 19, 426-439.	9.1	12
2	Recollections of the discovery of promiscuous antigen expression in mTECs. <i>Nature Immunology</i> , 2020, 21, 1303-1305.	14.5	0
3	Toll-like receptor signaling in thymic epithelium controls monocyte-derived dendritic cell recruitment and Treg generation. <i>Nature Communications</i> , 2020, 11, 2361.	12.8	39
4	Reverse TCR repertoire evolution toward dominant low-affinity clones during chronic CMV infection. <i>Nature Immunology</i> , 2020, 21, 434-441.	14.5	85
5	Aire-expressing ILC3-like cells in the lymph node display potent APC features. <i>Journal of Experimental Medicine</i> , 2019, 216, 1027-1037.	8.5	55
6	Inventories of naive and tolerant mouse CD4 T cell repertoires reveal a hierarchy of deleted and diverted T cell receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18537-18543.	7.1	23
7	B cells latently infected with murine gammaherpesvirus 68 (MHV-68) are present in the mouse thymus—A step toward immune evasion?. <i>European Journal of Immunology</i> , 2019, 49, 351-352.	2.9	2
8	Central CD4+ T cell tolerance: deletion versus regulatory T cell differentiation. <i>Nature Reviews Immunology</i> , 2019, 19, 7-18.	22.7	159
9	Bruno Kyewski 1950–2018. <i>Nature Immunology</i> , 2018, 19, 509-509.	14.5	1
10	A novel conditional <i>Aire</i> allele enables cell-specific ablation of the immune tolerance regulator Aire. <i>European Journal of Immunology</i> , 2018, 48, 546-548.	2.9	8
11	Epitope-Specific Tolerance Modes Differentially Specify Susceptibility to Proteolipid Protein-Induced Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2017, 8, 1511.	4.8	10
12	Thymic CD4 T cell selection requires attenuation of March8-mediated MHCII turnover in cortical epithelial cells through CD83. <i>Journal of Experimental Medicine</i> , 2016, 213, 1685-1694.	8.5	72
13	Retrotransposon derepression leads to activation of the unfolded protein response and apoptosis in pro-B cells. <i>Development (Cambridge)</i> , 2016, 143, 1788-99.	2.5	22
14	Thymic B Cells and Central T Cell Tolerance. <i>Frontiers in Immunology</i> , 2015, 6, 376.	4.8	20
15	Thymic B Cells Are Licensed to Present Self Antigens for Central T Cell Tolerance Induction. <i>Immunity</i> , 2015, 42, 1048-1061.	14.3	201
16	Induced miR-99a expression represses <i>Mtor</i> cooperatively with miR-150 to promote regulatory T cell differentiation. <i>EMBO Journal</i> , 2015, 34, 1195-1213.	7.8	83
17	Aire Gets Company for Immune Tolerance. <i>Cell</i> , 2015, 163, 794-795.	28.9	29
18	Continuous T Cell Receptor Signals Maintain a Functional Regulatory T Cell Pool. <i>Immunity</i> , 2014, 41, 722-736.	14.3	262

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19	Positive and negative selection of the T cell repertoire: what thymocytes see (and don't see). <i>Nature Reviews Immunology</i> , 2014, 14, 377-391.	22.7	1,043
20	Macroautophagy substrates are loaded onto MHC class II of medullary thymic epithelial cells for central tolerance. <i>Journal of Experimental Medicine</i> , 2013, 210, 287-300.	8.5	139
21	Thymic epithelial cells use macroautophagy to turn their inside out for CD4 T cell tolerance. <i>Autophagy</i> , 2013, 9, 931-932.	9.1	7
22	Macroautophagy substrates are loaded onto MHC class II of medullary thymic epithelial cells for central tolerance. <i>Journal of Cell Biology</i> , 2013, 200, i8-i8.	5.2	0
23	Regulatory T Cell Differentiation: Turning Harmful into Useful. <i>Immunity</i> , 2012, 37, 441-443.	14.3	3
24	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
25	Probing gene function in thymic epithelial cells. <i>European Journal of Cell Biology</i> , 2012, 91, 24-30.	3.6	5
26	Autonomous versus dendritic cell-dependent contributions of medullary thymic epithelial cells to central tolerance. <i>Trends in Immunology</i> , 2011, 32, 188-193.	6.8	53
27	Regulatory T cell lineage commitment in the thymus. <i>Seminars in Immunology</i> , 2011, 23, 401-409.	5.6	45
28	B7/CD28 in Central Tolerance: Costimulation Promotes Maturation of Regulatory T Cell Precursors and Prevents Their Clonal Deletion. <i>Frontiers in Immunology</i> , 2011, 2, 30.	4.8	32
29	Regulatory T cell differentiation versus clonal deletion of autoreactive thymocytes. <i>Immunology and Cell Biology</i> , 2011, 89, 45-53.	2.3	78
30	Loss of Roquin induces early death and immune deregulation but not autoimmunity. <i>Journal of Experimental Medicine</i> , 2011, 208, 1749-1756.	8.5	88
31	Autophagy-mediated antigen processing in CD4 <sup>+</sup> T cell tolerance and immunity. <i>FEBS Letters</i> , 2010, 584, 1405-1410.	2.8	20
32	Autonomous role of medullary thymic epithelial cells in central CD4 <sup>+</sup> T cell tolerance. <i>Nature Immunology</i> , 2010, 11, 512-519.	14.5	216
33	Regulatory T cell differentiation of thymocytes does not require a dedicated antigen-presenting cell but is under T cell-intrinsic developmental control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10278-10283.	7.1	95
34	Macroautophagy, endogenous MHC II loading and T cell selection: the benefits of breaking the rules. <i>Current Opinion in Immunology</i> , 2009, 21, 92-97.	5.5	44
35	Dead man walking: how thymocytes scan the medulla. <i>Nature Immunology</i> , 2009, 10, 809-811.	14.5	20
36	Antigen presentation in the thymus for positive selection and central tolerance induction. <i>Nature Reviews Immunology</i> , 2009, 9, 833-844.	22.7	452

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37	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. <i>Nature</i> , 2008, 455, 396-400.	27.8	452
38	A novel role for autophagy in T cell education. <i>Autophagy</i> , 2008, 4, 1090-1092.	9.1	9
39	Autophagy and T-cell education in the thymus: Eat yourself to know yourself. <i>Cell Cycle</i> , 2008, 7, 3625-3628.	2.6	9
40	IL-2 Signaling and CD4+ CD25+ Regulatory T Cells. , 2008, , 77-89.		0
41	Selection of Foxp3+ regulatory T cells specific for self antigen expressed and presented by Aire+ medullary thymic epithelial cells. <i>Nature Immunology</i> , 2007, 8, 351-358.	14.5	513
42	A CENTRAL ROLE FOR CENTRAL TOLERANCE. <i>Annual Review of Immunology</i> , 2006, 24, 571-606.	21.8	631
43	Development and function of agonist-induced CD25+Foxp3+ regulatory T cells in the absence of interleukin 2 signaling. <i>Nature Immunology</i> , 2005, 6, 1152-1159.	14.5	419
44	Expression of a Natural Tumor Antigen by Thymic Epithelial Cells Impairs the Tumor-Protective CD4+ T-Cell Repertoire. <i>Cancer Research</i> , 2005, 65, 6443-6449.	0.9	55
45	Expression of the B7.1 Costimulatory Molecule on Pancreatic Î² Cells Abrogates the Requirement for CD4 T Cells in the Development of Type 1 Diabetes. <i>Journal of Immunology</i> , 2004, 173, 787-796.	0.8	13
46	Visualizing the course of antigen-specific CD8 and CD4 T cell responses to a growing tumor. <i>European Journal of Immunology</i> , 2003, 33, 806-814.	2.9	47
47	Thymic selection revisited: how essential is it?. <i>Immunological Reviews</i> , 2003, 191, 62-78.	6.0	176
48	<i>In vivo</i> dynamics of antigen-specific regulatory T cells not predicted from behavior <i>in vitro</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8886-8891.	7.1	359
49	Normal Incidence of Diabetes in NOD Mice Tolerant to Glutamic Acid Decarboxylase. <i>Journal of Experimental Medicine</i> , 2003, 197, 1635-1644.	8.5	84
50	Cutting Edge: Attenuated Experimental Autoimmune Encephalomyelitis in Eta-1/Osteopontin-Deficient Mice. <i>Journal of Immunology</i> , 2002, 168, 2096-2099.	0.8	169
51	Projection of an Immunological Self Shadow Within the Thymus by the Aire Protein. <i>Science</i> , 2002, 298, 1395-1401.	12.6	2,159
52	Promiscuous gene expression and central T-cell tolerance: more than meets the eye. <i>Trends in Immunology</i> , 2002, 23, 364-371.	6.8	180
53	Stabilization of Î²-catenin induces lesions reminiscent of prostatic intraepithelial neoplasia, but terminal squamous transdifferentiation of other secretory epithelia. <i>Oncogene</i> , 2002, 21, 4099-4107.	5.9	102
54	Response to 'Lymphoid organs contain diverse cells expressing self-molecules'. <i>Nature Immunology</i> , 2002, 3, 336-336.	14.5	3

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55	Origin of regulatory T cells with known specificity for antigen. <i>Nature Immunology</i> , 2002, 3, 756-763.	14.5	781
56	Sampling of complementing self-antigen pools by thymic stromal cells maximizes the scope of central T cell tolerance. <i>European Journal of Immunology</i> , 2001, 31, 2476-2486.	2.9	87
57	Promiscuous gene expression in medullary thymic epithelial cells mirrors the peripheral self. <i>Nature Immunology</i> , 2001, 2, 1032-1039.	14.5	933
58	Self-antigen presentation by thymic stromal cells: a subtle division of labor. <i>Current Opinion in Immunology</i> , 2000, 12, 179-186.	5.5	120
59	Shaping of the autoreactive T-cell repertoire by a splice variant of self protein expressed in thymic epithelial cells. <i>Nature Medicine</i> , 2000, 6, 56-61.	30.7	355
60	Promiscuous expression of tissue antigens in the thymus: a key to T-cell tolerance and autoimmunity?. <i>Journal of Molecular Medicine</i> , 2000, 78, 483-494.	3.9	92
61	CD4 T Cell Tolerance to Human C-reactive Protein, an Inducible Serum Protein, Is Mediated by Medullary Thymic Epithelium. <i>Journal of Experimental Medicine</i> , 1998, 188, 5-16.	8.5	151
62	Selection of a Broad Repertoire of CD4+ T Cells in H-2Ma0/0 Mice. <i>Immunity</i> , 1997, 7, 187-195.	14.3	115
63	BPF-1, a pathogen-induced DNA-binding protein involved in the plant defense response. <i>Plant Journal</i> , 1993, 4, 125-135.	5.7	96