Roland Liblau

List of Publications by Year
in descending order

89 papers	8,949 citations	31976 53 h-index	48315 88 g-index
94 all docs	94 docs citations	94 times ranked	11112 citing authors

#	Article	IF	Citations
1	Continuous Activation of Autoreactive CD4+ CD25+ Regulatory T Cells in the Steady State. Journal of Experimental Medicine, 2003, 198, 737-746.	8.5	470
2	ECTRIMS/EAN Guideline on the pharmacological treatment of people with multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 96-120.	3.0	458
3	Experimental autoimmune encephalomyelitis mobilizes neural progenitors from the subventricular zone to undergo oligodendrogenesis in adult mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13211-13216.	7.1	429
4	The compartmentalized inflammatory response in the multiple sclerosis brain is composed of tissue-resident CD8+ T lymphocytes and B cells. Brain, 2018, 141, 2066-2082.	7.6	368
5	Narcolepsy â€" clinical spectrum, aetiopathophysiology, diagnosis and treatment. Nature Reviews Neurology, 2019, 15, 519-539.	10.1	364
6	A role for non-MHC genetic polymorphism in susceptibility to spontaneous autoimmunity. Immunity, 1994, 1, 73-82.	14.3	342
7	The Roles of Fas/APO-1 (CD95) and TNF in Antigen-Induced Programmed Cell Death in T Cell Receptor Transgenic Mice. Immunity, 1996, 5, 17-30.	14.3	298
8	Enterocolitis induced by autoimmune targeting of enteric glial cells: A possible mechanism in Crohn's disease?. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13306-13311.	7.1	273
9	Chronic Tumor Necrosis Factor Alters T Cell Responses by Attenuating T Cell Receptor Signaling. Journal of Experimental Medicine, 1997, 185, 1573-1584.	8.5	268
10	Myeloid-Derived Suppressor Cells in Inflammatory Bowel Disease: A New Immunoregulatory Pathway. Gastroenterology, 2008, 135, 871-881.e5.	1.3	262
11	Identification of a novel natural regulatory CD8 T-cell subset and analysis of its mechanism of regulation. Blood, 2004, 104, 3294-3301.	1.4	180
12	Autoreactive CD8 T Cells in Organ-Specific Autoimmunity. Immunity, 2002, 17, 1-6.	14.3	178
13	Role of enteric glial cells in inflammatory bowel disease. Glia, 2003, 41, 81-93.	4.9	156
14	Cell-mediated autoimmunity in paraneoplastic neurological syndromes with anti-Hu antibodies. Annals of Neurology, 1999, 45, 162-167.	5.3	155
15	Hypocretin (orexin) biology and the pathophysiology of narcolepsy with cataplexy. Lancet Neurology, The, 2015, 14, 318-328.	10.2	152
16	From classic to spontaneous and humanized models of multiple sclerosis: Impact on understanding pathogenesis and drug development. Journal of Autoimmunity, 2014, 54, 33-50.	6.5	148
17	Induction of GAD65-specific regulatory T-cells inhibits ongoing autoimmune diabetes in nonobese diabetic mice. Diabetes, 1998, 47, 894-899.	0.6	144
18	Antigen-dependent and -independent Ca2+ Responses Triggered in T Cells by Dendritic Cells Compared with B Cells. Journal of Experimental Medicine, 1998, 188, 1473-1484.	8.5	139

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19	Inflammatory CNS disease caused by immune checkpoint inhibitors: status and perspectives. Nature Reviews Neurology, 2017, 13, 755-763.	10.1	139
20	Roles of lymphatic endothelial cells expressing peripheral tissue antigens in CD4 T-cell tolerance induction. Nature Communications, 2015, 6, 6771.	12.8	138
21	Frequent enrichment for CD8 T cells reactive against common herpes viruses in chronic inflammatory lesions: towards a reassessment of the physiopathological significance of T cell clonal expansions found in autoimmune inflammatory processes. European Journal of Immunology, 1999, 29, 973-985.	2.9	130
22	Myelin/oligodendrocyte glycoproteinâ€“deficient (MOG-deficient) mice reveal lack of immune tolerance to MOG in wild-type mice. Journal of Clinical Investigation, 2003, 112, 544-553.	8.2	126
23	Consensus nomenclature for CD8⁺T cell phenotypes in cancer. OncoImmunology, 2015, 4, e998538.	4.6	119
24	Disturbed regulatory T cell homeostasis in multiple sclerosis. Trends in Molecular Medicine, 2010, 16, 58-68.	6.7	118
25	Selective IgA Deficiency and Autoimmunity. International Archives of Allergy and Immunology, 1992, 99, 16-27.	2.1	114
26	Imaging antigen recognition by naive CD4+ T cells: compulsory cytoskeletal alterations for the triggering of an intracellular calcium response. European Journal of Immunology, 1998, 28, 716-729.	2.9	114
27	CCR5 blockade for neuroinflammatory diseases â€" beyond control of HIV. Nature Reviews Neurology, 2016, 12, 95-105.	10.1	109
28	Systemic Autoimmune Features and Multiple Sclerosis. Archives of Neurology, 1998, 55, 517.	4.5	108
29	Innate and adaptive immune responses in the CNS. Lancet Neurology, The, 2015, 14, 945-955.	10.2	107
30	Effective and selective immune surveillance of the brain by MHC class I-restricted cytotoxic T lymphocytes. European Journal of Immunology, 2003, 33, 1174-1182.	2.9	106
31	CD8 T cell-mediated killing of orexinergic neurons induces a narcolepsy-like phenotype in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10956-10961.	7.1	106
32	Oxidative tissue injury in multiple sclerosis is only partly reflected in experimental disease models. Acta Neuropathologica, 2014, 128, 247-266.	7.7	103
33	Environmental modifiable risk factors for multiple sclerosis: Report from the 2016 ECTRIMS focused workshop. Multiple Sclerosis Journal, 2018, 24, 590-603.	3.0	101
34	Experimental autoimmune encephalomyelitis in IL-4-deficient mice. International Immunology, 1997, 9, 799-803.	4.0	95
35	CTLA4 blockade elicits paraneoplastic neurological disease in a mouse model. Brain, 2016, 139, 2923-2934.	7.6	93
36	Thymus-Derived Regulatory T Cells Are Positively Selected on Natural Self-Antigen through Cognate Interactions of High Functional Avidity. Immunity, 2016, 44, 1114-1126.	14.3	89

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37	Neurons as targets for T cells in the nervous system. Trends in Neurosciences, 2013, 36, 315-324.	8.6	88
38	CD8+ T cell-mediated endotheliopathy is a targetable mechanism of neuro-inflammation in Susac syndrome. Nature Communications, 2019, 10, 5779.	12.8	87
39	Cell-cell cooperation at the T helper cell/mast cell immunological synapse. Blood, 2009, 114, 4979-4988.	1.4	85
40	Systemic antigen in the treatment of T-cell-mediated autoimmune diseases. Trends in Immunology, 1997, 18, 599-604.	7.5	84
41	Mast cells: new targets for multiple sclerosis therapy?. Journal of Neuroimmunology, 2002, 131, 5-20.	2.3	81
42	Neurons are MHC Class I-Dependent Targets for CD8 T Cells upon Neurotropic Viral Infection. PLoS Pathogens, 2011, 7, e1002393.	4.7	76
43	Immunopathogenesis of paraneoplastic neurological syndromes associated with anti-Hu antibodies. OncoImmunology, 2013, 2, e27384.	4.6	76
44	Unique Effects of KIT D816V in BaF3 Cells: Induction of Cluster Formation, Histamine Synthesis, and Early Mast Cell Differentiation Antigens. Journal of Immunology, 2008, 180, 5466-5476.	0.8	75
45	Treatment of Progressive Multifocal Leukoencephalopathy with Nivolumab. New England Journal of Medicine, 2019, 380, 1674-1676.	27.0	75
46	Hypothalamic Immunopathology in Anti-Maâ€“Associated Diencephalitis With Narcolepsy-Cataplexy. JAMA Neurology, 2013, 70, 1305-10.	9.0	73
47	Narcolepsy-Associated HLA Class I Alleles Implicate Cell-Mediated Cytotoxicity. Sleep, 2016, 39, 581-587.	1.1	66
48	Role of astrocytes in antigen presentation and naive T-cell activation. Journal of Neuroimmunology, 2000, 106, 69-77.	2.3	65
49	Autoimmune-Mediated Intestinal Inflammationâ€“Impact and Regulation of Antigen-Specific CD8+ T Cells. Gastroenterology, 2006, 131, 510-524.	1.3	65
50	Prevention of diabetes in NOD mice by a mutated I-Ab transgene. Diabetes, 1998, 47, 1570-1577.	0.6	62
51	Quality Assurance for Cerebrospinal Fluid Protein Analysis: International Consensus by an Internet-Based Group Discussion. Clinical Chemistry and Laboratory Medicine, 2003, 41, 331-7.	2.3	62
52	Rapamycin inhibits growth and survival of D816V-mutated c-kit mast cells. Blood, 2006, 108, 1065-1072.	1.4	62
53	Role of CD8 T cell subsets in the pathogenesis of multiple sclerosis. FEBS Letters, 2011, 585, 3758-3763.	2.8	60
54	Sustained calcium signalling and caspase-3 activation involve NMDA receptors in thymocytes in contact with dendritic cells. Cell Death and Differentiation, 2011, 18, 99-108.	11.2	48

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55	Visualizing the course of antigen-specific CD8 and CD4 T cell responses to a growing tumor. European Journal of Immunology, 2003, 33, 806-814.	2.9	47
56	Migration of encephalitogenic CD8 TÂcells into the central nervous system is dependent on the Î±4Î²1â€integrin. European Journal of Immunology, 2015, 45, 3302-3312.	2.9	47
57	Regulatory T cells in the control of inflammatory demyelinating diseases of the central nervous system. Current Opinion in Neurology, 2008, 21, 248-254.	3.6	46
58	Cytokines in genetic susceptibility to multiple sclerosis: a candidate gene approach. Journal of Neuroimmunology, 2000, 102, 107-112.	2.3	45
59	Therapeutic potential of self-antigen-specific CD4+CD25+ regulatory T cells selectedin vitro from a polyclonal repertoire. European Journal of Immunology, 2006, 36, 817-827.	2.9	45
60	Pathogenesis of the immune reconstitution inflammatory syndrome in HIV-infected patients. Current Opinion in Infectious Diseases, 2012, 25, 312-320.	3.1	45
61	Schwann cell transplantation and myelin repair of the CNS. Multiple Sclerosis Journal, 1997, 3, 157-161.	3.0	42
62	Role of co-stimulation in CD8+ T cell activation. International Immunology, 1998, 10, 619-630.	4.0	41
63	Aggressive multiple sclerosis (1): Towards a definition of the phenotype. Multiple Sclerosis Journal, 2020, 26, 1031-1044.	3.0	39
64	CD4+ T cell mediated intestinal immunity: chronic inflammation versus immune regulation. Gut, 2005, 54, 60-69.	12.1	37
65	Narcolepsy Type 1 Is Associated with a Systemic Increase and Activation of Regulatory T Cells and with a Systemic Activation of Global T Cells. PLoS ONE, 2017, 12, e0169836.	2.5	36
66	Tissue-resident CD8 ⁺ T cells drive compartmentalized and chronic autoimmune damage against CNS neurons. Science Translational Medicine, 2022, 14, eabl6157.	12.4	35
67	Immunological Bases of Paraneoplastic Cerebellar Degeneration and Therapeutic Implications. Frontiers in Immunology, 2020, 11, 991.	4.8	34
68	Glatiramer acetate for the treatment of multiple sclerosis: evidence for a dual anti-inflammatory and neuroprotective role. Journal of the Neurological Sciences, 2009, 287, S17-S23.	0.6	29
69	Narcolepsy Type 1 as an Autoimmune Disorder: Evidence, and Implications for Pharmacological Treatment. CNS Drugs, 2017, 31, 821-834.	5.9	29
70	Sotrovimab to prevent severe COVID-19 in high-risk patients infected with Omicron BA.2. Journal of Infection, 2022, 85, e104-e108.	3.3	29
71	CD80+ and CD86+B cells as biomarkers and possible therapeutic targets in HTLV-1 associated myelopathy/tropical spastic paraparesis and multiple sclerosis. Journal of Neuroinflammation, 2014, 11, 18.	7.2	25
72	Systemic Administration of Agonist Peptide Blocks the Progression of Spontaneous CD8-Mediated Autoimmune Diabetes in Transgenic Mice Without Bystander Damage. Journal of Immunology, 2000, 165, 202-210.	0.8	24

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73	Neurons and TÂcells: Understanding this interaction for inflammatory neurological diseases. European Journal of Immunology, 2015, 45, 2712-2720.	2.9	24
74	Aggressive multiple sclerosis (2): Treatment. Multiple Sclerosis Journal, 2020, 26, 1045-1063.	3.0	21
75	CD4+ and CD8+ T cells are both needed to induce paraneoplastic neurological disease in a mouse model. OncoImmunology, 2017, 6, e1260212.	4.6	18
76	Treatment of experimental autoimmune encephalomyelitis with engineered bi-specific Foxp3+ regulatory CD4+ T cells. Journal of Autoimmunity, 2020, 108, 102401.	6.5	16
77	Outcome of very high-risk patients treated by Sotrovimab for mild-to-moderate COVID-19 Omicron, a prospective cohort study (the ANRS 0003S COCOPREV study). Journal of Infection, 2022, 84, e101-e104.	3.3	15
78	Antigen-Driven Interactions with Dendritic Cells and Expansion of Foxp3+ Regulatory T Cells Occur in the Absence of Inflammatory Signals. Journal of Immunology, 2008, 180, 327-334.	0.8	13
79	IFN-Î³ is a therapeutic target in paraneoplastic cerebellar degeneration. JCI Insight, 2019, 4, .	5.0	13
80	Influenza vaccination induces autoimmunity against orexinergic neurons in a mouse model for narcolepsy. Brain, 2022, 145, 2018-2030.	7.6	13
81	Enrichment of antigen-specific T lymphocytes by panning on immobilized MHCâ€“peptide complexes. Immunology Letters, 1997, 59, 85-91.	2.5	11
82	Fundamental mechanistic insights from rare but paradigmatic neuroimmunological diseases. Nature Reviews Neurology, 2021, 17, 433-447.	10.1	9
83	Circulating follicular helper T cells exhibit reduced ICOS expression and impaired function in narcolepsy type 1 patients. Journal of Autoimmunity, 2018, 94, 134-142.	6.5	8
84	Delayed and Separate Costimulation In Vitro Supports the Evidence of a Transient â€œExcitedâ€•State of CD8+ T Cells During Activation. Journal of Immunology, 2000, 164, 4493-4499.	0.8	6
85	Histamine in murine narcolepsy: What do genetic and immune models tell us?. Brain Pathology, 2022, 32, e13027.	4.1	5
86	Cumulative Autoimmunity: T Cell Clones Recognizing Several Self-Epitopes Exhibit Enhanced Pathogenicity. Frontiers in Immunology, 2011, 2, 47.	4.8	4
87	Neuronal plasticity induced in the enteric nervous system by immune targeting of glia in trangenic mice. Gastroenterology, 2003, 124, A74.	1.3	2
88	Cell-mediated autoimmunity in paraneoplastic neurological syndromes with anti-Hu antibodies. , 1999, 45, 162.		1
89	Toward identification of personalized immunological profiles in multiple sclerosis. Science Advances, 2022, 8, eabq4849.	10.3	1