Thomas Korn

List of Publications by Year
in descending order

88 papers	25,866 citations	44066 48 h-index	53222 85 g-index
90 all docs	90 docs citations	90 times ranked	30615 citing authors

#	Article	IF	Citations
1	Reciprocal developmental pathways for the generation of pathogenic effector TH17 and regulatory T cells. Nature, 2006, 441, 235-238.	27.8	6,365
2	IL-17 and Th17 Cells. Annual Review of Immunology, 2009, 27, 485-517.	21.8	4,231
3	IL-21 initiates an alternative pathway to induce proinflammatory TH17 cells. Nature, 2007, 448, 484-487.	27.8	1,650
4	Control of Treg and TH17 cell differentiation by the aryl hydrocarbon receptor. Nature, 2008, 453, 65-71.	27.8	1,544
5	Interleukin-17 and Type 17 Helper T Cells. New England Journal of Medicine, 2009, 361, 888-898.	27.0	1,285
6	Analysis of immune-related loci identifies 48 new susceptibility variants for multiple sclerosis. Nature Genetics, 2013, 45, 1353-1360.	21.4	1,213
7	Induction and effector functions of TH17 cells. Nature, 2008, 453, 1051-1057.	27.8	1,091
8	Myelin-specific regulatory T cells accumulate in the CNS but fail to control autoimmune inflammation. Nature Medicine, 2007, 13, 423-431.	30.7	747
9	Th17: the third member of the effector T cell trilogy. Current Opinion in Immunology, 2007, 19, 652-657.	5.5	553
10	IL-6 controls Th17 immunity in vivo by inhibiting the conversion of conventional T cells into Foxp3⁺regulatory T cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18460-18465.	7.1	471
11	Proinflammatory T helper type 17 cells are effective B-cell helpers. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14292-14297.	7.1	430
12	Th17 cells: Effector T cells with inflammatory properties. Seminars in Immunology, 2007, 19, 362-371.	5.6	384
13	Neutralization of the IL-17 axis diminishes neutrophil invasion and protects from ischemic stroke. Blood, 2012, 120, 3793-3802.	1.4	374
14	Role of Th1 and Th17 cells in organ-specific autoimmunity. Journal of Autoimmunity, 2008, 31, 252-256.	6.5	371
15	Cutting Edge: IL-23 Receptor GFP Reporter Mice Reveal Distinct Populations of IL-17-Producing Cells. Journal of Immunology, 2009, 182, 5904-5908.	0.8	334
16	Potassium Channel KIR4.1 as an Immune Target in Multiple Sclerosis. New England Journal of Medicine, 2012, 367, 115-123.	27.0	314
17	Î³Î´ T Cells Enhance Autoimmunity by Restraining Regulatory T Cell Responses via an Interleukin-23-Dependent Mechanism. Immunity, 2010, 33, 351-363.	14.3	246
18	Th17 lymphocytes traffic to the central nervous system independently of Î±4 integrin expression during EAE. Journal of Experimental Medicine, 2011, 208, 2465-2476.	8.5	241

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19	CCL17-expressing dendritic cells drive atherosclerosis by restraining regulatory T cell homeostasis in mice. Journal of Clinical Investigation, 2011, 121, 2898-2910.	8.2	223
20	CXCL13 is the major determinant for B cell recruitment to the CSF during neuroinflammation. Journal of Neuroinflammation, 2012, 9, 93.	7.2	190
21	Dendritic Cells Ameliorate Autoimmunity in the CNS by Controlling the Homeostasis of PD-1 Receptor+ Regulatory T Cells. Immunity, 2012, 37, 264-275.	14.3	184
22	Cell-type-specific profiling of brain mitochondria reveals functional and molecular diversity. Nature Neuroscience, 2019, 22, 1731-1742.	14.8	181
23	Brain-resident memory T cells represent an autonomous cytotoxic barrier to viral infection. Journal of Experimental Medicine, 2016, 213, 1571-1587.	8.5	162
24	Microglial Expression of the B7 Family Member B7 Homolog 1 Confers Strong Immune Inhibition: Implications for Immune Responses and Autoimmunity in the CNS. Journal of Neuroscience, 2005, 25, 2537-2546.	3.6	150
25	Regulatory myeloid cells paralyze T cells through cellâ€“cell transfer of the metabolite methylglyoxal. Nature Immunology, 2020, 21, 555-566.	14.5	147
26	Differential effects of fingolimod (FTY720) on immune cells in the CSF and blood of patients with MS. Neurology, 2011, 76, 1214-1221.	1.1	146
27	Pathophysiology of multiple sclerosis. Journal of Neurology, 2008, 255, 2-6.	3.6	131
28	Immune mechanisms of new therapeutic strategies in MS â€" Teriflunomide. Clinical Immunology, 2012, 142, 49-56.	3.2	120
29	Differential engagement of Tim-1 during activation can positively or negatively costimulate T cell expansion and effector function. Journal of Experimental Medicine, 2007, 204, 1691-1702.	8.5	117
30	Cytokines and effector T cell subsets causing autoimmune CNS disease. FEBS Letters, 2011, 585, 3747-3757.	2.8	113
31	Autoantigen specific T cells inhibit glutamate uptake in astrocytes by decreasing expression of astrocytic glutamate transporter GLAST: a mechanism mediated by tumor necrosis factorâ€±. FASEB Journal, 2005, 19, 1878-1880.	0.5	106
32	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. Neurology, 2021, 97, 68-79.	1.1	96
33	Antigen Targeting to Plasmacytoid Dendritic Cells via Siglec-H Inhibits Th Cell-Dependent Autoimmunity. Journal of Immunology, 2011, 187, 6346-6356.	0.8	95
34	Modulation of effector cell functions in experimental autoimmune encephalomyelitis by leflunomide-mechanisms independent of pyrimidine depletion. Journal of Leukocyte Biology, 2004, 76, 950-960.	3.3	94
35	Blimp1 Prevents Methylation of Foxp3 and Loss of Regulatory T Cell Identity at Sites of Inflammation. Cell Reports, 2019, 26, 1854-1868.e5.	6.4	91
36	Repositioning TH cell polarization from single cytokines to complex help. Nature Immunology, 2021, 22, 1210-1217.	14.5	91

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37	Myeloid-derived suppressor cells control B cell accumulation in the central nervous system during autoimmunity. Nature Immunology, 2018, 19, 1341-1351.	14.5	82
38	IL-17A Production by Renal Î³Î´ T Cells Promotes Kidney Injury in Crescentic GN. Journal of the American Society of Nephrology: JASN, 2012, 23, 1486-1495.	6.1	78
39	Evidence that nucleocytoplasmic Olig2 translocation mediates brain-injury-induced differentiation of glial precursors to astrocytes. Journal of Neuroscience Research, 2007, 85, 2126-2137.	2.9	75
40	The dynamics of effector T cells and Foxp3+ regulatory T cells in the promotion and regulation of autoimmune encephalomyelitis. Journal of Neuroimmunology, 2007, 191, 51-60.	2.3	75
41	Th17 cells in central nervous system autoimmunity. Experimental Neurology, 2014, 262, 18-27.	4.1	74
42	Optical coherence tomography indicates disease activity prior to clinical onset of central nervous system demyelination. Multiple Sclerosis Journal, 2016, 22, 893-900.	3.0	74
43	Enriched CD161^{high}CCR6⁺Î³Î´ T Cells in the Cerebrospinal Fluid of Patients With Multiple Sclerosis. JAMA Neurology, 2013, 70, 345.	9.0	69
44	Immunology of neuromyelitis optica: a T cellâ€“B cell collaboration. Annals of the New York Academy of Sciences, 2013, 1283, 57-66.	3.8	64
45	Active Immunization with Amyloid-Î² 1â€“42 Impairs Memory Performance through TLR2/4-Dependent Activation of the Innate Immune System. Journal of Immunology, 2010, 185, 6338-6347.	0.8	61
46	Development and function of interleukin 17â€“producing Î³Î´ T cells. Annals of the New York Academy of Sciences, 2012, 1247, 34-45.	3.8	56
47	Functional Characterization of Aquaporin-4 Specific T Cells: Towards a Model for Neuromyelitis Optica. PLoS ONE, 2011, 6, e16083.	2.5	54
48	Expression of miRNAs miR-133b and miR-206 in the Il17a/f Locus Is Co-Regulated with IL-17 Production in Î±Î² and Î³Î´ T Cells. PLoS ONE, 2011, 6, e20171.	2.5	53
49	IL-1Î² and IL-23 Promote Extrathymic Commitment of CD27+CD122â^' Î³Î´ T Cells to Î³ÎT17 Cells. Journal of Immunology, 2017, 199, 2668-2679.	0.8	51
50	Neutralizing IL-17 protects the optic nerve from autoimmune pathology and prevents retinal nerve fiber layer atrophy during experimental autoimmune encephalomyelitis. Journal of Autoimmunity, 2015, 56, 34-44.	6.5	46
51	Brain-resident memory T cells generated early in life predispose to autoimmune disease in mice. Science Translational Medicine, 2019, 11, .	12.4	45
52	Unlike Î±Î² <scp>T</scp> cells, Î³Î´ <scp>T</scp> cells, <scp>LT</scp>i cells and <scp>NKT</scp> cells do not require <scp>IRF</scp>4 for the production of <scp>IL</scp>â€17A and <scp>IL</scp>â€22. European Journal of Immunology, 2012, 42, 3189-3201.	2.9	42
53	Salt generates antiinflammatory Th17 cells but amplifies pathogenicity in proinflammatory cytokine microenvironments. Journal of Clinical Investigation, 2020, 130, 4587-4600.	8.2	42
54	Anti-thymocyte globulin (ATG) prevents autoimmune encephalomyelitis by expanding myelin antigen-specific Foxp3+ regulatory T cells. International Immunology, 2007, 19, 1003-1010.	4.0	36

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55	¹⁸F-FDG PET Detects Inflammatory Infiltrates in Spinal Cord Experimental Autoimmune Encephalomyelitis Lesions. Journal of Nuclear Medicine, 2012, 53, 1269-1276.	5.0	36
56	Dendritic cells in central nervous system autoimmunity. Seminars in Immunopathology, 2017, 39, 99-111.	6.1	35
57	TNF-Î±â€“dependent loss of IKKÎ²-deficient myeloid progenitors triggers a cytokine loop culminating in granulocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6567-6572.	7.1	34
58	Skin and gut imprinted helper T cell subsets exhibit distinct functional phenotypes in central nervous system autoimmunity. Nature Immunology, 2021, 22, 880-892.	14.5	34
59	Immunological Basis for the Development of Tissue Inflammation and Organ-Specific Autoimmunity in Animal Models of Multiple Sclerosis. Results and Problems in Cell Differentiation, 2009, 51, 43-74.	0.7	28
60	The Plasma Membrane-associated Protein RS1 Decreases Transcription of the Transporter SGLT1 in Confluent LLC-PK1 Cells. Journal of Biological Chemistry, 2001, 276, 45330-45340.	3.4	26
61	Î±4-integrins control viral meningoencephalitis through differential recruitment of T helper cell subsets. Acta Neuropathologica Communications, 2014, 2, 27.	5.2	25
62	Cloning and characterization of the transport modifier RS1 from rabbit which was previously assumed to be specific for Na+-d-glucose cotransport. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1417, 131-143.	2.6	24
63	Biphasic form of experimental autoimmune neuritis in dark agouti rats and its oral therapy by antigenâ€specific tolerization. Journal of Neuroscience Research, 2004, 75, 524-535.	2.9	22
64	Inner retinal layer thinning in radiologically isolated syndrome predicts conversion to multiple sclerosis. European Journal of Neurology, 2020, 27, 2217-2224.	3.3	21
65	Deletional tolerance prevents AQP4â€directed autoimmunity in mice. European Journal of Immunology, 2017, 47, 458-469.	2.9	19
66	RelB Deficiency in Dendritic Cells Protects from Autoimmune Inflammation Due to Spontaneous Accumulation of Tissue T Regulatory Cells. Journal of Immunology, 2019, 203, 2602-2613.	0.8	17
67	Impaired Volitional Closure of the Left Eyelid After Right Anterior Cerebral Artery Infarction. Archives of Neurology, 2004, 61, 273.	4.5	15
68	Formation and immunomodulatory function of meningeal B cell aggregatesÂin progressive CNS autoimmunity. Brain, 2021, 144, 1697-1710.	7.6	15
69	Vav1-deficient mice are resistant to MOG-induced experimental autoimmune encephalomyelitis due to impaired antigen priming. Journal of Neuroimmunology, 2003, 139, 17-26.	2.3	14
70	Aryl Hydrocarbon Receptor Plasma Agonist Activity Correlates With Disease Activity in Progressive MS. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	14
71	Dynamics of antigen-specific regulatory T-cells in the context of autoimmunity. Seminars in Immunology, 2007, 19, 272-278.	5.6	13
72	Dynamics of Retinal Vessel Loss After Acute Optic Neuritis in Patients With Relapsing Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	6.0	13

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73	Interleukin-23 receptor expressing Î³Î´ T cells locally promote early atherosclerotic lesion formation and plaque necrosis in mice. Cardiovascular Research, 2022, 118, 2932-2945.	3.8	13
74	How T cells take developmental decisions by using the aryl hydrocarbon receptor to sense the environment. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20597-20598.	7.1	12
75	Chronically stimulated microglial cells do no longer alter their immune functions in response to the phagocytosis of apoptotic cells. Journal of Neuroimmunology, 2004, 155, 64-72.	2.3	10
76	Interaction with antigen-specific T cells regulates expression of the lactate transporter MCT1 in primary rat astrocytes: Specific link between immunity and homeostasis. Glia, 2005, 49, 73-83.	4.9	10
77	Lipooligosaccharide of Campylobacter jejuni prevents myelin-specific enteral tolerance to autoimmune neuritisâ€"a potential mechanism in Guillain-BarrÃ© syndrome?. Neuroscience Letters, 2005, 381, 175-178.	2.1	9
78	Aquaporin-4 prevents exaggerated astrocytosis and structural damage in retinal inflammation. Journal of Molecular Medicine, 2022, 100, 933-946.	3.9	9
79	Autoimmune Modulation of Astrocyte-Mediated Homeostasis. NeuroMolecular Medicine, 2007, 9, 1-16.	3.4	7
80	Dendritic Cell Accumulation in the Gut and Central Nervous System Is Differentially Dependent on Î±4 Integrins. Journal of Immunology, 2019, 203, 1417-1427.	0.8	7
81	Cutting Edge: IL-6â€"Driven Immune Dysregulation Is Strictly Dependent on IL-6R Î±-Chain Expression. Journal of Immunology, 2020, 204, 747-751.	0.8	5
82	Keratinocyte-intrinsic BCL10/MALT1 activity initiates and amplifies psoriasiform skin inflammation. Science Immunology, 2021, 6, eabi4425.	11.9	5
83	Patterns of intrathecal autoreactive antibodies in MS using antigen microarrays. Neurology, 2012, 78, 522-523.	1.1	3
84	Reply to â€˜Comment on: Repositioning TH cell polarization from single cytokines to complex helpâ€™. Nature Immunology, 2022, 23, 503-504.	14.5	1
85	CNS Treg cells have alternative functions but run on conventional fuel. Nature Immunology, 2022, 23, 818-819.	14.5	1
86	Which type of inflammation can be controlled by Foxp3+ Tregs?. Acta Neuropathologica, 2013, 126, 523-524.	7.7	0
87	Multiple sclerosis: is it all black and white in optical coherence tomography?. Brain, 2018, 141, 3088-3091.	7.6	0
88	Stars Are Not in Outer Space: Astrocytes Respond to Environmental Cues. Cell, 2019, 176, 416-418.	28.9	0