

Benjamin M. Segal

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2829018/benjamin-m-segal-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

5,023
citations

39
h-index

70
g-index

98
ext. papers

5,835
ext. citations

7.4
avg, IF

5.97
L-index

#	Paper	IF	Citations
89	IL-12- and IL-23-modulated T cells induce distinct types of EAE based on histology, CNS chemokine profile, and response to cytokine inhibition. <i>Journal of Experimental Medicine</i> , 2008 , 205, 1535-41	16.6	472
88	An interleukin (IL)-10/IL-12 immunoregulatory circuit controls susceptibility to autoimmune disease. <i>Journal of Experimental Medicine</i> , 1998 , 187, 537-46	16.6	385
87	Repeated subcutaneous injections of IL12/23 p40 neutralising antibody, ustekinumab, in patients with relapsing-remitting multiple sclerosis: a phase II, double-blind, placebo-controlled, randomised, dose-ranging study. <i>Lancet Neurology</i> , 2008 , 7, 796-804	24.1	382
86	Circulating Ly-6C+ myeloid precursors migrate to the CNS and play a pathogenic role during autoimmune demyelinating disease. <i>Blood</i> , 2009 , 113, 3190-7	2.2	325
85	Increased rejection of primary tumors in mice lacking B cells: inhibition of anti-tumor CTL and TH1 cytokine responses by B cells. <i>International Journal of Cancer</i> , 2005 , 117, 574-86	7.5	172
84	GM-CSF-dependent, CD103+ dermal dendritic cells play a critical role in Th effector cell differentiation after subcutaneous immunization. <i>Journal of Experimental Medicine</i> , 2010 , 207, 953-61	16.6	153
83	Neutrophil-related factors as biomarkers in EAE and MS. <i>Journal of Experimental Medicine</i> , 2015 , 212, 23-35	16.6	149
82	CpG oligonucleotides are potent adjuvants for the activation of autoreactive encephalitogenic T cells in vivo. <i>Journal of Immunology</i> , 2000 , 164, 5683-8	5.3	142
81	Activation of APCs through CD40 or Toll-like receptor 9 overcomes tolerance and precipitates autoimmune disease. <i>Journal of Immunology</i> , 2002 , 169, 2781-7	5.3	131
80	The costimulatory effect of IL-18 on the induction of antigen-specific IFN-gamma production by resting T cells is IL-12 dependent and is mediated by up-regulation of the IL-12 receptor beta2 subunit. <i>European Journal of Immunology</i> , 2000 , 30, 1113-9	6.1	126
79	T(H)17 cytokines in autoimmune neuro-inflammation. <i>Current Opinion in Immunology</i> , 2011 , 23, 707-12	7.8	116
78	Treatment of CNS sarcoidosis with infliximab and mycophenolate mofetil. <i>Neurology</i> , 2009 , 72, 337-40	6.5	104
77	CXC chemokine ligand 13 plays a role in experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2006 , 176, 7676-85	5.3	88
76	Regulation of interleukin (IL)-12 receptor beta2 subunit expression by endogenous IL-12: a critical step in the differentiation of pathogenic autoreactive T cells. <i>Journal of Experimental Medicine</i> , 1999 , 189, 969-78	16.6	87
75	EAE mediated by a non-IFN- γ /non-IL-17 pathway. <i>European Journal of Immunology</i> , 2010 , 40, 2340-8	6.1	83
74	Sleep-disordered breathing in multiple sclerosis. <i>Neurology</i> , 2012 , 79, 929-36	6.5	82
73	Neuroinflammation triggered by β -glucan/dectin-1 signaling enables CNS axon regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2581-6	11.5	81

72	Th17 cells in autoimmune demyelinating disease. <i>Seminars in Immunopathology</i> , 2010 , 32, 71-7	12	80
71	Cutting edge: IL-12 induces CD4+CD25- T cell activation in the presence of T regulatory cells. <i>Journal of Immunology</i> , 2005 , 175, 641-5	5.3	80
70	Cutting Edge: IL-10-producing CD4+ T cells mediate tumor rejection. <i>Journal of Immunology</i> , 2002 , 168, 1-4	5.3	72
69	Obstructive sleep apnea and fatigue in patients with multiple sclerosis. <i>Journal of Clinical Sleep Medicine</i> , 2014 , 10, 155-62	3.1	68
68	Cutting edge: CNS CD11c+ cells from mice with encephalomyelitis polarize Th17 cells and support CD25+CD4+ T cell-mediated immunosuppression, suggesting dual roles in the disease process. <i>Journal of Immunology</i> , 2007 , 178, 6695-9	5.3	65
67	Lymphoid chemokines in the CNS. <i>Journal of Neuroimmunology</i> , 2010 , 224, 56-61	3.5	60
66	Speaking out about gender imbalance in invited speakers improves diversity. <i>Nature Immunology</i> , 2017 , 18, 475-478	19.1	54
65	Neurosarcoidosis: diagnostic approaches and therapeutic strategies. <i>Current Opinion in Neurology</i> , 2013 , 26, 307-13	7.1	54
64	Experimental autoimmune encephalomyelitis: cytokines, effector T cells, and antigen-presenting cells in a prototypical Th1-mediated autoimmune disease. <i>Current Allergy and Asthma Reports</i> , 2003 , 3, 86-93	5.6	53
63	The lymphoid chemokine, CXCL13, is dispensable for the initial recruitment of B cells to the acutely inflamed central nervous system. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 922-31	16.6	50
62	The dual roles of immunity in ALS: injury overrides protection. <i>Neurobiology of Disease</i> , 2015 , 77, 1-12	7.5	49
61	An emerging role for eotaxins in neurodegenerative disease. <i>Clinical Immunology</i> , 2018 , 189, 29-33	9	49
60	Th Cell Diversity in Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis. <i>Journal of Immunology</i> , 2015 , 195, 2552-9	5.3	47
59	CD4 T Cells Orchestrate Lethal Immune Pathology despite Fungal Clearance during Meningoencephalitis. <i>MBio</i> , 2017 , 8,	7.8	46
58	IL-12-polarized Th1 cells produce GM-CSF and induce EAE independent of IL-23. <i>European Journal of Immunology</i> , 2015 , 45, 2780-6	6.1	45
57	A new neutrophil subset promotes CNS neuron survival and axon regeneration. <i>Nature Immunology</i> , 2020 , 21, 1496-1505	19.1	45
56	Role of costimulation in the induction of the IL-12/IL-12 receptor pathway and the development of autoimmunity. <i>Journal of Immunology</i> , 2000 , 164, 100-6	5.3	43
55	The role of natural killer cells in curbing neuroinflammation. <i>Journal of Neuroimmunology</i> , 2007 , 191, 2-7	3.5	42

54	Highly polarized Th17 cells induce EAE via a T-bet independent mechanism. <i>European Journal of Immunology</i> , 2013 , 43, 2824-31	6.1	41
53	CNS-resident classical DCs play a critical role in CNS autoimmune disease. <i>Journal of Clinical Investigation</i> , 2018 , 128, 5322-5334	15.9	41
52	Dysregulation of the IL-23/IL-17 axis and myeloid factors in secondary progressive MS. <i>Neurology</i> , 2014 , 83, 1500-7	6.5	40
51	Site-specific chemokine expression regulates central nervous system inflammation and determines clinical phenotype in autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2014 , 193, 564-70	5.3	40
50	Effect of Template Reporting of Brain MRIs for Multiple Sclerosis on Report Thoroughness and Neurologist-Rated Quality: Results of a Prospective Quality Improvement Project. <i>Journal of the American College of Radiology</i> , 2017 , 14, 371-379.e1	3.5	39
49	Th17 and Th1 responses directed against the immunizing epitope, as opposed to secondary epitopes, dominate the autoimmune repertoire during relapses of experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience Research</i> , 2007 , 85, 1685-93	4.4	37
48	IL-23 modulated myelin-specific T cells induce EAE via an IFN γ -driven, IL-17 independent pathway. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 932-7	16.6	33
47	Myeloid cell plasticity in the evolution of central nervous system autoimmunity. <i>Annals of Neurology</i> , 2018 , 83, 131-141	9.4	32
46	IL-12 dependent/IFN gamma independent expression of CCR5 by myelin-reactive T cells correlates with encephalitogenicity. <i>Journal of Neuroimmunology</i> , 2003 , 137, 109-16	3.5	32
45	Experimental allergic encephalomyelitis induced by the peptide encoded by exon 2 of the MBP gene, a peptide implicated in remyelination. <i>Journal of Neuroimmunology</i> , 1994 , 51, 7-19	3.5	32
44	The critical role of IL-12 and the IL-12R beta 2 subunit in the generation of pathogenic autoreactive Th1 cells. <i>Seminars in Immunopathology</i> , 1999 , 21, 249-62		30
43	GM-CSF Promotes Chronic Disability in Experimental Autoimmune Encephalomyelitis by Altering the Composition of Central Nervous System-Infiltrating Cells, but Is Dispensable for Disease Induction. <i>Journal of Immunology</i> , 2018 , 200, 966-973	5.3	29
42	Notch signaling regulates T cell accumulation and function in the central nervous system during experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2013 , 191, 1606-13	5.3	29
41	The landscape of myeloid and astrocyte phenotypes in acute multiple sclerosis lesions. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 130	7.3	27
40	Stage-specific immune dysregulation in multiple sclerosis. <i>Journal of Interferon and Cytokine Research</i> , 2014 , 34, 633-40	3.5	27
39	IL-12 driven upregulation of P-selectin ligand on myelin-specific T cells is a critical step in an animal model of autoimmune demyelination. <i>Journal of Neuroimmunology</i> , 2006 , 173, 35-44	3.5	27
38	The Diversity of Encephalitogenic CD4+ T Cells in Multiple Sclerosis and Its Animal Models. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	25
37	CNS chemokines, cytokines, and dendritic cells in autoimmune demyelination. <i>Journal of the Neurological Sciences</i> , 2005 , 228, 210-4	3.2	25

36	Fatigue, tiredness, lack of energy, and sleepiness in multiple sclerosis patients referred for clinical polysomnography. <i>Multiple Sclerosis International</i> , 2012 , 2012, 673936	1.1	24
35	Analysis of the immune response to sciatic nerve injury identifies efferocytosis as a key mechanism of nerve debridement. <i>ELife</i> , 2020 , 9,	8.9	24
34	Hypnotic use and fatigue in multiple sclerosis. <i>Sleep Medicine</i> , 2015 , 16, 131-7	4.6	22
33	Mature myelin maintenance requires Qki to coactivate PPAR α -mediated lipid metabolism. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2220-2236	15.9	22
32	Antibodies to the RNA-binding protein hnRNP A1 contribute to neurodegeneration in a model of central nervous system autoimmune inflammatory disease. <i>Journal of Neuroinflammation</i> , 2016 , 13, 178	10.1	21
31	Th1-mediated experimental autoimmune encephalomyelitis is CXCR3 independent. <i>European Journal of Immunology</i> , 2013 , 43, 2866-74	6.1	19
30	Experimental autoimmune encephalomyelitis. <i>Methods in Molecular Biology</i> , 2012 , 900, 363-80	1.4	19
29	CXCL13 promotes isotype-switched B cell accumulation to the central nervous system during viral encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2016 , 54, 128-139	16.6	17
28	Progressive decline in fractional anisotropy on serial DTI examinations of the corpus callosum: a putative marker of disease activity and progression in SPMS. <i>Neuroradiology</i> , 2012 , 54, 287-97	3.2	16
27	The critical role of IL-12 and the IL-12R β subunit in the generation of pathogenic autoreactive Th1 cells. <i>Seminars in Immunopathology</i> , 1999 , 21, 249-262		15
26	An IFN γ /CXCL2 regulatory pathway determines lesion localization during EAE. <i>Journal of Neuroinflammation</i> , 2018 , 15, 208	10.1	12
25	Neutrophils promote VLA-4-dependent B cell antigen presentation and accumulation within the meninges during neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24221-24230	11.5	12
24	A randomized, subject and rater-blinded, placebo-controlled trial of dimethyl fumarate for obstructive sleep apnea. <i>Sleep</i> , 2018 , 41,	1.1	12
23	Primary progressive multiple sclerosis--why we are failing. <i>Lancet, The</i> , 2016 , 387, 1032-1034	4.0	9
22	Obstructive sleep apnea is an under-recognized and consequential morbidity in multiple sclerosis. <i>Journal of Clinical Sleep Medicine</i> , 2014 , 10, 709-10	3.1	8
21	Encephalitogenic and Regulatory CD8 T Cells in Multiple Sclerosis and Its Animal Models. <i>Journal of Immunology</i> , 2021 , 206, 3-10	5.3	8
20	MAdCAM-1-Mediated Intestinal Lymphocyte Homing Is Critical for the Development of Active Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2019 , 10, 903	8.4	7
19	Experimental autoimmune encephalomyelitis. <i>Methods in Molecular Medicine</i> , 2004 , 102, 363-75		7

18	Clinical trials in multiple sclerosis: potential future trial designs. <i>Therapeutic Advances in Neurological Disorders</i> , 2019 , 12, 1756286419847095	6.6	6
17	Americas Committee for Treatment and Research in Multiple Sclerosis Forum 2017: Environmental factors, genetics, and epigenetics in MS susceptibility and clinical course. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 4-5	5	6
16	Stable biomarker for plastic microglia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3130-2	11.5	6
15	B-cell targeting agents in the treatment of multiple sclerosis. <i>Current Treatment Options in Neurology</i> , 2013 , 15, 259-69	4.4	6
14	Underrecognition of sleep disorders in patients with multiple sclerosis. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 81	3.1	6
13	In vitro polarization of T-helper cells. <i>Methods in Molecular Biology</i> , 2014 , 1193, 105-13	1.4	5
12	T-bet promotes the accumulation of encephalitogenic Th17 cells in the CNS. <i>Journal of Neuroimmunology</i> , 2017 , 304, 35-39	3.5	4
11	IL-12/IL-23p40 Is Highly Expressed in Secondary Lymphoid Organs and the CNS during All Stages of EAE, but Its Deletion Does Not Affect Disease Perpetuation. <i>PLoS ONE</i> , 2016 , 11, e0165248	3.7	4
10	The unwavering commitment of regulatory T cells in the suppression of autoimmune encephalomyelitis: another aspect of immune privilege in the CNS. <i>European Journal of Immunology</i> , 2012 , 42, 1102-5	6.1	3
9	Differences in diffusion tensor imaging-derived metrics in the corpus callosum of patients with multiple sclerosis without and with gadolinium-enhancing cerebral lesions. <i>Journal of Computer Assisted Tomography</i> , 2012 , 36, 410-5	2.2	3
8	Virus-induced CD8+ T cells accelerate the onset of experimental autoimmune encephalomyelitis: implications for how viral infections might trigger multiple sclerosis exacerbations. <i>Journal of Neuroimmunology</i> , 2013 , 259, 47-54	3.5	2
7	Getting to the crux of the matter: IL-23 and Th17 cell accumulation in the CNS. <i>European Journal of Immunology</i> , 2009 , 39, 1713-5	6.1	2
6	Enhancing natural killer cells is beneficial in multiple sclerosis - Commentary. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 513-514	5	2
5	Multiple sclerosis relapse risk in the postoperative period: Effects of invasive surgery and anesthesia. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1437-1440	5	2
4	The landscape of myeloid and astrocyte phenotypes in acute multiple sclerosis lesions		1
3	The costimulatory effect of IL-18 on the induction of antigen-specific IFN- γ production by resting T cells is IL-12 dependent and is mediated by up-regulation of the IL-12 receptor β subunit 2000 , 30, 1113		1
2	Neutralizing antibody responses against SARS-CoV-2 in vaccinated people with multiple sclerosis.. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2022 , 8, 20552173221087357	2	1
1	The 2020 FASEB Science Research Conference on Translational Neuroimmunology: From Mechanisms to Therapeutics, June 29-30, 2020. <i>FASEB Journal</i> , 2020 , 34, 14064-14068	0.9	

