Benjamin M. Segal

List of Publications by Year in Descending Order

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	Neutralizing antibody responses against SARS-CoV-2 in vaccinated people with multiple sclerosis.. *Multiple Sclerosis Journal - Experimental, Translational and Clinical*, **2022**, 8, 20552173221087357	2	1
88	Encephalitogenic and Regulatory CD8 T Cells in Multiple Sclerosis and Its Animal Models. *Journal of Immunology*, **2021**, 206, 3-10	5.3	8
87	Mature myelin maintenance requires Qki to coactivate PPARRXRmediated lipid metabolism. *Journal of Clinical Investigation*, **2020**, 130, 2220-2236	15.9	22
86	Analysis of the immune response to sciatic nerve injury identifies efferocytosis as a key mechanism of nerve debridement. *ELife*, **2020**, 9,	8.9	24
85	The 2020 FASEB Science Research Conference on Translational Neuroimmunology: From Mechanisms to Therapeutics, June 29-30, 2020. *FASEB Journal*, **2020**, 34, 14064-14068	0.9	
84	A new neutrophil subset promotes CNS neuron survival and axon regeneration. *Nature Immunology*, **2020**, 21, 1496-1505	19.1	45
83	Multiple sclerosis relapse risk in the postoperative period: Effects of invasive surgery and anesthesia. *Multiple Sclerosis Journal*, **2020**, 26, 1437-1440	5	2
82	The Diversity of Encephalitogenic CD4+ T Cells in Multiple Sclerosis and Its Animal Models. *Journal of Clinical Medicine*, **2019**, 8,	5.1	25
81	MAdCAM-1-Mediated Intestinal Lymphocyte Homing Is Critical for the Development of Active Experimental Autoimmune Encephalomyelitis. *Frontiers in Immunology*, **2019**, 10, 903	8.4	7
80	Clinical trials in multiple sclerosis: potential future trial designs. *Therapeutic Advances in Neurological Disorders*, **2019**, 12, 1756286419847095	6.6	6
79	The landscape of myeloid and astrocyte phenotypes in acute multiple sclerosis lesions. *Acta Neuropathologica Communications*, **2019**, 7, 130	7.3	27
78	Neutrophils promote VLA-4-dependent B cell antigen presentation and accumulation within the meninges during neuroinflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 24221-24230	11.5	12
77	Enhancing natural killer cells is beneficial in multiple sclerosis - Commentary. *Multiple Sclerosis Journal*, **2019**, 25, 513-514	5	2
76	Myeloid cell plasticity in the evolution of central nervous system autoimmunity. *Annals of Neurology*, **2018**, 83, 131-141	9.4	32
75	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. *Journal of Immunology*, **2018**, 200, 966-973	5.3	29
74	Americas Committee for Treatment and Research in Multiple Sclerosis Forum 2017: Environmental factors, genetics, and epigenetics in MS susceptibility and clinical course. *Multiple Sclerosis Journal*, **2018**, 24, 4-5	5	6
73	An emerging role for eotaxins in neurodegenerative disease. *Clinical Immunology*, **2018**, 189, 29-33	9	49

72	An IFN/CXCL2 regulatory pathway determines lesion localization during EAE. *Journal of Neuroinflammation*, **2018**, 15, 208	10.1	12
71	CNS-resident classical DCs play a critical role in CNS autoimmune disease. *Journal of Clinical Investigation*, **2018**, 128, 5322-5334	15.9	41
70	A randomized, subject and rater-blinded, placebo-controlled trial of dimethyl fumarate for obstructive sleep apnea. *Sleep*, **2018**, 41,	1.1	12
69	T-bet promotes the accumulation of encephalitogenic Th17 cells in the CNS. *Journal of Neuroimmunology*, **2017**, 304, 35-39	3.5	4
68	Speaking out about gender imbalance in invited speakers improves diversity. *Nature Immunology*, **2017**, 18, 475-478	19.1	54
67	Effect of Template Reporting of Brain MRIs for Multiple Sclerosis on Report Thoroughness and Neurologist-Rated Quality: Results of a Prospective Quality Improvement Project. *Journal of the American College of Radiology*, **2017**, 14, 371-379.e1	3.5	39
66	CD4 T Cells Orchestrate Lethal Immune Pathology despite Fungal Clearance during Meningoencephalitis. *MBio*, **2017**, 8,	7.8	46
65	Primary progressive multiple sclerosis--why we are failing. *Lancet, The*, **2016**, 387, 1032-1034	40	9
64	CXCL13 promotes isotype-switched B cell accumulation to the central nervous system during viral encephalomyelitis. *Brain, Behavior, and Immunity*, **2016**, 54, 128-139	16.6	17
63	Stable biomarker for plastic microglia. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3130-2	11.5	6
62	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. *PLoS ONE*, **2016**, 11, e0165248	3.7	4
61	Antibodies to the RNA-binding protein hnRNP A1 contribute to neurodegeneration in a model of central nervous system autoimmune inflammatory disease. *Journal of Neuroinflammation*, **2016**, 13, 178	10.1	21
60	Neuroinflammation triggered by glucan/dectin-1 signaling enables CNS axon regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2581-6	11.5	81
59	Th Cell Diversity in Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis. *Journal of Immunology*, **2015**, 195, 2552-9	5.3	47
58	The dual roles of immunity in ALS: injury overrides protection. *Neurobiology of Disease*, **2015**, 77, 1-12	7.5	49
57	IL-12-polarized Th1 cells produce GM-CSF and induce EAE independent of IL-23. *European Journal of Immunology*, **2015**, 45, 2780-6	6.1	45
56	Underrecognition of sleep disorders in patients with multiple sclerosis. *Journal of Clinical Sleep Medicine*, **2015**, 11, 81	3.1	6
55	Neutrophil-related factors as biomarkers in EAE and MS. *Journal of Experimental Medicine*, **2015**, 212, 23-35	16.6	149

54	Hypnotic use and fatigue in multiple sclerosis. *Sleep Medicine*, **2015**, 16, 131-7	4.6	22
53	Dysregulation of the IL-23/IL-17 axis and myeloid factors in secondary progressive MS. *Neurology*, **2014**, 83, 1500-7	6.5	40
52	Site-specific chemokine expression regulates central nervous system inflammation and determines clinical phenotype in autoimmune encephalomyelitis. *Journal of Immunology*, **2014**, 193, 564-70	5.3	40
51	Obstructive sleep apnea and fatigue in patients with multiple sclerosis. *Journal of Clinical Sleep Medicine*, **2014**, 10, 155-62	3.1	68
50	Stage-specific immune dysregulation in multiple sclerosis. *Journal of Interferon and Cytokine Research*, **2014**, 34, 633-40	3.5	27
49	Obstructive sleep apnea is an under-recognized and consequential morbidity in multiple sclerosis. *Journal of Clinical Sleep Medicine*, **2014**, 10, 709-10	3.1	8
48	In vitro polarization of T-helper cells. *Methods in Molecular Biology*, **2014**, 1193, 105-13	1.4	5
47	Th1-mediated experimental autoimmune encephalomyelitis is CXCR3 independent. *European Journal of Immunology*, **2013**, 43, 2866-74	6.1	19
46	Highly polarized Th17 cells induce EAE via a T-bet independent mechanism. *European Journal of Immunology*, **2013**, 43, 2824-31	6.1	41
45	B-cell targeting agents in the treatment of multiple sclerosis. *Current Treatment Options in Neurology*, **2013**, 15, 259-69	4.4	6
44	Virus-induced CD8+ T cells accelerate the onset of experimental autoimmune encephalomyelitis: implications for how viral infections might trigger multiple sclerosis exacerbations. *Journal of Neuroimmunology*, **2013**, 259, 47-54	3.5	2
43	Neurosarcoidosis: diagnostic approaches and therapeutic strategies. *Current Opinion in Neurology*, **2013**, 26, 307-13	7.1	54
42	Notch signaling regulates T cell accumulation and function in the central nervous system during experimental autoimmune encephalomyelitis. *Journal of Immunology*, **2013**, 191, 1606-13	5.3	29
41	Experimental autoimmune encephalomyelitis. *Methods in Molecular Biology*, **2012**, 900, 363-80	1.4	19
40	The unwavering commitment of regulatory T cells in the suppression of autoimmune encephalomyelitis: another aspect of immune privilege in the CNS. *European Journal of Immunology* , **2012**, 42, 1102-5	6.1	3
39	Progressive decline in fractional anisotropy on serial DTI examinations of the corpus callosum: a putative marker of disease activity and progression in SPMS. *Neuroradiology*, **2012**, 54, 287-97	3.2	16
38	Sleep-disordered breathing in multiple sclerosis. *Neurology*, **2012**, 79, 929-36	6.5	82
37	Fatigue, tiredness, lack of energy, and sleepiness in multiple sclerosis patients referred for clinical polysomnography. *Multiple Sclerosis International*, **2012**, 2012, 673936	1.1	24

36	Differences in diffusion tensor imaging-derived metrics in the corpus callosum of patients with multiple sclerosis without and with gadolinium-enhancing cerebral lesions. *Journal of Computer Assisted Tomography*, **2012**, 36, 410-5	2.2	3
35	T(H)17 cytokines in autoimmune neuro-inflammation. *Current Opinion in Immunology*, **2011**, 23, 707-12	7.8	116
34	IL-23 modulated myelin-specific T cells induce EAE via an IFN□driven, IL-17 independent pathway. *Brain, Behavior, and Immunity*, **2011**, 25, 932-7	16.6	33
33	The lymphoid chemokine, CXCL13, is dispensable for the initial recruitment of B cells to the acutely inflamed central nervous system. *Brain, Behavior, and Immunity*, **2011**, 25, 922-31	16.6	50
32	GM-CSF-dependent, CD103+ dermal dendritic cells play a critical role in Th effector cell differentiation after subcutaneous immunization. *Journal of Experimental Medicine*, **2010**, 207, 953-61	16.6	153
31	Th17 cells in autoimmune demyelinating disease. *Seminars in Immunopathology*, **2010**, 32, 71-7	12	80
30	Lymphoid chemokines in the CNS. *Journal of Neuroimmunology*, **2010**, 224, 56-61	3.5	60
29	EAE mediated by a non-IFN-□/non-IL-17 pathway. *European Journal of Immunology*, **2010**, 40, 2340-8	6.1	83
28	Treatment of CNS sarcoidosis with infliximab and mycophenolate mofetil. *Neurology*, **2009**, 72, 337-40	6.5	104
27	Getting to the crux of the matter: IL-23 and Th17 cell accumulation in the CNS. *European Journal of Immunology*, **2009**, 39, 1713-5	6.1	2
26	Circulating Ly-6C+ myeloid precursors migrate to the CNS and play a pathogenic role during autoimmune demyelinating disease. *Blood*, **2009**, 113, 3190-7	2.2	325
25	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. *Lancet Neurology, The*, **2008**, 7, 796-804	24.1	382
24	IL-12- and IL-23-modulated T cells induce distinct types of EAE based on histology, CNS chemokine profile, and response to cytokine inhibition. *Journal of Experimental Medicine*, **2008**, 205, 1535-41	16.6	472
23	Th17 and Th1 responses directed against the immunizing epitope, as opposed to secondary epitopes, dominate the autoimmune repertoire during relapses of experimental autoimmune encephalomyelitis. *Journal of Neuroscience Research*, **2007**, 85, 1685-93	4.4	37
22	The role of natural killer cells in curbing neuroinflammation. *Journal of Neuroimmunology*, **2007**, 191, 2-7	3.5	42
21	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. *Journal of Immunology*, **2007**, 178, 6695-9	5.3	65
20	IL-12 driven upregulation of P-selectin ligand on myelin-specific T cells is a critical step in an animal model of autoimmune demyelination. *Journal of Neuroimmunology*, **2006**, 173, 35-44	3.5	27
19	CXC chemokine ligand 13 plays a role in experimental autoimmune encephalomyelitis. *Journal of Immunology*, **2006**, 176, 7676-85	5.3	88

18	CNS chemokines, cytokines, and dendritic cells in autoimmune demyelination. *Journal of the Neurological Sciences*, **2005**, 228, 210-4	3.2	25
17	Increased rejection of primary tumors in mice lacking B cells: inhibition of anti-tumor CTL and TH1 cytokine responses by B cells. *International Journal of Cancer*, **2005**, 117, 574-86	7.5	172
16	Cutting edge: IL-12 induces CD4+CD25- T cell activation in the presence of T regulatory cells. *Journal of Immunology*, **2005**, 175, 641-5	5.3	80
15	Experimental autoimmune encephalomyelitis. *Methods in Molecular Medicine*, **2004**, 102, 363-75		7
14	Experimental autoimmune encephalomyelitis: cytokines, effector T cells, and antigen-presenting cells in a prototypical Th1-mediated autoimmune disease. *Current Allergy and Asthma Reports*, **2003** , 3, 86-93	5.6	53
13	IL-12 dependent/IFN gamma independent expression of CCR5 by myelin-reactive T cells correlates with encephalitogenicity. *Journal of Neuroimmunology*, **2003**, 137, 109-16	3.5	32
12	Cutting Edge: IL-10-producing CD4+ T cells mediate tumor rejection. *Journal of Immunology*, **2002**, 168, 1-4	5.3	72
11	Activation of APCs through CD40 or Toll-like receptor 9 overcomes tolerance and precipitates autoimmune disease. *Journal of Immunology*, **2002**, 169, 2781-7	5.3	131
10	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. *European Journal of Immunology*, **2000**, 30, 1113-9	6.1	126
9	CpG oligonucleotides are potent adjuvants for the activation of autoreactive encephalitogenic T cells in vivo. *Journal of Immunology*, **2000**, 164, 5683-8	5.3	142
8	Role of costimulation in the induction of the IL-12/IL-12 receptor pathway and the development of autoimmunity. *Journal of Immunology*, **2000**, 164, 100-6	5.3	43
7	The costimulatory effect of IL-18 on the induction of antigen-specific IFN- production by resting T cells is IL-12 dependent and is mediated by up-regulation of the IL-12 receptor subunit **2000**, 30, 1113		1
6	Regulation of interleukin (IL)-12 receptor beta2 subunit expression by endogenous IL-12: a critical step in the differentiation of pathogenic autoreactive T cells. *Journal of Experimental Medicine*, **1999**, 189, 969-78	16.6	87
5	The critical role of IL-12 and the IL-12R beta 2 subunit in the generation of pathogenic autoreactive Th1 cells. *Seminars in Immunopathology*, **1999**, 21, 249-62		30
4	The critical role of IL-12 and the IL-12R subunit in the generation of pathogenic autoreactive Th1 cells. *Seminars in Immunopathology*, **1999**, 21, 249-262		15
3	An interleukin (IL)-10/IL-12 immunoregulatory circuit controls susceptibility to autoimmune disease. *Journal of Experimental Medicine*, **1998**, 187, 537-46	16.6	385
2	Experimental allergic encephalomyelitis induced by the peptide encoded by exon 2 of the MBP gene, a peptide implicated in remyelination. *Journal of Neuroimmunology*, **1994**, 51, 7-19	3.5	32
1	The landscape of myeloid and astrocyte phenotypes in acute multiple sclerosis lesions		1