Benjamin M. Segal

List of Publications by Year
in descending order

93	6,357	61857 43	69108 77
papers	citations	h-index	g-index

98	98	98	8021
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	IL-12â€“ and IL-23â€“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, 1535-1541.	4.2	528
2	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.	4.9	438
3	An Interleukin (IL)-10/IL-12 Immunoregulatory Circuit Controls Susceptibility to Autoimmune Disease. Journal of Experimental Medicine, 1998, 187, 537-546.	4.2	425
4	Circulating Ly-6C+ myeloid precursors migrate to the CNS and play a pathogenic role during autoimmune demyelinating disease. Blood, 2009, 113, 3190-3197.	0.6	369
5	Neutrophil-related factors as biomarkers in EAE and MS. Journal of Experimental Medicine, 2015, 212, 23-35.	4.2	236
6	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, 574-586.	2.3	208
7	GM-CSFâ€“dependent, CD103+ dermal dendritic cells play a critical role in Th effector cell differentiation after subcutaneous immunization. Journal of Experimental Medicine, 2010, 207, 953-961.	4.2	164
8	TH17 cytokines in autoimmune neuro-inflammation. Current Opinion in Immunology, 2011, 23, 707-712.	2.4	150
9	CpG Oligonucleotides Are Potent Adjuvants for the Activation of Autoreactive Encephalitogenic T Cells In Vivo. Journal of Immunology, 2000, 164, 5683-5688.	0.4	149
10	The costimulatory effect of IL-18 on the induction of antigen-specific IFN-Î³ production by resting T cells is IL-12 dependent and is mediated by up-regulation of the IL-12 receptor Î²2 subunit. European Journal of Immunology, 2000, 30, 1113-1119.	1.6	139
11	A new neutrophil subset promotes CNS neuron survival and axon regeneration. Nature Immunology, 2020, 21, 1496-1505.	7.0	139
12	Activation of APCs Through CD40 or Toll-Like Receptor 9 Overcomes Tolerance and Precipitates Autoimmune Disease. Journal of Immunology, 2002, 169, 2781-2787.	0.4	135
13	Treatment of CNS sarcoidosis with infliximab and mycophenolate mofetil. Neurology, 2009, 72, 337-340.	1.5	130
14	Neuroinflammation triggered by Î²-glucan/dectin-1 signaling enables CNS axon regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2581-2586.	3.3	115
15	EAE mediated by a nonâ€IFNâ€Îł/nonâ€ILâ€17 pathway. European Journal of Immunology, 2010, 40, 2340-2348.	1.6	109
16	CXC Chemokine Ligand 13 Plays a Role in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2006, 176, 7676-7685.	0.4	101
17	Regulation of Interleukin (IL)-12 Receptor Î²2 Subunit Expression by Endogenous IL-12: A Critical Step in the Differentiation of Pathogenic Autoreactive T Cells. Journal of Experimental Medicine, 1999, 189, 969-978.	4.2	97
18	Sleep-disordered breathing in multiple sclerosis. Neurology, 2012, 79, 929-936.	1.5	96

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19	Th17 cells in autoimmune demyelinating disease. Seminars in Immunopathology, 2010, 32, 71-77.	2.8	93
20	Cutting Edge: IL-12 Induces CD4+CD25â^' T Cell Activation in the Presence of T Regulatory Cells. Journal of Immunology, 2005, 175, 641-645.	0.4	88
21	Obstructive Sleep Apnea and Fatigue in Patients with Multiple Sclerosis. Journal of Clinical Sleep Medicine, 2014, 10, 155-162.	1.4	88
22	An emerging role for eotaxins in neurodegenerative disease. Clinical Immunology, 2018, 189, 29-33.	1.4	87
23	Analysis of the immune response to sciatic nerve injury identifies efferocytosis as a key mechanism of nerve debridement. ELife, 2020, 9, .	2.8	85
24	Speaking out about gender imbalance in invited speakers improves diversity. Nature Immunology, 2017, 18, 475-478.	7.0	81
25	CD4 ⁺ T Cells Orchestrate Lethal Immune Pathology despite Fungal Clearance during Cryptococcus neoformans Meningoencephalitis. MBio, 2017, 8, .	1.8	78
26	Cutting Edge: IL-10-Producing CD4+ T Cells Mediate Tumor Rejection. Journal of Immunology, 2002, 168, 1-4.	0.4	76
27	ILâ€12â€polarized Th1 cells produce GMâ€CSF and induce EAE independent of ILâ€23. European Journal of Immunology, 2015, 45, 2780-2786.	1.6	72
28	CNS-resident classical DCs play a critical role in CNS autoimmune disease. Journal of Clinical Investigation, 2018, 128, 5322-5334.	3.9	72
29	Myeloid cell plasticity in the evolution of central nervous system autoimmunity. Annals of Neurology, 2018, 83, 131-141.	2.8	69
30	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, 6695-6699.	0.4	68
31	Lymphoid chemokines in the CNS. Journal of Neuroimmunology, 2010, 224, 56-61.	1.1	66
32	Neurosarcoidosis. Current Opinion in Neurology, 2013, 26, 307-313.	1.8	66
33	Th Cell Diversity in Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis. Journal of Immunology, 2015, 195, 2552-2559.	0.4	64
34	The dual roles of immunity in ALS: Injury overrides protection. Neurobiology of Disease, 2015, 77, 1-12.	2.1	63
35	Site-Specific Chemokine Expression Regulates Central Nervous System Inflammation and Determines Clinical Phenotype in Autoimmune Encephalomyelitis. Journal of Immunology, 2014, 193, 564-570.	0.4	61
36	Dysregulation of the IL-23/IL-17 axis and myeloid factors in secondary progressive MS. Neurology, 2014, 83, 1500-1507.	1.5	59

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37	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, 922-931.	2.0	57
38	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.	2.4	56
39	GM-CSF Promotes Chronic Disability in Experimental Autoimmune Encephalomyelitis by Altering the Composition of Central Nervous Systemâ€“Infiltrating Cells, but Is Dispensable for Disease Induction. Journal of Immunology, 2018, 200, 966-973.	0.4	55
40	Highly polarized <scp>T</scp>h17 cells induce <scp>EAE</scp> via a <scp>T</scp>â€bet independent mechanism. European Journal of Immunology, 2013, 43, 2824-2831.	1.6	53
41	Mature myelin maintenance requires Qki to coactivate PPARÎ²-RXRÎ±â€“mediated lipid metabolism. Journal of Clinical Investigation, 2020, 130, 2220-2236.	3.9	50
42	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.	0.9	49
43	Role of Costimulation in the Induction of the IL-12/IL-12 Receptor Pathway and the Development of Autoimmunity. Journal of Immunology, 2000, 164, 100-106.	0.4	48
44	The role of natural killer cells in curbing neuroinflammation. Journal of Neuroimmunology, 2007, 191, 2-7.	1.1	44
45	The landscape of myeloid and astrocyte phenotypes in acute multiple sclerosis lesions. Acta Neuropathologica Communications, 2019, 7, 130.	2.4	41
46	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, 1685-1693.	1.3	38
47	Fatigue, Tiredness, Lack of Energy, and Sleepiness in Multiple Sclerosis Patients Referred for Clinical Polysomnography. Multiple Sclerosis International, 2012, 2012, 1-7.	0.4	38
48	Stage-Specific Immune Dysregulation in Multiple Sclerosis. Journal of Interferon and Cytokine Research, 2014, 34, 633-640.	0.5	38
49	The Diversity of Encephalitogenic CD4+ T Cells in Multiple Sclerosis and Its Animal Models. Journal of Clinical Medicine, 2019, 8, 120.	1.0	38
50	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.	1.1	36
51	The critical role of IL-12 and the IL-12R?2 subunit in the generation of pathogenic autoreactive Th1 cells. Seminars in Immunopathology, 1999, 21, 249-262.	4.0	36
52	IL-12 dependent/IFNÎ³ independent expression of CCR5 by myelin-reactive T cells correlates with encephalitogenicity. Journal of Neuroimmunology, 2003, 137, 109-116.	1.1	35
53	IL-23 modulated myelin-specific T cells induce EAE via an IFNÎ³ driven, IL-17 independent pathway. Brain, Behavior, and Immunity, 2011, 25, 932-937.	2.0	35
54	Notch Signaling Regulates T Cell Accumulation and Function in the Central Nervous System during Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2013, 191, 1606-1613.	0.4	33

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55	CNS chemokines, cytokines, and dendritic cells in autoimmune demyelination. Journal of the Neurological Sciences, 2005, 228, 210-214.	0.3	32
56	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.	3.1	30
57	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.	1.1	29
58	Hypnotic use and fatigue in multiple sclerosis. Sleep Medicine, 2015, 16, 131-137.	0.8	28
59	Neutrophils promote VLA-4â€“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.	3.3	28
60	Experimental Autoimmune Encephalomyelitis. Methods in Molecular Biology, 2012, 900, 363-380.	0.4	25
61	An IFNÎ³/CXCL2 regulatory pathway determines lesion localization during EAE. Journal of Neuroinflammation, 2018, 15, 208.	3.1	25
62	<scp>T</scp>h1â€mediated experimental autoimmune encephalomyelitis is <scp>CXCR</scp>3 independent. European Journal of Immunology, 2013, 43, 2866-2874.	1.6	24
63	CXCL13 promotes isotype-switched B cell accumulation to the central nervous system during viral encephalomyelitis. Brain, Behavior, and Immunity, 2016, 54, 128-139.	2.0	23
64	Stable biomarker for plastic microglia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3130-3132.	3.3	22
65	Encephalitogenic and Regulatory CD8 T Cells in Multiple Sclerosis and Its Animal Models. Journal of Immunology, 2021, 206, 3-10.	0.4	22
66	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, 287-297.	1.1	20
67	Experimental Autoimmune Encephalomyelitis. , 2004, 102, 363-376.		17
68	MAdCAM-1-Mediated Intestinal Lymphocyte Homing Is Critical for the Development of Active Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2019, 10, 903.	2.2	17
69	A randomized, subject and rater-blinded, placebo-controlled trial of dimethyl fumarate for obstructive sleep apnea. Sleep, 2018, 41, .	0.6	16
70	The critical role of IL-12 and the IL-12RÎ²2 subunit in the generation of pathogenic autoreactive Th1 cells. Seminars in Immunopathology, 1999, 21, 249-262.	4.0	15
71	Primary progressive multiple sclerosisâ€”why we are failing. Lancet, The, 2016, 387, 1032-1034.	6.3	12
72	Obstructive Sleep Apnea is an Under-Recognized and Consequential Morbidity in Multiple Sclerosis. Journal of Clinical Sleep Medicine, 2014, 10, 709-710.	1.4	11

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73	Sublime diagnosis of Lyme neuroborreliosis. Neurology, 2005, 65, 351-352.	1.5	10
74	Clinical trials in multiple sclerosis: potential future trial designs. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641984709.	1.5	10
75	The Straight Talk on Immune Deviation. Clinical Immunology and Immunopathology, 1998, 88, 1-3.	2.1	9
76	B-Cell Targeting Agents in the Treatment of Multiple Sclerosis. Current Treatment Options in Neurology, 2013, 15, 259-269.	0.7	9
77	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.	1.4	9
78	Modulation of the Innate Immune System: A Future Approach to the Treatment of Neurological Disease. Clinical Immunology, 2018, 189, 1-3.	1.4	7
79	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.	1.1	7
80	Biological aging of CNS-resident cells alters the clinical course and immunopathology of autoimmune demyelinating disease. JCI Insight, 2022, 7, .	2.3	7
81	Underrecognition of Sleep Disorders in Patients with Multiple Sclerosis. Journal of Clinical Sleep Medicine, 2015, 11, 81-81.	1.4	6
82	In Vitro Polarization of T-Helper Cells. Methods in Molecular Biology, 2014, 1193, 105-113.	0.4	6
83	T-bet promotes the accumulation of encephalitogenic Th17 cells in the CNS. Journal of Neuroimmunology, 2017, 304, 35-39.	1.1	5
84	Characterization of Zymosan-Modulated Neutrophils With Neuroregenerative Properties. Frontiers in Immunology, 0, 13, .	2.2	5
85	Differences in Diffusion Tensor Imagingâ€“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, 410-415.	0.5	4
86	Multiple sclerosis relapse risk in the postoperative period: Effects of invasive surgery and anesthesia. Multiple Sclerosis Journal, 2020, 26, 1437-1440.	1.4	4
87	Neutralizing antibody responses against SARS-CoV-2 in vaccinated people with multiple sclerosis. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2022, 8, 205521732210873.	0.5	4
88	The unwavering commitment of regulatory <scp>T</scp> cells in the suppression of autoimmune encephalomyelitis: Another aspect of immune privilege in the <scp>CNS</scp>. European Journal of Immunology, 2012, 42, 1102-1105.	1.6	3
89	Getting to the crux of the matter: ILâ€23 and Th17 cell accumulation in the CNS. European Journal of Immunology, 2009, 39, 1713-1715.	1.6	2
90	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.	1.1	2

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91	Enhancing natural killer cells is beneficial in multiple sclerosis â€“ Commentary. Multiple Sclerosis Journal, 2019, 25, 513-514.	1.4	2
92	The costimulatory effect of IL-18 on the induction of antigen-specific IFN-Î³ production by resting T cells is IL-12 dependent and is mediated by up-regulation of the IL-12 receptor Î²2 subunit. , 2000, 30, 1113.		1
93	The 2020 FASEB Science Research Conference on Translational Neuroimmunology: From Mechanisms to Therapeutics, June 29â€30, 2020. FASEB Journal, 2020, 34, 14064-14068.	0.2	0