Lawrence Steinman

List of Publications by Year
in descending order

209 papers	25,867 citations	11651 70 h-index	6471 157 g-index
216 all docs	216 docs citations	216 times ranked	24865 citing authors

#	Article	IF	Citations
1	Prevention of experimental autoimmune encephalomyelitis by antibodies against Î±4Î²1 integrin. Nature, 1992, 356, 63-66.	27.8	1,668
2	Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis. Nature Medicine, 2002, 8, 500-508.	30.7	1,558
3	A brief history of TH17, the first major revision in the TH1/TH2 hypothesis of T cellâ€“mediated tissue damage. Nature Medicine, 2007, 13, 139-145.	30.7	1,205
4	The HMG-CoA reductase inhibitor, atorvastatin, promotes a Th2 bias and reverses paralysis in central nervous system autoimmune disease. Nature, 2002, 420, 78-84.	27.8	1,060
5	Multiple Sclerosis: A Coordinated Immunological Attack against Myelin in the Central Nervous System. Cell, 1996, 85, 299-302.	28.9	844
6	The Influence of the Proinflammatory Cytokine, Osteopontin, on Autoimmune Demyelinating Disease. Science, 2001, 294, 1731-1735.	12.6	807
7	Autoantigen microarrays for multiplex characterization of autoantibody responses. Nature Medicine, 2002, 8, 295-301.	30.7	693
8	Statin therapy and autoimmune disease: from protein prenylation to immunomodulation. Nature Reviews Immunology, 2006, 6, 358-370.	22.7	581
9	Multiple sclerosis: a two-stage disease. Nature Immunology, 2001, 2, 762-764.	14.5	563
10	T-cell clones specific for myelin basic protein induce chronic relapsing paralysis and demyelination. Nature, 1985, 317, 355-358.	27.8	519
11	Induction of a non-encephalitogenic type 2 T helper-cell autoimmune response in multiple sclerosis after administration of an altered peptide ligand in a placebo-controlled, randomized phase II trial. Nature Medicine, 2000, 6, 1176-1182.	30.7	506
12	Elaborate interactions between the immune and nervous systems. Nature Immunology, 2004, 5, 575-581.	14.5	488
13	Proteomic analysis of active multiple sclerosis lesions reveals therapeutic targets. Nature, 2008, 451, 1076-1081.	27.8	472
14	T-cell epitope of the autoantigen myelin basic protein that induces encephalomyelitis. Nature, 1986, 324, 258-260.	27.8	468
15	How to successfully apply animal studies in experimental allergic encephalomyelitis to research on multiple sclerosis. Annals of Neurology, 2006, 60, 12-21.	5.3	441
16	1,25-Dihydroxyvitamin D₃Ameliorates Th17 Autoimmunity via Transcriptional Modulation of Interleukin-17A. Molecular and Cellular Biology, 2011, 31, 3653-3669.	2.3	420
17	Limited heterogeneity of rearranged T-cell receptor VÎ± transcripts in brains of multiple sclerosis patients. Nature, 1990, 345, 344-346.	27.8	418
18	Selection for T-cell receptor VÎ²â€“DÎ²â€“JÎ² gene rearrangements with specificity for a myelin basic protein peptide in brain lesions of multiple sclerosis. Nature, 1993, 362, 68-70.	27.8	414

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19	Type II monocytes modulate T cellâ€"mediated central nervous system autoimmune disease. Nature Medicine, 2007, 13, 935-943.	30.7	407
20	Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation. Nature, 1992, 356, 435-438.	27.8	406
21	Inhibitory role for GABA in autoimmune inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2580-2585.	7.1	395
22	Treatment of Autoimmune Neuroinflammation with a Synthetic Tryptophan Metabolite. Science, 2005, 310, 850-855.	12.6	391
23	Treatment of experimental encephalomyelitis with a peptide analogue of myelin basic protein. Nature, 1996, 379, 343-346.	27.8	382
24	Clonally expanded B cells in multiple sclerosis bind EBV EBNA1 and GlialCAM. Nature, 2022, 603, 321-327.	27.8	343
25	Self-antigen tetramers discriminate between myelin autoantibodies to native or denatured protein. Nature Medicine, 2007, 13, 211-217.	30.7	342
26	Heme oxygenaseâ€"1 and carbon monoxide suppress autoimmune neuroinflammation. Journal of Clinical Investigation, 2007, 117, 438-447.	8.2	268
27	Induction of relapsing paralysis in experimental autoimmune encephalomyelitis by bacterial superantigen. Nature, 1993, 365, 642-644.	27.8	265
28	Immunology of Relapse and Remission in Multiple Sclerosis. Annual Review of Immunology, 2014, 32, 257-281.	21.8	261
29	B-Lymphocyte-Mediated Delayed Cognitive Impairment following Stroke. Journal of Neuroscience, 2015, 35, 2133-2145.	3.6	257
30	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. Nature Neuroscience, 2018, 21, 541-551.	14.8	249
31	Design of effective immunotherapy for human autoimmunity. Nature, 2005, 435, 612-619.	27.8	248
32	Virtues and pitfalls of EAE for the development of therapies for multiple sclerosis. Trends in Immunology, 2005, 26, 565-571.	6.8	238
33	Dimethyl fumarate treatment induces adaptive and innate immune modulation independent of Nrf2. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4777-4782.	7.1	238
34	Multiple Sclerosis: Deeper Understanding of Its Pathogenesis Reveals New Targets for Therapy. Annual Review of Neuroscience, 2002, 25, 491-505.	10.7	229
35	Antibodies to influenza nucleoprotein cross-react with human hypocretin receptor 2. Science Translational Medicine, 2015, 7, 294ra105.	12.4	206
36	Isoprenoids determine Th1/Th2 fate in pathogenic T cells, providing a mechanism of modulation of autoimmunity by atorvastatin. Journal of Experimental Medicine, 2006, 203, 401-412.	8.5	194

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37	HDL-bound sphingosine-1-phosphate restrains lymphopoiesis and neuroinflammation. Nature, 2015, 523, 342-346.	27.8	192
38	Safety and efficacy of ozanimod versus interferon beta-1a in relapsing multiple sclerosis (SUNBEAM): a multicentre, randomised, minimum 12-month, phase 3 trial. Lancet Neurology, The, 2019, 18, 1009-1020.	10.2	191
39	Safety and efficacy of ozanimod versus interferon beta-1a in relapsing multiple sclerosis (RADIANCE): a multicentre, randomised, 24-month, phase 3 trial. Lancet Neurology, The, 2019, 18, 1021-1033.	10.2	184
40	A molecular trio in relapse and remission in multiple sclerosis. Nature Reviews Immunology, 2009, 9, 440-447.	22.7	182
41	Peroxisome proliferator-activated receptor (PPAR)Î± and -Î³ regulate IFNÎ³ and IL-17A production by human T cells in a sex-specific way. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9505-9510.	7.1	178
42	Epsteinâ€“Barr Virus in Multiple Sclerosis: Theory and Emerging Immunotherapies. Trends in Molecular Medicine, 2020, 26, 296-310.	6.7	178
43	An unexpected version of horror autotoxicus: anaphylactic shock to a self-peptide. Nature Immunology, 2001, 2, 216-222.	14.5	174
44	Phase 2 trial of a DNA vaccine encoding myelin basic protein for multiple sclerosis. Annals of Neurology, 2008, 63, 611-620.	5.3	171
45	A rush to judgment on Th17. Journal of Experimental Medicine, 2008, 205, 1517-1522.	8.5	163
46	Defective sphingosine 1-phosphate receptor 1 (S1P1) phosphorylation exacerbates TH17-mediated autoimmune neuroinflammation. Nature Immunology, 2013, 14, 1166-1172.	14.5	135
47	Systemic augmentation of Î±B-crystallin provides therapeutic benefit twelve hours post-stroke onset via immune modulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13287-13292.	7.1	130
48	Immune Therapy for Autoimmune Diseases. Science, 2004, 305, 212-216.	12.6	128
49	Involvement of both â€˜allergicâ€™ and â€˜autoimmuneâ€™ mechanisms in EAE, MS and other autoimmune diseases. Trends in Immunology, 2003, 24, 479-484.	6.8	126
50	Safety and immunologic effects of high- vs low-dose cholecalciferol in multiple sclerosis. Neurology, 2016, 86, 382-390.	1.1	124
51	Narcolepsy, 2009 A(H1N1) pandemic influenza, and pandemic influenza vaccinations: What is known and unknown about the neurological disorder, the role for autoimmunity, and vaccine adjuvants. Journal of Autoimmunity, 2014, 50, 1-11.	6.5	119
52	CSF cytokine profile in MOG-IgG+ neurological disease is similar to AQP4-IgG+ NMOSD but distinct from MS: a cross-sectional study and potential therapeutic implications. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 927-936.	1.9	116
53	Nanosensor Detection of an Immunoregulatory Tryptophan Influx/Kynurenine Efflux Cycle. PLoS Biology, 2007, 5, e257.	5.6	112
54	Mixed results with modulation of TH-17 cells in human autoimmune diseases. Nature Immunology, 2010, 11, 41-44.	14.5	112

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55	Immune tolerance in multiple sclerosis and neuromyelitis optica with peptide-loaded tolerogenic dendritic cells in a phase 1b trial. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8463-8470.	7.1	112
56	Transcriptional analysis of targets in multiple sclerosis. Nature Reviews Immunology, 2003, 3, 483-492.	22.7	109
57	Natalizumab. JAMA Neurology, 2013, 70, 172.	9.0	108
58	Î±B-Crystallin Is a Target for Adaptive Immune Responses and a Trigger of Innate Responses in Preactive Multiple Sclerosis Lesions. Journal of Neuropathology and Experimental Neurology, 2010, 69, 694-703.	1.7	100
59	Immunomodulatory synergy by combination of atorvastatin and glatiramer acetate in treatment of CNS autoimmunity. Journal of Clinical Investigation, 2006, 116, 1037-1044.	8.2	98
60	Isolation of a complementary DNA clone encoding an autoantigen recognized by an anti-neuronal cell antibody from a patient with paraneoplastic cerebellar degeneration. Annals of Neurology, 1990, 28, 692-698.	5.3	97
61	Differential activation of human autoreactive T cell clones by altered peptide ligands derived from myelin basic protein peptide (87â€“99). European Journal of Immunology, 1996, 26, 2624-2634.	2.9	96
62	Nuanced roles of cytokines in three major human brain disorders. Journal of Clinical Investigation, 2008, 118, 3557-3563.	8.2	95
63	IL-7 Promotes T _H 1 Development and Serum IL-7 Predicts Clinical Response to Interferon-Î² in Multiple Sclerosis. Science Translational Medicine, 2011, 3, 93ra68.	12.4	93
64	COVID-19 therapeutics: Challenges and directions for the future. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119893119.	7.1	92
65	Some Misconceptions about Understanding Autoimmunity through Experiments with Knockouts. Journal of Experimental Medicine, 1997, 185, 2039-2041.	8.5	89
66	Reduced development of COVID-19 in children reveals molecular checkpoints gating pathogenesis illuminating potential therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24620-24626.	7.1	88
67	Non-progressing cancer patients have persistent B cell responses expressing shared antibody paratopes that target public tumor antigens. Clinical Immunology, 2018, 187, 37-45.	3.2	86
68	Therapeutic Decisions in Multiple Sclerosis. JAMA Neurology, 2013, 70, 1315-24.	9.0	80
69	Therapeutic Effects of Systemic Administration of Chaperone Î±B-Crystallin Associated with Binding Proinflammatory Plasma Proteins. Journal of Biological Chemistry, 2012, 287, 9708-9721.	3.4	79
70	Optimization of current and future therapy for autoimmune diseases. Nature Medicine, 2012, 18, 59-65.	30.7	79
71	Statins as potential therapeutic agents in neuroinflammatory disorders. Current Opinion in Neurology, 2003, 16, 393-401.	3.6	78
72	Molecular signature of Epstein-Barr virus infection in MS brain lesions. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e466.	6.0	74

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73	Autoimmune Disease. Scientific American, 1993, 269, 106-114.	1.0	70
74	An interferon-Î²-resistant and NLRP3 inflammasomeâ€"independent subtype of EAE with neuronal damage. Nature Neuroscience, 2016, 19, 1599-1609.	14.8	70
75	Multiple sclerosis: trapped in deadly glue. Nature Medicine, 2005, 11, 252-253.	30.7	69
76	Prolactin: A versatile regulator of inflammation and autoimmune pathology. Autoimmunity Reviews, 2015, 14, 223-230.	5.8	68
77	Epstein-Barr virus and multiple sclerosis. Science, 2022, 375, 264-265.	12.6	68
78	Hyaluronan synthesis is necessary for autoreactive T-cell trafficking, activation, and Th1 polarization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1339-1344.	7.1	65
79	IFN-Î² Treatment Requires B Cells for Efficacy in Neuroautoimmunity. Journal of Immunology, 2015, 194, 2110-2116.	0.8	64
80	The discovery of natalizumab, a potent therapeutic for multiple sclerosis. Journal of Cell Biology, 2012, 199, 413-416.	5.2	61
81	Obeticholic acid, a synthetic bile acid agonist of the farnesoid X receptor, attenuates experimental autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1600-1605.	7.1	61
82	Statins in the treatment of central nervous system autoimmune disease. Journal of Neuroimmunology, 2006, 178, 140-148.	2.3	59
83	Tolerance checkpoint bypass permits emergence of pathogenic T cells to neuromyelitis optica autoantigen aquaporin-4. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14781-14786.	7.1	59
84	Idiotypic immunization induces immunity to mutated p53 and tumor rejection. Nature Medicine, 1998, 4, 710-712.	30.7	58
85	Identification of Naturally Occurring Fatty Acids of the Myelin Sheath That Resolve Neuroinflammation. Science Translational Medicine, 2012, 4, 137ra73.	12.4	58
86	A neuropeptide in immune-mediated inflammation, Y?. Trends in Immunology, 2006, 27, 164-167.	6.8	57
87	Protein and Peptide Array Analysis of Autoimmune Disease. BioTechniques, 2002, 33, S66-S69.	1.8	55
88	The Interdependent, Overlapping, and Differential Roles of Type I and II IFNs in the Pathogenesis of Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2013, 191, 2967-2977.	0.8	52
89	Optic Neuritis, A New Variant of Experimental Encephalomyelitis, A Durable Model for All Seasons, Now In Its Seventieth Year. Journal of Experimental Medicine, 2003, 197, 1065-1071.	8.5	51
90	Inflammatory Cytokines at the Summits of Pathological Signal Cascades in Brain Diseases. Science Signaling, 2013, 6, pe3.	3.6	51

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91	Multiplexed autoantigen microarrays identify HLA as a key driver of anti-desmoglein and -non-desmoglein reactivities in pemphigus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1859-1864.	7.1	50
92	Neoplastic and reactive human astrocytes express interleukin-8 gene. Neurosurgical Review, 1992, 15, 203-207.	2.4	44
93	<i>mir-181a-1/b-1</i> Modulates Tolerance through Opposing Activities in Selection and Peripheral T Cell Function. Journal of Immunology, 2015, 195, 1470-1479.	0.8	43
94	Regulator of oligodendrocyte maturation, miR-219, a potential biomarker for MS. Journal of Neuroinflammation, 2017, 14, 235.	7.2	41
95	Proteomics for the Development of DNA Tolerizing Vaccines to Treat Autoimmune Disease. Clinical Immunology, 2002, 103, 7-12.	3.2	40
96	Antigen-Specific Therapies in Multiple Sclerosis: Going Beyond Proteins and Peptides. International Reviews of Immunology, 2005, 24, 415-446.	3.3	40
97	Interleukin 17F Level and Interferon Beta Response in Patients With Multiple Sclerosis. JAMA Neurology, 2013, 70, 1017.	9.0	37
98	Phosphorylation of Î±B-crystallin supports reactive astrogliosis in demyelination. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1745-E1754.	7.1	37
99	Efficacy and safety of ozanimod in multiple sclerosis: Dose-blinded extension of a randomized phase II study. Multiple Sclerosis Journal, 2019, 25, 1255-1262.	3.0	37
100	Prospects for specific immunotherapy in myasthenia gravis. FASEB Journal, 1990, 4, 2726-2731.	0.5	36
101	Multiple approaches to multiple sclerosis. Nature Medicine, 2000, 6, 15-16.	30.7	36
102	Autoantibodies against central nervous system antigens in a subset of B cellâ€“dominant multiple sclerosis patients. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21512-21518.	7.1	36
103	Part II. high-dose methotrexate with leucovorin rescue for severe COVID-19: An immune stabilization strategy for SARS-CoV-2 induced â€˜PANICâ€™ attack. Journal of the Neurological Sciences, 2020, 415, 116935.	0.6	34
104	Ironâ€sulfur glutaredoxin 2 protects oligodendrocytes against damage induced by nitric oxide release from activated microglia. Glia, 2017, 65, 1521-1534.	4.9	33
105	DNA threads released by activated CD4 ⁺ T lymphocytes provide autocrine costimulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8985-8994.	7.1	33
106	Identification of a common immune regulatory pathway induced by small heat shock proteins, amyloid fibrils, and nicotine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7081-7086.	7.1	32
107	New targets and therapeutics for neuroprotection, remyelination and repair in multiple sclerosis. Expert Opinion on Investigational Drugs, 2020, 29, 443-459.	4.1	31
108	High-throughput Methods for Measuring Autoantibodies in Systemic Lupus Erythematosus and other Autoimmune Diseases. Autoimmunity, 2004, 37, 269-272.	2.6	30

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109	Amelioration of ongoing experimental autoimmune encephalomyelitis with fluoxetine. Journal of Neuroimmunology, 2017, 313, 77-81.	2.3	30
110	Antigen-specific tolerance to self-antigens in protein replacement therapy, gene therapy and autoimmunity. Current Opinion in Immunology, 2019, 61, 46-53.	5.5	30
111	MMR Vaccination: A Potential Strategy to Reduce Severity and Mortality of COVID-19 Illness. American Journal of Medicine, 2021, 134, 153-155.	1.5	30
112	Viral damage and the breakdown of self-tolerance. Nature Medicine, 1997, 3, 1085-1087.	30.7	29
113	Modulation of postoperative cognitive decline via blockade of inflammatory cytokines outside the brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20595-20596.	7.1	29
114	Letters to the editor. Muscle and Nerve, 1992, 15, 1209-1215.	2.2	28
115	Myelin basic protein peptide specificity and T-cell receptor gene usage of HPRT mutant T-cell clones in patients with multiple sclerosis. Annals of Neurology, 1994, 36, 734-740.	5.3	28
116	Time correlation between mononucleosis and initial symptoms of MS. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e308.	6.0	28
117	Drug Insight: using statins to treat neuroinflammatory disease. Nature Clinical Practice Neurology, 2005, 1, 106-112.	2.5	27
118	Tissue Transglutaminase contributes to experimental multiple sclerosis pathogenesis and clinical outcome by promoting macrophage migration. Brain, Behavior, and Immunity, 2015, 50, 141-154.	4.1	27
119	Clinical optimization of antigen specific modulation of type 1 diabetes with the plasmid DNA platform. Clinical Immunology, 2013, 149, 297-306.	3.2	26
120	Nonclassical monocytes: are they the next therapeutic targets in multiple sclerosis?. Immunology and Cell Biology, 2018, 96, 125-127.	2.3	26
121	Amyloid fibrils activate B-1a lymphocytes to ameliorate inflammatory brain disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15016-15023.	7.1	24
122	Part I. SARS-CoV-2 triggered â€˜PANICâ€™ attack in severe COVID-19. Journal of the Neurological Sciences, 2020, 415, 116936.	0.6	24
123	Calibration of cell-intrinsic interleukin-2 response thresholds guides design of a regulatory T cell biased agonist. ELife, 2021, 10, .	6.0	23
124	An analysis of T-cell-receptor variable-region genes in tumor-infiltrating lymphocytes within malignant tumors. International Journal of Cancer, 1991, 49, 545-550.	5.1	22
125	Multiple sclerosis and its animal models: the role of the major histocompatibility complex and the T cell receptor repertoire. Seminars in Immunopathology, 1992, 14, 79-93.	4.0	22
126	The specificity of the antibody response in multiple sclerosis. Annals of Neurology, 1998, 43, 4-6.	5.3	22

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127	Antigen-Specific Therapy of Multiple Sclerosis: The Long-Sought Magic Bullet. Neurotherapeutics, 2007, 4, 661-665.	4.4	22
128	The Gender Gap in Multiple Sclerosis. JAMA Neurology, 2013, 70, 634.	9.0	22
129	Neither T-helper type 2 nor Foxp3+ regulatory T cells are necessary for therapeutic benefit of atorvastatin in treatment of central nervous system autoimmunity. Journal of Neuroinflammation, 2014, 11, 29.	7.2	22
130	From defining antigens to new therapies in multiple sclerosis: Honoring the contributions of Ruth Arnon and Michael Sela. Journal of Autoimmunity, 2014, 54, 1-7.	6.5	22
131	Beginning of the end of two-stage theory purporting that inflammation then degeneration explains pathogenesis of progressive multiple sclerosis. Current Opinion in Neurology, 2016, 29, 340-344.	3.6	22
132	Shifting therapeutic attention in MS to osteopontin, type 1 and type 2 IFN. European Journal of Immunology, 2009, 39, 2358-2360.	2.9	21
133	No quiet surrender: molecular guardians in multiple sclerosis brain. Journal of Clinical Investigation, 2015, 125, 1371-1378.	8.2	21
134	Generating tumor-selective conditionally active biologic anti-CTLA4 antibodies via protein-associated chemical switches. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
135	State of the Art. Four Easy Pieces: Interconnections between Tissue Injury, Intermediary Metabolism, Autoimmunity, and Chronic Degeneration. Proceedings of the American Thoracic Society, 2006, 3, 484-486.	3.5	19
136	The Neuropathology of Propionic Acidemia. Developmental Medicine and Child Neurology, 1983, 25, 87-94.	2.1	19
137	Ozanimod in relapsing multiple sclerosis: Pooled safety results from the clinical development program. Multiple Sclerosis and Related Disorders, 2021, 51, 102844.	2.0	19
138	HTLV-I sequences are not detected in peripheral blood genomic DNA or in brain cDNA of multiple sclerosis patients. Annals of Neurology, 1990, 28, 574-577.	5.3	18
139	Nogo in multiple sclerosis: Growing roles of a growth inhibitor. Journal of the Neurological Sciences, 2006, 245, 201-210.	0.6	18
140	The gray aspects of white matter disease in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8083-8084.	7.1	18
141	The re-emergence of antigen-specific tolerance as a potential therapy for MS. Multiple Sclerosis Journal, 2015, 21, 1223-1238.	3.0	18
142	Engineered DNA plasmid reduces immunity to dystrophin while improving muscle force in a model of gene therapy of Duchenne dystrophy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9182-E9191.	7.1	17
143	Uncovering Cryptic Glycan Markers in Multiple Sclerosis (<scp>MS</scp>) and Experimental Autoimmune Encephalomyelitis (<scp>EAE</scp>). Drug Development Research, 2014, 75, 172-188.	2.9	16
144	Thymic Epithelium Determines a Spontaneous Chronic Neuritis in Icam1<i>tm1Jcgr</i>NOD Mice. Journal of Immunology, 2014, 193, 2678-2690.	0.8	16

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145	CEACAM1 mediates B cell aggregation in central nervous system autoimmunity. Scientific Reports, 2016, 6, 29847.	3.3	16
146	Adrenocorticotropic hormone <i>versus</i> methylprednisolone added to interferon Î² in patients with multiple sclerosis experiencing breakthrough disease: a randomized, rater-blinded trial. Therapeutic Advances in Neurological Disorders, 2017, 10, 3-17.	3.5	16
147	Long-term safety and efficacy of ozanimod in relapsing multiple sclerosis: Up to 5â€‰years of follow-up in the DAYBREAK open-label extension trial. Multiple Sclerosis Journal, 2022, 28, 1944-1962.	3.0	16
148	Mechanistic insights into influenza vaccine-associated narcolepsy. Human Vaccines and Immunotherapeutics, 2016, 12, 3196-3201.	3.3	15
149	Mitigating alemtuzumab-associated autoimmunity in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	6.0	15
150	Lessons learned at the intersection of immunology and neuroscience. Journal of Clinical Investigation, 2012, 122, 1146-1148.	8.2	15
151	Mechanisms of action of therapeutic amyloidogenic hexapeptides in amelioration of inflammatory brain disease. Journal of Experimental Medicine, 2014, 211, 1847-1856.	8.5	14
152	CRYAB modulates the activation of CD4⁺ T cells from relapsingâ€“remitting multiple sclerosis patients. Multiple Sclerosis Journal, 2013, 19, 1867-1877.	3.0	13
153	Janus Faces of Amyloid Proteins in Neuroinflammation. Journal of Clinical Immunology, 2014, 34, 61-63.	3.8	13
154	Conflicting consequences of immunity to cancer versus autoimmunity to neurons: Insights from paraneoplastic disease. European Journal of Immunology, 2014, 44, 3201-3205.	2.9	13
155	New targets for treatment of multiple sclerosis. Journal of the Neurological Sciences, 2008, 274, 1-4.	0.6	12
156	Weighing In On Autoimmune Disease: 'Hub-and-spoke' T cell traffic in autoimmunity. Nature Medicine, 2013, 19, 139-141.	30.7	12
157	The Road Not Taken. JAMA Neurology, 2013, 70, 1100.	9.0	12
158	Plasma neurofilament light chain concentrations as a biomarker of clinical and radiologic outcomes in relapsing multiple sclerosis: Post hoc analysis of Phase 3 ozanimod trials. European Journal of Neurology, 2021, 28, 3722-3730.	3.3	12
159	Platelets Provide a Bounty of Potential Targets for Therapy in Multiple Sclerosis. Circulation Research, 2012, 110, 1157-1158.	4.5	11
160	Human peptidome display. Nature Biotechnology, 2011, 29, 500-502.	17.5	10
161	Induction of New Autoimmune Diseases After Alemtuzumab Therapy for Multiple Sclerosis. JAMA Neurology, 2017, 74, 907.	9.0	10
162	EAE: A Model for Immune Intervention with Synthetic Peptides. International Reviews of Immunology, 1992, 9, 223-230.	3.3	9

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163	Collateral damage repaired. Nature, 2003, 422, 671-672.	27.8	9
164	Engineering better cytokines. Nature Biotechnology, 2003, 21, 1293-1294.	17.5	9
165	Anaphylaxis to a self-peptide in the absence of mast cells or histamine. Laboratory Investigation, 2009, 89, 398-405.	3.7	9
166	Reâ€engineering of pathogenic aquaporin 4â€specific antibodies as molecular decoys to treat neuromyelitis optica. Annals of Neurology, 2012, 71, 287-288.	5.3	9
167	Identification of Candidate Tolerogenic CD8⁺T Cell Epitopes for Therapy of Type 1 Diabetes in the NOD Mouse Model. Journal of Diabetes Research, 2016, 2016, 1-12.	2.3	9
168	T Cell Recognition in Experimental Autoimmune Encephalomyelitis: Prospects for Immune Intervention with Synthetic Peptides. International Reviews of Immunology, 1990, 6, 37-47.	3.3	8
169	Controlling autoimmunity in sporadic inclusion-body myositis. Neurology, 2006, 66, S56-S58.	1.1	8
170	Combining statins with interferon beta in multiple sclerosis: think twice, it might not be all right. Lancet Neurology, The, 2011, 10, 672-673.	10.2	8
171	Development of therapies for autoimmune disease at Stanford: a tale of multiple shots and one goal. Immunologic Research, 2014, 58, 307-314.	2.9	8
172	Anti-Insulin Immune Responses Are Detectable in Dogs with Spontaneous Diabetes. PLoS ONE, 2016, 11, e0152397.	2.5	8
173	T Cellâ€"Transfer Experimental Autoimmune Encephalomyelitis: Pillar of Multiple Sclerosis and Autoimmunity. Journal of Immunology, 2017, 198, 3381-3383.	0.8	8
174	Axonal and Myelin Neuroprotection by the Peptoid BN201 in Brain Inflammation. Neurotherapeutics, 2019, 16, 808-827.	4.4	8
175	Superantigens in demyelinating disease. Seminars in Immunopathology, 1996, 18, 51-56.	4.0	7
176	Piet Mondrianâ€™s trees and the evolution in understanding multiple sclerosis, Charcot Prize Lecture 2011. Multiple Sclerosis Journal, 2013, 19, 5-14.	3.0	7
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178	Self-Assembling Peptides Form Immune Suppressive Amyloid Fibrils Effective in Autoimmune Encephalomyelitis. Current Topics in Behavioral Neurosciences, 2015, 26, 221-232.	1.7	7
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