Jack P Antel

List of Publications by Year
in descending order

230 papers	27,227 citations	82 h-index (6486)	157 g-index (7427)
242 all docs	242 docs citations	242 times ranked	30568 citing authors

#	Article	IF	Citations
1	DICAM promotes T _H 17 lymphocyte trafficking across the blood-brain barrier during autoimmune neuroinflammation. Science Translational Medicine, 2022, 14, eabj0473.	5.8	27
2	MicroRNA-210 regulates the metabolic and inflammatory status of primary human astrocytes. Journal of Neuroinflammation, 2022, 19, 10.	3.1	26
3	Human Oligodendrocyte Myelination Potential; Relation to Age and Differentiation. Annals of Neurology, 2022, 91, 178-191.	2.8	9
4	Diverse injury responses of human oligodendrocyte to mediators implicated in multiple sclerosis. Brain, 2022, 145, 4320-4333.	3.7	9
5	The role of glial cells in multiple sclerosis disease progression. Nature Reviews Neurology, 2022, 18, 237-248.	4.9	53
6	Contact-Dependent Granzyme B-Mediated Cytotoxicity of Th17-Polarized Cells Toward Human Oligodendrocytes. Frontiers in Immunology, 2022, 13, 850616.	2.2	7
7	Regional and ageâ€related diversity of human mature oligodendrocytes. Glia, 2022, 70, 1938-1949.	2.5	9
8	Mitochondrial dynamics and bioenergetics regulated by netrinâ€1 in oligodendrocytes. Glia, 2021, 69, 392-412.	2.5	12
9	Size and ligand effects of gold nanoclusters in alteration of organellar state and translocation of transcription factors in human primary astrocytes. Nanoscale, 2021, 13, 3173-3183.	2.8	11
10	Age-related injury responses of human oligodendrocytes to metabolic insults: link to BCL-2 and autophagy pathways. Communications Biology, 2021, 4, 20.	2.0	17
11	Identification of novel myelin repair drugs by modulation of oligodendroglial differentiation competence. EBioMedicine, 2021, 65, 103276.	2.7	17
12	Barcoded viral tracing of single-cell interactions in central nervous system inflammation. Science, 2021, 372, .	6.0	127
13	COVID-19 and disease-modifying therapies in patients with demyelinating diseases of the central nervous system: A systematic review. Multiple Sclerosis and Related Disorders, 2021, 50, 102800.	0.9	58
14	Pro-inflammatory T helper 17 directly harms oligodendrocytes in neuroinflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
15	Human astrocytes and astrocytoma respond differently to resveratrol. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102441.	1.7	2
16	Glial Cells as Regulators of Neuroimmune Interactions in the Central Nervous System. Journal of Immunology, 2020, 204, 251-255.	0.4	27
17	Species differences in immuneâ€mediated CNS tissue injury and repair: A (neuro)inflammatory topic. Glia, 2020, 68, 811-829.	2.5	28
18	Multiple sclerosis iPS-derived oligodendroglia conserve their properties to functionally interact with axons and glia in vivo. Science Advances, 2020, 6, .	4.7	29

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19	Lesion stage-dependent causes for impaired remyelination in MS. Acta Neuropathologica, 2020, 140, 359-375.	3.9	69
20	Transcriptomic and clonal characterization of T cells in the human central nervous system. Science Immunology, 2020, 5, .	5.6	73
21	Multiple Sclerosis as a Syndromeâ€"Implications for Future Management. Frontiers in Neurology, 2020, 11, 784.	1.1	3
22	Neurological complications of coronavirus infection; a comparative review and lessons learned during the COVID-19 pandemic. Journal of the Neurological Sciences, 2020, 417, 117085.	0.3	159
23	The Identity of Human Tissue-Emigrant CD8+ T Cells. Cell, 2020, 183, 1946-1961.e15.	13.5	58
24	Effects of Biotin on survival, ensheathment, and ATP production by oligodendrocyte lineage cells in vitro. PLoS ONE, 2020, 15, e0233859.	1.1	10
25	Vitamin D Regulates MerTK-Dependent Phagocytosis in Human Myeloid Cells. Journal of Immunology, 2020, 205, 398-406.	0.4	10
26	Single-cell RNA-seq reveals that glioblastoma recapitulates a normal neurodevelopmental hierarchy. Nature Communications, 2020, 11, 3406.	5.8	300
27	Developmental trajectory of oligodendrocyte progenitor cells in the human brain revealed by single cell RNA sequencing. Glia, 2020, 68, 1291-1303.	2.5	44
28	RNA-binding protein altered expression and mislocalization in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	3.1	20
29	MAFG-driven astrocytes promote CNS inflammation. Nature, 2020, 578, 593-599.	13.7	282
30	Title is missing!. , 2020, 15, e0233859.		0
31	Title is missing!. , 2020, 15, e0233859.		0
32	Title is missing!. , 2020, 15, e0233859.		0
33	Title is missing!. , 2020, 15, e0233859.		0
34	Astrocytes in the Pathogenesis of Multiple Sclerosis: An In Situ MicroRNA Study. Journal of Neuropathology and Experimental Neurology, 2019, 78, 1130-1146.	0.9	13
35	Deep learning for high-throughput quantification of oligodendrocyte ensheathment at single-cell resolution. Communications Biology, 2019, 2, 116.	2.0	25
36	Distinct Function-Related Molecular Profile of Adult Human A2B5-Positive Pre-Oligodendrocytes Versus Mature Oligodendrocytes. Journal of Neuropathology and Experimental Neurology, 2019, 78, 468-479.	0.9	16

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37	MSJ 2019 - Editorial comment. Multiple Sclerosis Journal, 2019, 25, 4-5.	1.4	0
38	Control of tumor-associated macrophages and T cells in glioblastoma via AHR and CD39. Nature Neuroscience, 2019, 22, 729-740.	7.1	327
39	Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. Cell, 2019, 179, 1483-1498.e22.	13.5	120
40	Helper CD4 T cells expressing granzyme B cause glial fibrillary acidic protein fragmentation in astrocytes in an MHCIIâ€independent manner. Glia, 2019, 67, 582-593.	2.5	7
41	Environmental Control of Astrocyte Pathogenic Activities in CNS Inflammation. Cell, 2019, 176, 581-596.e18.	13.5	150
42	Immunology of oligodendrocyte precursor cells in vivo and in vitro. Journal of Neuroimmunology, 2019, 331, 28-35.	1.1	13
43	T follicular helper cells in human efferent lymph retain lymphoid characteristics. Journal of Clinical Investigation, 2019, 129, 3185-3200.	3.9	116
44	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
45	MSJ 2018â€”editorial comment. Multiple Sclerosis Journal, 2018, 24, 90-91.	1.4	1
46	Differential transcriptional response profiles in human myeloid cell populations. Clinical Immunology, 2018, 189, 63-74.	1.4	15
47	Glioblastoma stem cell-derived exosomes induce M2 macrophages and PD-L1 expression on human monocytes. OncoImmunology, 2018, 7, e1412909.	2.1	247
48	2018 Editorsâ€™ commentary. Multiple Sclerosis Journal, 2018, 24, 1394-1395.	1.4	0
49	Peripherally derived macrophages modulate microglial function to reduce inflammation after CNS injury. PLoS Biology, 2018, 16, e2005264.	2.6	159
50	Microglial control of astrocytes in response to microbial metabolites. Nature, 2018, 557, 724-728.	13.7	693
51	Human central nervous system astrocytes support survival and activation of B cells: implications for MS pathogenesis. Journal of Neuroinflammation, 2018, 15, 114.	3.1	40
52	Small-Molecule Stabilization of 14-3-3 Protein-Protein Interactions Stimulates Axon Regeneration. Neuron, 2017, 93, 1082-1093.e5.	3.8	66
53	Rapid and efficient generation of oligodendrocytes from human induced pluripotent stem cells using transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2243-E2252.	3.3	189
54	Sphingosine 1-phosphate receptor modulation suppresses pathogenic astrocyte activation and chronic progressive CNS inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2012-2017.	3.3	156

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55	iPSC-Derived Human Microglia-like Cells to Study Neurological Diseases. Neuron, 2017, 94, 278-293.e9.	3.8	730
56	Sublethal oligodendrocyte injury: A reversible condition in multiple sclerosis?. Annals of Neurology, 2017, 81, 811-824.	2.8	30
57	Pro-inflammatory activation of primary microglia and macrophages increases 18â€‰kDa translocator protein expression in rodents but not humans. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2679-2690.	2.4	153
58	Comparative morphology and phagocytic capacity of primary human adult microglia with time-lapse imaging. Journal of Neuroimmunology, 2017, 310, 143-149.	1.1	9
59	Dimethyl fumarateâ€“induced lymphopenia in MS due to differential T-cell subset apoptosis. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e340.	3.1	73
60	An updated histological classification system for multiple sclerosis lesions. Acta Neuropathologica, 2017, 133, 13-24.	3.9	436
61	Dimethyl Fumarate Treatment Mediates an Anti-Inflammatory Shift in B Cell Subsets of Patients with Multiple Sclerosis. Journal of Immunology, 2017, 198, 691-698.	0.4	112
62	Reconstitution of the peripheral immune repertoire following withdrawal of fingolimod. Multiple Sclerosis Journal, 2017, 23, 1225-1232.	1.4	32
63	USP15 regulates type I interferon response and is required for pathogenesis of neuroinflammation. Nature Immunology, 2017, 18, 54-63.	7.0	90
64	MerTK-mediated regulation of myelin phagocytosis by macrophages generated from patients with MS. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e402.	3.1	49
65	Divergent Neuroinflammatory Regulation of Microglial TREM Expression and Involvement of NF-ÎºB. Frontiers in Cellular Neuroscience, 2017, 11, 56.	1.8	51
66	Distinct age and differentiation-state dependent metabolic profiles of oligodendrocytes under optimal and stress conditions. PLoS ONE, 2017, 12, e0182372.	1.1	36
67	CXCR7 Is Involved in Human Oligodendroglial Precursor Cell Maturation. PLoS ONE, 2016, 11, e0146503.	1.1	18
68	Glioblastoma-infiltrated innate immune cells resemble M0 macrophage phenotype. JCI Insight, 2016, 1, .	2.3	356
69	Production of ‹scp›IL‹/scp›â€27 in multiple sclerosis lesions by astrocytes and myeloid cells: Modulation of local immune responses. Glia, 2016, 64, 553-569.	2.5	56
70	Astrocytes in multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1114-1124.	1.4	108
71	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. Nature Medicine, 2016, 22, 586-597.	15.2	987
72	Oligodendrogliopathy in Multiple Sclerosis: Low Glycolytic Metabolic Rate Promotes Oligodendrocyte Survival. Journal of Neuroscience, 2016, 36, 4698-4707.	1.7	89

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73	Effects of fumarates on circulating and CNS myeloid cells in multiple sclerosis. Annals of Clinical and Translational Neurology, 2016, 3, 27-41.	1.7	57
74	Potential Benefit of the Charge-Stabilized Nanostructure Saline RNS60 for Myelin Maintenance and Repair. Scientific Reports, 2016, 6, 30020.	1.6	19
75	MicroRNA Expression Patterns in Human Astrocytes in Relation to Anatomical Location and Age. Journal of Neuropathology and Experimental Neurology, 2016, 75, 156-166.	0.9	35
76	MerTK Is a Functional Regulator of Myelin Phagocytosis by Human Myeloid Cells. Journal of Immunology, 2016, 196, 3375-3384.	0.4	128
77	Sphingosine-1-Phosphate Receptors in the Central Nervous and Immune Systems. Current Drug Targets, 2016, 17, 1841-1850.	1.0	50
78	Sequencing the immunopathologic heterogeneity in multiple sclerosis. Annals of Clinical and Translational Neurology, 2015, 2, 873-874.	1.7	1
79	Mitochondrial and Bioenergetic Dysfunction in Trauma-Induced Painful Peripheral Neuropathy. Molecular Pain, 2015, 11, s12990-015-0057.	1.0	42
80	Fetal microglial phenotype in vitro carries memory of prior in vivo exposure to inflammation. Frontiers in Cellular Neuroscience, 2015, 9, 294.	1.8	43
81	P2Y12 expression and function in alternatively activated human microglia. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e80.	3.1	139
82	Peripheral Nerve Injury Induces Persistent Vascular Dysfunction and Endoneurial Hypoxia, Contributing to the Genesis of Neuropathic Pain. Journal of Neuroscience, 2015, 35, 3346-3359.	1.7	101
83	Roles of microglia in brain development, tissue maintenance and repair. Brain, 2015, 138, 1138-1159.	3.7	316
84	Netrin 1 regulates bloodâ€“brain barrier function and neuroinflammation. Brain, 2015, 138, 1598-1612.	3.7	141
85	Properties of human central nervous system neurons in a glia-depleted (isolated) culture system. Journal of Neuroscience Methods, 2015, 253, 142-150.	1.3	2
86	Regulation of human glia by multiple sclerosis disease modifying therapies. Seminars in Immunopathology, 2015, 37, 639-649.	2.8	9
87	ISDN2014_0027: REMOVED: Identification of a unique molecular and functional microglia signature in health and disease. International Journal of Developmental Neuroscience, 2015, 47, 5-5.	0.7	1
88	Direct and Indirect Effects of Immune and Central Nervous Systemâ€“Resident Cells on Human Oligodendrocyte Progenitor Cell Differentiation. Journal of Immunology, 2015, 194, 761-772.	0.4	75
89	Role of p38MAPK in S1P receptor-mediated differentiation of human oligodendrocyte progenitors. Glia, 2014, 62, 1361-1375.	2.5	49
90	Heterogeneity of oligodendrocyte progenitor cells in adult human brain. Annals of Clinical and Translational Neurology, 2014, 1, 272-283.	1.7	39

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91	The PTEN inhibitor bisperoxovanadium enhances myelination by amplifying IGFâ€1 signaling in rat and human oligodendrocyte progenitors. Glia, 2014, 62, 64-77.	2.5	40
92	Mechanisms of action of fingolimod in multiple sclerosis. Clinical and Experimental Neuroimmunology, 2014, 5, 49-54.	0.5	10
93	A Novel Injectable Chitosan Sponge Containing Brain Derived Neurotrophic Factor (BDNF) to Enhance Human Oligodendrocyte Progenitor Cells' (OPC) Differentiation. Materials Research Society Symposia Proceedings, 2014, 1621, 127-132.	0.1	0
94	Identification of a unique TGF-Î²â€“dependent molecular and functional signature in microglia. Nature Neuroscience, 2014, 17, 131-143.	7.1	2,056
95	Regulation of astrocyte activation by glycolipids drives chronic CNS inflammation. Nature Medicine, 2014, 20, 1147-1156.	15.2	380
96	A Novel MicroRNA-132-Surtuin-1 Axis Underlies Aberrant B-cell Cytokine Regulation in Patients with Relapsing-Remitting Multiple Sclerosis. PLoS ONE, 2014, 9, e105421.	1.1	81
97	Dual effects of daily FTY720 on human astrocytes in vitro: relevance for neuroinflammation. Journal of Neuroinflammation, 2013, 10, 41.	3.1	48
98	Isolating, Culturing, and Polarizing Primary Human Adult and Fetal Microglia. Methods in Molecular Biology, 2013, 1041, 199-211.	0.4	55
99	Oligodendrocyte Progenitor Cell Susceptibility to Injury in Multiple Sclerosis. American Journal of Pathology, 2013, 183, 516-525.	1.9	61
100	miRâ€155 as a multiple sclerosisâ€“relevant regulator of myeloid cell polarization. Annals of Neurology, 2013, 74, 709-720.	2.8	189
101	Diminished Th17 (not Th1) responses underlie multiple sclerosis disease abrogation after hematopoietic stem cell transplantation. Annals of Neurology, 2013, 73, 341-354.	2.8	130
102	Full-Length and Fragmented Netrin-1 in Multiple Sclerosis Plaques Are Inhibitors of Oligodendrocyte Precursor Cell Migration. American Journal of Pathology, 2013, 183, 673-680.	1.9	36
103	Effects of Current Medical Therapies on Reparative and Neuroprotective Functions in Multiple Sclerosis. , 2013, , 203-231.		0
104	Basis for fluctuations in lymphocyte counts in fingolimod-treated patients with multiple sclerosis. Neurology, 2013, 81, 1768-1772.	1.5	26
105	Cytotoxic NKG2C+ CD4 T Cells Target Oligodendrocytes in Multiple Sclerosis. Journal of Immunology, 2013, 190, 2510-2518.	0.4	86
106	Limited TCF7L2 Expression in MS Lesions. PLoS ONE, 2013, 8, e72822.	1.1	24
107	Assessment of Sphingosine-1-Phosphate Receptor Expression and Associated Intracellular Signaling Cascades in Primary Cells of the Human Central Nervous System. Methods in Molecular Biology, 2012, 874, 141-154.	0.4	2
108	Human Fetal Oligodendrocyte Progenitor Cells from Different Gestational Stages Exhibit Substantially Different Potential to Myelinate. Stem Cells and Development, 2012, 21, 1831-1837.	1.1	29

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109	Oligodendrocyte Precursor Cell Transplantation into Organotypic Cerebellar Shiverer Slices: A Model to Study Myelination and Myelin Maintenance. PLoS ONE, 2012, 7, e41237.	1.1	19
110	Regulation of miRNA 219 and miRNA Clusters 338 and 17-92 in Oligodendrocytes. Frontiers in Genetics, 2012, 3, 46.	1.1	41
111	Comparison of polarization properties of human adult microglia and bloodâ€derived macrophages. Glia, 2012, 60, 717-727.	2.5	393
112	Primary progressive multiple sclerosis: part of the MS disease spectrum or separate disease entity?. Acta Neuropathologica, 2012, 123, 627-638.	3.9	176
113	Neurobiological effects of sphingosine 1â€phosphate receptor modulation in the cuprizone model. FASEB Journal, 2011, 25, 1509-1518.	0.2	99
114	The Tryptophan Metabolite 3-Hydroxyanthranilic Acid Plays Anti-Inflammatory and Neuroprotective Roles During Inflammation. American Journal of Pathology, 2011, 179, 1360-1372.	1.9	129
115	Cells of the oligodendroglial lineage, myelination, and remyelination. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 184-193.	1.8	211
116	Differential responses of human microglia and blood-derived myeloid cells to FTY720. Journal of Neuroimmunology, 2011, 230, 10-16.	1.1	62
117	The majority of infiltrating CD8 T lymphocytes in multiple sclerosis lesions is insensitive to enhanced PDâ€1 levels on CNS cells. Glia, 2011, 59, 841-856.	2.5	47
118	Modulation of sphingosine 1-phosphate signaling in neurologic disease. Neurology, 2011, 76, S1-2.	1.5	2
119	Response of Human Oligodendrocyte Progenitors to Growth Factors and Axon Signals. Journal of Neuropathology and Experimental Neurology, 2010, 69, 930-944.	0.9	43
120	New Directions in Multiple Sclerosis Therapy: Matching Therapy with Pathogenesis. Canadian Journal of Neurological Sciences, 2010, 37, S42-S48.	0.3	1
121	Reconstitution of circulating lymphocyte counts in FTY720-treated MS patients. Clinical Immunology, 2010, 137, 15-20.	1.4	51
122	A central role for RhoA during oligodendroglial maturation in the switch from Netrinâ€1â€mediated chemorepulsion to process elaboration. Journal of Neurochemistry, 2010, 113, 1589-1597.	2.1	44
123	Contribution of Astrocyte-Derived IL-15 to CD8 T Cell Effector Functions in Multiple Sclerosis. Journal of Immunology, 2010, 185, 5693-5703.	0.4	89
124	Distinct Properties of Circulating CD8+ T Cells in FTY720-Treated Patients With Multiple Sclerosis. Archives of Neurology, 2010, 67, 1449-55.	4.9	32
125	Distinct migratory and cytokine responses of human microglia and macrophages to ATP. Brain, Behavior, and Immunity, 2010, 24, 1241-1248.	2.0	38
126	Fingolimod (FTY720) Enhances Remyelination Following Demyelination of Organotypic Cerebellar Slices. American Journal of Pathology, 2010, 176, 2682-2694.	1.9	254

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127	Netrin 1 and Dcc regulate oligodendrocyte process branching and membrane extension via Fyn and RhoA. Development (Cambridge), 2009, 136, 415-426.	1.2	105
128	Rituximab in patients with primary progressive multiple sclerosis: Results of a randomized doubleâ€blind placeboâ€controlled multicenter trial. Annals of Neurology, 2009, 66, 460-471.	2.8	815
129	Isolation and Culture of Primary Human CNS Neural Cells. Springer Protocols, 2009, , 87-104.	0.1	3
130	Statin Therapy Inhibits Remyelination in the Central Nervous System. American Journal of Pathology, 2009, 174, 1880-1890.	1.9	118
131	The CNS as a therapeutic target in multiple sclerosis. Current Neurology and Neuroscience Reports, 2008, 8, 445-447.	2.0	1
132	FTY720 modulates human oligodendrocyte progenitor process extension and survival. Annals of Neurology, 2008, 63, 61-71.	2.8	244
133	Widespread immunoreactivity for neuronal nuclei in cultured human and rodent astrocytes. Journal of Neurochemistry, 2008, 104, 1201-1209.	2.1	28
134	Central nervous system-directed effects of FTY720 (fingolimod). Journal of the Neurological Sciences, 2008, 274, 13-17.	0.3	158
135	Central nervous system effects of current and emerging multiple sclerosis-directed immuno-therapies. Clinical Neurology and Neurosurgery, 2008, 110, 951-957.	0.6	20
136	Cyclical and Dose-Dependent Responses of Adult Human Mature Oligodendrocytes to Fingolimod. American Journal of Pathology, 2008, 173, 1143-1152.	1.9	91
137	Dendritic Cell Differentiation Signals Induce Anti-Inflammatory Properties in Human Adult Microglia. Journal of Immunology, 2008, 181, 8288-8297.	0.4	42
138	Innate Immune-Mediated Neuronal Injury Consequent to Loss of Astrocytes. Journal of Neuropathology and Experimental Neurology, 2008, 67, 590-599.	0.9	24
139	NKG2D-Mediated Cytotoxicity toward Oligodendrocytes Suggests a Mechanism for Tissue Injury in Multiple Sclerosis. Journal of Neuroscience, 2007, 27, 1220-1228.	1.7	84
140	Th1 Polarization of CD4+ T Cells by Toll-Like Receptor 3-Activated Human Microglia. Journal of Neuropathology and Experimental Neurology, 2007, 66, 848-859.	0.9	30
141	Simvastatin regulates oligodendroglial process dynamics and survival. Glia, 2007, 55, 130-143.	2.5	84
142	Contrasting potential of nitric oxide and peroxynitrite to mediate oligodendrocyte injury in multiple sclerosis. Glia, 2007, 55, 926-934.	2.5	68
143	Extensive Cortical Remyelination in Patients with Chronic Multiple Sclerosis. Brain Pathology, 2007, 17, 129-138.	2.1	265
144	IL-15 and IL-15RÎ± Expressed in Human Central Nervous System by Astrocytes Contribute to CD8 T Lymphocyte Activation and Persistence: Implications for Multiple Sclerosis. Clinical Immunology, 2007, 123, S147-S148.	1.4	1

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145	The search for the missing links in multiple sclerosis. Current Neurology and Neuroscience Reports, 2007, 7, 93-94.	2.0	1
146	Oral Fingolimod (FTY720) for Relapsing Multiple Sclerosis. New England Journal of Medicine, 2006, 355, 1124-1140.	13.9	996
147	Continued Administration of Ciliary Neurotrophic Factor Protects Mice from Inflammatory Pathology in Experimental Autoimmune Encephalomyelitis. American Journal of Pathology, 2006, 169, 584-598.	1.9	65
148	Oligodendrocyte/myelin injury and repair as a function of the central nervous system environment. Clinical Neurology and Neurosurgery, 2006, 108, 245-249.	0.6	12
149	Potential for Interferon Betaâ€"Induced Serum Antibodies in Multiple Sclerosis to Inhibit Endogenous Interferon-Regulated Chemokine/Cytokine Responses Within the Central Nervous System. Archives of Neurology, 2006, 63, 1296.	4.9	20
150	Roles of immunoglobulins and B cells in multiple sclerosis: From pathogenesis to treatment. Journal of Neuroimmunology, 2006, 180, 3-8.	1.1	80
151	Natalizumab effects on immune cell responses in multiple sclerosis. Annals of Neurology, 2006, 59, 748-754.	2.8	190
152	Immunobiology of oligodendrocytes in multiple sclerosis. Advances in Neurology, 2006, 98, 47-63.	0.8	4
153	Pathogenesis of multiple sclerosis. Current Opinion in Neurology, 2005, 18, 225-230.	1.8	142
154	Microglia and multiple sclerosis. Journal of Neuroscience Research, 2005, 81, 363-373.	1.3	174
155	TLR Signaling Tailors Innate Immune Responses in Human Microglia and Astrocytes. Journal of Immunology, 2005, 175, 4320-4330.	0.4	636
156	Interferon Beta Promotes Nerve Growth Factor Secretion Early in the Course of Multiple Sclerosis. Archives of Neurology, 2005, 62, 563.	4.9	87
157	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.	1.7	150
158	Th1 and Th2 lymphocyte migration across the human BBB is specifically regulated by interferon Î² and copolymer-1. Journal of Autoimmunity, 2005, 24, 119-124.	3.0	47
159	Multiple sclerosis and immune regulatory cells. Brain, 2004, 127, 1915-1916.	3.7	9
160	Resistance of human adult oligodendrocytes to AMPA/kainate receptor-mediated glutamate injury. Brain, 2004, 127, 2636-2648.	3.7	52
161	Type 2 Monocyte and Microglia Differentiation Mediated by Glatiramer Acetate Therapy in Patients with Multiple Sclerosis. Journal of Immunology, 2004, 172, 7144-7153.	0.4	187
162	Inflammatory potential and migratory capacities across human brain endothelial cells of distinct glatiramer acetate-reactive T cells generated in treated multiple sclerosis patients. Clinical Immunology, 2004, 111, 38-46.	1.4	18

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163	Distinctive Properties of Human Adult Brain-Derived Myelin Progenitor Cells. American Journal of Pathology, 2004, 165, 2167-2175.	1.9	59
164	Inflammation and Remyelination in the Central Nervous System. American Journal of Pathology, 2004, 164, 1519-1522.	1.9	18
165	Regulation of Cellular and Molecular Trafficking across Human Brain Endothelial Cells by Th1- and Th2-Polarized Lymphocytes. Journal of Neuropathology and Experimental Neurology, 2004, 63, 223-232.	0.9	35
166	Human brain endothelial cells supply support for monocyte immunoregulatory functions. Journal of Neuroimmunology, 2003, 135, 96-106.	1.1	10
167	Differential effects of Th1 and Th2 lymphocyte supernatants on human microglia. Glia, 2003, 42, 36-45.	2.5	35
168	Phagocytosis of apoptotic inflammatory cells by microglia and its therapeutic implications: Termination of CNS autoimmune inflammation and modulation by interferon-beta. Glia, 2003, 43, 231-242.	2.5	68
169	Oligodendrocyte injury in multiple sclerosis: a role for p53. Journal of Neurochemistry, 2003, 85, 635-644.	2.1	85
170	Determinants of Human B Cell Migration Across Brain Endothelial Cells. Journal of Immunology, 2003, 170, 4497-4505.	0.4	175
171	Vulnerability of Human Neurons to T Cell-Mediated Cytotoxicity. Journal of Immunology, 2003, 171, 368-379.	0.4	198
172	Regulation and Functional Effects of Monocyte Migration across Human Brain-Derived Endothelial Cells. Journal of Neuropathology and Experimental Neurology, 2003, 62, 412-419.	0.9	77
173	Do Myelin-Directed Antibodies Predict Multiple Sclerosis?. New England Journal of Medicine, 2003, 349, 107-109.	13.9	37
174	Migration of Multiple Sclerosis Lymphocytes Through Brain Endothelium. Archives of Neurology, 2002, 59, 391.	4.9	110
175	ADP and AMP Induce Interleukin-1Î² Release from Microglial Cells through Activation of ATP-Primed P2X₇ Receptor Channels. Journal of Neuroscience, 2002, 22, 3061-3069.	1.7	150
176	p53 Induction by Tumor Necrosis Factor-Î± and Involvement of p53 in Cell Death of Human Oligodendrocytes. Journal of Neurochemistry, 2002, 73, 605-611.	2.1	53
177	Regulation of Th1 and Th2 Lymphocyte Migration by Human Adult Brain Endothelial Cells. Journal of Neuropathology and Experimental Neurology, 2001, 60, 1127-1136.	0.9	79
178	NG2 immunoreactivity on human brain endothelial cells. Acta Neuropathologica, 2001, 102, 313-320.	3.9	21
179	Glial cell influence on the human blood-brain barrier. Glia, 2001, 36, 145-155.	2.5	282
180	Caspase 8 expression and signaling in Fas injury-resistant human fetal astrocytes. Glia, 2001, 33, 217-224.	2.5	35

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181	Genetic models for CNS inflammation. Nature Medicine, 2001, 7, 161-166.	15.2	169
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