Roberto Furlan

List of Publications by Year
in descending order

196	14,217	19657 61	23533 111
papers	citations	h-index	g-index

200	200	200	17989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anxiety and depression in COVID-19 survivors: Role of inflammatory and clinical predictors. Brain, Behavior, and Immunity, 2020, 89, 594-600.	4.1	1,118
2	Injection of adult neurospheres induces recovery in a chronic model of multiple sclerosis. Nature, 2003, 422, 688-694.	27.8	1,057
3	Neurosphere-derived multipotent precursors promote neuroprotection by an immunomodulatory mechanism. Nature, 2005, 436, 266-271.	27.8	756
4	Acid sphingomyelinase activity triggers microparticle release from glial cells. EMBO Journal, 2009, 28, 1043-1054.	7.8	499
5	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. ACS Nano, 2016, 10, 3886-3899.	14.6	397
6	Inflammation Triggers Synaptic Alteration and Degeneration in Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2009, 29, 3442-3452.	3.6	331
7	Persistent psychopathology and neurocognitive impairment in COVID-19 survivors: Effect of inflammatory biomarkers at three-month follow-up. Brain, Behavior, and Immunity, 2021, 94, 138-147.	4.1	299
8	Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. Annals of Neurology, 2012, 72, 610-624.	5.3	277
9	Leukocyte Recruitment in the Cerebrospinal Fluid of Mice with Experimental Meningitis Is Inhibited by an Antibody to Junctional Adhesion Molecule (Jam). Journal of Experimental Medicine, 1999, 190, 1351-1356.	8.5	268
10	Conversion from clinically isolated syndrome to multiple sclerosis: A large multicentre study. Multiple Sclerosis Journal, 2015, 21, 1013-1024.	3.0	249
11	Secondary progressive multiple sclerosis: current knowledge and future challenges. Lancet Neurology, The, 2006, 5, 343-354.	10.2	246
12	Microglia convert aggregated amyloid-Î² into neurotoxic forms through the shedding of microvesicles. Cell Death and Differentiation, 2014, 21, 582-593.	11.2	219
13	Glia-to-neuron transfer of miRNAs via extracellular vesicles: a new mechanism underlying inflammation-induced synaptic alterations. Acta Neuropathologica, 2018, 135, 529-550.	7.7	196
14	Altered miRNA expression in T regulatory cells in course of multiple sclerosis. Journal of Neuroimmunology, 2010, 226, 165-171.	2.3	188
15	The endocannabinoid system is dysregulated in multiple sclerosis and in experimental autoimmune encephalomyelitis. Brain, 2007, 130, 2543-2553.	7.6	185
16	Intrathecal Delivery of IFN-Î³ Protects C57BL/6 Mice from Chronic-Progressive Experimental Autoimmune Encephalomyelitis by Increasing Apoptosis of Central Nervous System-Infiltrating Lymphocytes. Journal of Immunology, 2001, 167, 1821-1829.	0.8	182
17	Interleukinâ€•1Î² causes synaptic hyperexcitability in multiple sclerosis. Annals of Neurology, 2012, 71, 76-83.	5.3	178
18	Neural progenitor cells orchestrate microglia migration and positioning into the developing cortex. Nature Communications, 2014, 5, 5611.	12.8	177

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19	The link between inflammation, synaptic transmission and neurodegeneration in multiple sclerosis. Cell Death and Differentiation, 2010, 17, 1083-1091.	11.2	161
20	Neuroinflammation in Bipolar Depression. Frontiers in Psychiatry, 2020, 11, 71.	2.6	161
21	Serum and CSF levels of MCP-1 and IP-10 in multiple sclerosis patients with acute and stable disease and undergoing immunomodulatory therapies. Journal of Neuroimmunology, 2001, 115, 192-198.	2.3	158
22	Microglial microvesicle secretion and intercellular signaling. Frontiers in Physiology, 2012, 3, 149.	2.8	149
23	Activation of invariant NKT cells by Î±GalCer administration protects mice from MOG35â€"55-induced EAE: critical roles for administration route and IFN-Î³. European Journal of Immunology, 2003, 33, 1830-1838.	2.9	132
24	Heterogeneity of autoantibodies in stiffâ€man syndrome. Annals of Neurology, 1993, 34, 57-64.	5.3	121
25	Î±-Lipoic acid is effective in prevention and treatment of experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2004, 148, 146-153.	2.3	118
26	IL4 induces IL6-producing M2 macrophages associated to inhibition of neuroinflammation in vitro and in vivo. Journal of Neuroinflammation, 2016, 13, 139.	7.2	118
27	Neuroinflammation drives anxiety and depression in relapsing-remitting multiple sclerosis. Neurology, 2017, 89, 1338-1347.	1.1	118
28	Tumor necrosis factor is elevated in progressive multiple sclerosis and causes excitotoxic neurodegeneration. Multiple Sclerosis Journal, 2014, 20, 304-312.	3.0	117
29	Fibroblast growth factor-II gene therapy reverts the clinical course and the pathological signs of chronic experimental autoimmune encephalomyelitis in C57BL/6 mice. Gene Therapy, 2001, 8, 1207-1213.	4.5	114
30	Vaccination with amyloid-beta peptide induces autoimmune encephalomyelitis in C57/BL6 mice. Brain, 2003, 126, 285-291.	7.6	109
31	Exercise attenuates the clinical, synaptic and dendritic abnormalities of experimental autoimmune encephalomyelitis. Neurobiology of Disease, 2009, 36, 51-59.	4.4	108
32	Lab-on-Chip for Exosomes and Microvesicles Detection and Characterization. Sensors, 2018, 18, 3175.	3.8	107
33	Animal Models of Multiple Sclerosis. Methods in Molecular Biology, 2009, 549, 157-173.	0.9	103
34	IL4 gene delivery to the CNS recruits regulatory T cells and induces clinical recovery in mouse models of multiple sclerosis. Gene Therapy, 2008, 15, 504-515.	4.5	101
35	Modulation of dendritic cell properties by laquinimod as a mechanism for modulating multiple sclerosis. Brain, 2013, 136, 1048-1066.	7.6	100
36	Serum neurofilament light as a biomarker in progressive multiple sclerosis. Neurology, 2020, 95, 436-444.	1.1	100

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37	Vitamin D levels and risk of multiple sclerosis in patients with clinically isolated syndromes. Multiple Sclerosis Journal, 2014, 20, 147-155.	3.0	94
38	Extracellular Vesicles Containing IL-4 Modulate Neuroinflammation in a Mouse Model of Multiple Sclerosis. Molecular Therapy, 2018, 26, 2107-2118.	8.2	93
39	Myeloid microvesicles in cerebrospinal fluid are associated with myelin damage and neuronal loss in mild cognitive impairment and <scp>A</scp>lzheimer disease. Annals of Neurology, 2014, 76, 813-825.	5.3	91
40	Impaired striatal GABA transmission in experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2011, 25, 947-956.	4.1	90
41	Microvesicles: Novel Biomarkers for Neurological Disorders. Frontiers in Physiology, 2012, 3, 63.	2.8	90
42	Rapamycin inhibits relapsing experimental autoimmune encephalomyelitis by both effector and regulatory T cells modulation. Journal of Neuroimmunology, 2010, 220, 52-63.	2.3	88
43	The impact of storage on extracellular vesicles: A systematic study. Journal of Extracellular Vesicles, 2022, 11, e12162.	12.2	88
44	Central nervous system gene therapy with interleukin-4 inhibits progression of ongoing relapsingâ€“remitting autoimmune encephalomyelitis in Biozzi AB/H mice. Gene Therapy, 2001, 8, 13-19.	4.5	80
45	Multifaceted aspects of inflammation in multiple sclerosis: The role of microglia. Journal of Neuroimmunology, 2007, 191, 39-44.	2.3	79
46	Interleukin-1Î² causes excitotoxic neurodegeneration and multiple sclerosis disease progression by activating the apoptotic protein p53. Molecular Neurodegeneration, 2014, 9, 56.	10.8	78
47	Activated macrophages release microvesicles containing polarized M1 or M2 mRNAs. Journal of Leukocyte Biology, 2013, 95, 817-825.	3.3	76
48	Extracellular Vesicles in Alzheimerâ€™s Disease: Friends or Foes? Focus on AÎ²-Vesicle Interaction. International Journal of Molecular Sciences, 2015, 16, 4800-4813.	4.1	73
49	Classical and unconventional pathways of vesicular release in microglia. Glia, 2013, 61, 1003-1017.	4.9	72
50	Obesity worsens central inflammation and disability in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 1237-1246.	3.0	72
51	Synaptic Plasticity and PDGF Signaling Defects Underlie Clinical Progression in Multiple Sclerosis. Journal of Neuroscience, 2013, 33, 19112-19119.	3.6	70
52	Increased M1/decreased M2 signature and signs of Th1/Th2 shift in chronic patients with bipolar disorder, but not in those with schizophrenia. Translational Psychiatry, 2014, 4, e406-e406.	4.8	70
53	Cerebrospinal fluid detection of interleukin-1Î² in phase of remission predicts disease progression in multiple sclerosis. Journal of Neuroinflammation, 2014, 11, 32.	7.2	70
54	Method for intracellular magnetic labeling of human mononuclear cells using approved iron contrast agents. Magnetic Resonance Imaging, 1999, 17, 1521-1523.	1.8	69

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55	The therapeutic effect of mesenchymal stem cell transplantation in experimental autoimmune encephalomyelitis is mediated by peripheral and central mechanisms. Stem Cell Research and Therapy, 2012, 3, 3.	5.5	68
56	Interferon-Î² treatment in multiple sclerosis patients decreases the number of circulating T cells producing interferon-Î³ and interleukin-4. Journal of Neuroimmunology, 2000, 111, 86-92.	2.3	67
57	Oral fingolimod rescues the functional deficits of synapses in experimental autoimmune encephalomyelitis. British Journal of Pharmacology, 2012, 165, 861-869.	5.4	67
58	Long-term consequences of COVID-19 on cognitive functioning up to 6Âmonths after discharge: role of depression and impact on quality of life. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 773-782.	3.2	67
59	Cell-based remyelinating therapies in multiple sclerosis: evidence from experimental studies. Current Opinion in Neurology, 2004, 17, 247-255.	3.6	64
60	Cannabinoid CB1 receptors regulate neuronal TNF-Î± effects in experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2011, 25, 1242-1248.	4.1	64
61	Interleukin-1Î² Promotes Long-Term Potentiation in Patients with Multiple Sclerosis. NeuroMolecular Medicine, 2014, 16, 38-51.	3.4	64
62	T Regulatory Cells Are Markers of Disease Activity in Multiple Sclerosis Patients. PLoS ONE, 2011, 6, e21386.	2.5	64
63	Antiacquaporin 4 antibodies detection by different techniques in neuromyelitis optica patients. Multiple Sclerosis Journal, 2009, 15, 1153-1163.	3.0	63
64	Extracellular vesicles in neurodegenerative diseases. Molecular Aspects of Medicine, 2018, 60, 52-61.	6.4	63
65	Blood neurofilament light chain and total tau levels at admission predict death in COVID-19 patients. Journal of Neurology, 2021, 268, 4436-4442.	3.6	63
66	The ependymal route to the CNS: an emerging gene-therapy approach for MS. Trends in Immunology, 2001, 22, 483-490.	6.8	61
67	IL-17â€" and IFN-Î³â€"Secreting Foxp3+ T Cells Infiltrate the Target Tissue in Experimental Autoimmunity. Journal of Immunology, 2010, 185, 7467-7473.	0.8	61
68	Diagnostic value of IgG4 Indices in IgG4-Related Hypertrophic Pachymeningitis. Journal of Neuroimmunology, 2014, 266, 82-86.	2.3	61
69	Extracellular ATP induces the rapid release of HIV-1 from virus containing compartments of human macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3265-73.	7.1	61
70	Cytokines and immunity in multiple sclerosis: the dual signal hypothesis. Journal of Neuroimmunology, 2000, 109, 3-9.	2.3	60
71	Subclinical central inflammation is risk for RIS and CIS conversion to MS. Multiple Sclerosis Journal, 2015, 21, 1443-1452.	3.0	58
72	Delivery to the Central Nervous System of a Nonreplicative Herpes Simplex Type 1 Vector Engineered with the Interleukin 4 Gene Protects Rhesus Monkeys from Hyperacute Autoimmune Encephalomyelitis. Human Gene Therapy, 2001, 12, 905-920.	2.7	57

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73	Prognostic value of serum neurofilaments in patients with clinically isolated syndromes. Neurology, 2019, 92, e733-e741.	1.1	57
74	Brain correlates of depression, post-traumatic distress, and inflammatory biomarkers in COVID-19 survivors: A multimodal magnetic resonance imaging study. Brain, Behavior, & Immunity - Health, 2021, 18, 100387.	2.5	57
75	One-year mental health outcomes in a cohort of COVID-19 survivors. Journal of Psychiatric Research, 2022, 145, 118-124.	3.1	57
76	T helper 9 cells induced by plasmacytoid dendritic cells regulate interleukin-17Âin multiple sclerosis. Clinical Science, 2015, 129, 291-303.	4.3	55
77	MiR-125a-3p timely inhibits oligodendroglial maturation and is pathologically up-regulated in human multiple sclerosis. Scientific Reports, 2016, 6, 34503.	3.3	55
78	Potential role of IL-13 in neuroprotection and cortical excitability regulation in multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 1301-1312.	3.0	54
79	A new approach to follow a single extracellular vesicleâ€"cell interaction using optical tweezers. BioTechniques, 2016, 60, 35.	1.8	54
80	Consensus Guidelines for CSF and Blood Biobanking for CNS Biomarker Studies. Multiple Sclerosis International, 2011, 2011, 1-9.	0.8	52
81	Interleukin 4 modulates microglia homeostasis and attenuates the early slowly progressive phase of amyotrophic lateral sclerosis. Cell Death and Disease, 2018, 9, 250.	6.3	52
82	A peripheral inflammatory signature discriminates bipolar from unipolar depression: A machine learning approach. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 105, 110136.	4.8	49
83	Oxidative Stress Is Differentially Present in Multiple Sclerosis Courses, Early Evident, and Unrelated to Treatment. Journal of Immunology Research, 2014, 2014, 1-9.	2.2	48
84	Microvesicles: What is the Role in Multiple Sclerosis?. Frontiers in Neurology, 2015, 6, 111.	2.4	46
85	RANTES correlates with inflammatory activity and synaptic excitability in multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1405-1412.	3.0	46
86	Mutational Analysis Identifies Residues Crucial for Homodimerization of Myeloid Differentiation Factor 88 (MyD88) and for Its Function in Immune Cells. Journal of Biological Chemistry, 2013, 288, 30210-30222.	3.4	45
87	Cytokine therapy in immune-mediated demyelinating diseases of the central nervous system: a novel gene therapy approach. Journal of Neuroimmunology, 2000, 107, 184-190.	2.3	43
88	HSV-1-mediated IL-1 receptor antagonist gene therapy ameliorates MOG35â€"55-induced experimental autoimmune encephalomyelitis in C57BL/6 mice. Gene Therapy, 2007, 14, 93-98.	4.5	43
89	Allogeneic hematopoietic stem cell transplantation for neuromyelitis optica. Annals of Neurology, 2014, 75, 447-453.	5.3	43
90	Monocyte mitochondrial dysfunction, inflammaging, and inflammatory pyroptosis in major depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110391.	4.8	43

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91	Cerebrospinal Fluid Analysis in Immunoglobulin G4-related Hypertrophic Pachymeningitis. Journal of Rheumatology, 2013, 40, 1927-1929.	2.0	42
92	Abnormal <scp>NMDA</scp> receptor function exacerbates experimental autoimmune encephalomyelitis. British Journal of Pharmacology, 2013, 168, 502-517.	5.4	39
93	Immunological patterns identifying disease course and evolution in multiple sclerosis patients. Journal of Neuroimmunology, 2005, 165, 192-200.	2.3	38
94	Delayed treatment of MS is associated with high CSF levels of IL-6 and IL-8 and worse future disease course. Journal of Neurology, 2018, 265, 2540-2547.	3.6	38
95	Differential local tissue permissiveness influences the final fate of <scp>GPR</scp>17â€expressing oligodendrocyte precursors in two distinct models of demyelination. Glia, 2018, 66, 1118-1130.	4.9	37
96	SARS-CoV-2 serology after COVID-19 in multiple sclerosis: An international cohort study. Multiple Sclerosis Journal, 2022, 28, 1034-1040.	3.0	37
97	Characterization of immune cell subsets during the active phase of multiple sclerosis reveals disease and c-Jun N-terminal kinase pathway biomarkers. Multiple Sclerosis Journal, 2011, 17, 43-56.	3.0	36
98	Effects of Isoxazolo-Pyridinone 7e, a Potent Activator of the Nurr1 Signaling Pathway, on Experimental Autoimmune Encephalomyelitis in Mice. PLoS ONE, 2014, 9, e108791.	2.5	36
99	Cytokine Gene Delivery into the Central Nervous System Using Intrathecally Injected Nonreplicative Viral Vectors. , 2003, 215, 279-290.		35
100	Cxcl10 enhances blood cells migration in the sub-ventricular zone of mice affected by experimental autoimmune encephalomyelitis. Molecular and Cellular Neurosciences, 2010, 43, 268-280.	2.2	34
101	Dysregulation of MS risk genes and pathways at distinct stages of disease. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e337.	6.0	34
102	AMBRA1 Controls Regulatory T-Cell Differentiation and Homeostasis Upstream of the FOXO3-FOXP3 Axis. Developmental Cell, 2018, 47, 592-607.e6.	7.0	34
103	Cytokines Stimulate the Release of Microvesicles from Myeloid Cells Independently from the P2X7 Receptor/Acid Sphingomyelinase Pathway. Frontiers in Immunology, 2018, 9, 204.	4.8	34
104	Extracellular Vesicles in Neuroinflammation. Frontiers in Cell and Developmental Biology, 2020, 8, 623039.	3.7	34
105	Transient Receptor Potential Vanilloid 1 Modulates Central Inflammation in Multiple Sclerosis. Frontiers in Neurology, 2019, 10, 30.	2.4	33
106	IL-6 in the Cerebrospinal Fluid Signals Disease Activity in Multiple Sclerosis. Frontiers in Cellular Neuroscience, 2020, 14, 120.	3.7	32
107	IL-27, but not IL-35, inhibits neuroinflammation through modulating GM-CSF expression. Scientific Reports, 2017, 7, 16547.	3.3	30
108	Monocytes P2X7 purinergic receptor is modulated by glatiramer acetate in multiple sclerosis. Journal of Neuroimmunology, 2012, 245, 93-97.	2.3	28

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109	Protective Role of Cerebrospinal Fluid Inflammatory Cytokines in Patients with Amnestic Mild Cognitive Impairment and Early Alzheimerâ€™s Disease Carrying Apolipoprotein E4 Genotype. Journal of Alzheimer's Disease, 2020, 76, 681-689.	2.6	27
110	Immune and central nervous system-related miRNAs expression profiling in monocytes of multiple sclerosis patients. Scientific Reports, 2020, 10, 6125.	3.3	27
111	Î²-Endorphin Concentrations in Peripheral Blood Mononuclear Cells of Patients With Multiple Sclerosis. Archives of Neurology, 2000, 57, 1178.	4.5	26
112	Abnormal activity of the Na/Ca exchanger enhances glutamate transmission in experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2010, 24, 1379-1385.	4.1	26
113	Involvement of calcitonin gene-related peptide and receptor component protein in experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2014, 271, 18-29.	2.3	26
114	Interleukin-6 Disrupts Synaptic Plasticity and Impairs Tissue Damage Compensation in Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2019, 33, 825-835.	2.9	26
115	NG2, a common denominator for neuroinflammation, bloodâ€“brain barrier alteration, and oligodendrocyte precursor response in EAE, plays a role in dendritic cell activation. Acta Neuropathologica, 2016, 132, 23-42.	7.7	25
116	Higher baseline interleukin-1Î² and TNF-Î± hamper antidepressant response in major depressive disorder. European Neuropsychopharmacology, 2021, 42, 35-44.	0.7	25
117	A nitric oxide releasing derivative of flurbiprofen inhibits experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2004, 150, 10-19.	2.3	24
118	The microRNA let-7b-5p Is Negatively Associated with Inflammation and Disease Severity in Multiple Sclerosis. Cells, 2021, 10, 330.	4.1	24
119	Myeloid Extracellular Vesicles: Messengers from the Demented Brain. Frontiers in Immunology, 2016, 7, 17.	4.8	23
120	Cellular magnetic resonance with iron oxide nanoparticles: long-term persistence of SPIO signal in the CNS after transplanted cell death. Nanomedicine, 2014, 9, 1457-1474.	3.3	22
121	Pentraxinâ€3 is upregulated in the central nervous system during MS and EAE, but does not modulate experimental neurological disease. European Journal of Immunology, 2016, 46, 701-711.	2.9	22
122	Comparative Neuroregenerative Effects of C-Phycocyanin and IFN-Beta in a Model of Multiple Sclerosis in Mice. Journal of NeuroImmune Pharmacology, 2016, 11, 153-167.	4.1	22
123	Transcriptional dysregulation of Interferome in experimental and human Multiple Sclerosis. Scientific Reports, 2017, 7, 8981.	3.3	22
124	Platelet-derived growth factor predicts prolonged relapse-free period in multiple sclerosis. Journal of Neuroinflammation, 2018, 15, 108.	7.2	22
125	Administration of a monomeric CCL2 variant to EAE mice inhibits inflammatory cell recruitment and protects from demyelination and axonal loss. Journal of Neuroimmunology, 2009, 209, 33-39.	2.3	21
126	Amyloid-Î² Homeostasis Bridges Inflammation, Synaptic Plasticity Deficits and Cognitive Dysfunction in Multiple Sclerosis. Frontiers in Molecular Neuroscience, 2017, 10, 390.	2.9	21

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127	Neuroinflammation Is Associated with GFAP and sTREM2 Levels in Multiple Sclerosis. Biomolecules, 2022, 12, 222.	4.0	21
128	Adult T-Cell Leukemia/Lymphoma in Northeastern Brazil: A Clinical, Histopathologic, and Molecular Study. Journal of Acquired Immune Deficiency Syndromes (1999), 1999, 21, 65-71.	2.1	20
129	Clinical significance of the number of oligoclonal bands in patients with clinically isolated syndromes. Journal of Neuroimmunology, 2015, 289, 62-67.	2.3	20
130	Lentiviral-mediated administration of IL-25 in the CNS induces alternative activation of microglia. Gene Therapy, 2013, 20, 487-496.	4.5	19
131	Selective loss of microvesicles is a major issue of the differential centrifugation isolation protocols. Scientific Reports, 2021, 11, 3589.	3.3	19
132	Neutrophil-to-lymphocyte ratio: a marker of neuro-inflammation in multiple sclerosis?. Journal of Neurology, 2021, 268, 717-723.	3.6	19
133	Absence of an intrathecal immune reaction to a helper-dependent adenoviral vector delivered into the cerebrospinal fluid of non-human primates. Gene Therapy, 2008, 15, 233-238.	4.5	18
134	Neuromyelitis optica: Concepts in evolution. Journal of Neuroimmunology, 2011, 231, 100-104.	2.3	18
135	Growth Factors and Synaptic Plasticity in Relapsingâ€"Remitting Multiple Sclerosis. NeuroMolecular Medicine, 2014, 16, 490-498.	3.4	18
136	Free Light Chains and Intrathecal B Cells Activity in Multiple Sclerosis: A Prospective Study and Meta-Analysis. Multiple Sclerosis International, 2016, 2016, 1-9.	0.8	18
137	Metallothioneins as dynamic markers for brain disease in lysosomal disorders. Annals of Neurology, 2014, 75, 127-137.	5.3	17
138	Interleukin-8 is associated with acute and persistent dysfunction after optic neuritis. Multiple Sclerosis Journal, 2014, 20, 1841-1850.	3.0	17
139	A Global Immune Deficit in Alzheimer's Disease and Mild Cognitive Impairment Disclosed by a Novel Data Mining Process. Journal of Alzheimer's Disease, 2014, 43, 1199-1213.	2.6	17
140	Calcitonin gene-related peptide decreases IL-1beta, IL-6 as well as Ym1, Arg1, CD163 expression in a brain tissue context-dependent manner while ameliorating experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2018, 323, 94-104.	2.3	17
141	Subclinical anterior optic pathway involvement in early multiple sclerosis and clinically isolated syndromes. Brain, 2021, 144, 848-862.	7.6	17
142	Absence of oligoclonally restricted immunoglobulins in tears from multiple sclerosis patients. Journal of Neuroimmunology, 1993, 44, 149-155.	2.3	16
143	KIR2DL2 inhibitory pathway enhances Th17 cytokine secretion by NK cells in response to herpesvirus infection in multiple sclerosis patients. Journal of Neuroimmunology, 2016, 294, 1-5.	2.3	16
144	In Vivo Fate Analysis Reveals the Multipotent and Self-Renewal Features of Embryonic AspM Expressing Cells. PLoS ONE, 2011, 6, e19419.	2.5	15

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145	Proteomic identification of aldolase A as an autoantibody target in patients with atypical movement disorders. Neurological Sciences, 2013, 34, 313-320.	1.9	15
146	Distinct Protein Expression Networks are Activated in Microglia Cells after Stimulation with IFN-Î³ and IL-4. Cells, 2019, 8, 580.	4.1	15
147	Ventilation With Argon Improves Survival With Good Neurological Recovery After Prolonged Untreated Cardiac Arrest in Pigs. Journal of the American Heart Association, 2020, 9, e016494.	3.7	15
148	beta endorphin concentrations in PBMC of patients with different clinical phenotypes of multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2003, 74, 495-497.	1.9	14
149	Gene Therapy-Mediated Modulation of Immune Processes in the Central Nervous System. Current Pharmaceutical Design, 2003, 9, 2002-2008.	1.9	13
150	Monoclonal Antibodies Conjugated with Superparamagnetic Iron Oxide Particles Allow Magnetic Resonance Imaging Detection of Lymphocytes in the Mouse Brain. Molecular Imaging, 2012, 11, 7290.2011.00032.	1.4	13
151	MiRâ€142â€3p regulates synaptopathyâ€driven disease progression in multiple sclerosis. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	13
152	Cytokine Gene Delivery into the Central Nervous System Using Intrathecally Injected Nonreplicative Viral Vectors. Methods in Molecular Biology, 2003, , 288-289.	0.9	13
153	Polarized cells display asymmetric release of extracellular vesicles. Traffic, 2021, 22, 98-110.	2.7	12
154	Early relapses after the first dose of natalizumab in active multiple sclerosis patients. Multiple Sclerosis Journal, 2008, 14, 1137-1138.	3.0	11
155	Disease-modifying treatments modulate myeloid cells in multiple sclerosis patients. Neurological Sciences, 2018, 39, 373-376.	1.9	11
156	Classification of Psychoses Based on Immunological Features: A Machine Learning Study in a Large Cohort of First-Episode and Chronic Patients. Schizophrenia Bulletin, 2021, 47, 1141-1155.	4.3	11
157	Nerve growth factor is elevated in the CSF of patients with multiple sclerosis and central neuropathic pain. Journal of Neuroimmunology, 2018, 314, 89-93.	2.3	10
158	Multiple Sclerosis and Neurodegenerative Diseases. , 2016, , 63-84.		9
159	Interleukin-1Î² Alters Hebbian Synaptic Plasticity in Multiple Sclerosis. International Journal of Molecular Sciences, 2020, 21, 6982.	4.1	9
160	CSF extracellular vesicles and risk of disease activity after a first demyelinating event. Multiple Sclerosis Journal, 2021, 27, 1606-1610.	3.0	9
161	Spinal Fluid Myeloid Microvesicles Predict Disease Course in Multiple Sclerosis. Annals of Neurology, 2021, 90, 253-265.	5.3	9
162	Age at Disease Onset Associates With Oxidative Stress, Neuroinflammation, and Impaired Synaptic Plasticity in Relapsing-Remitting Multiple Sclerosis. Frontiers in Aging Neuroscience, 2021, 13, 694651.	3.4	9

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163	The therapeutic use of gene therapy in inflammatory demyelinating diseases of the central nervous system. Current Opinion in Neurology, 2003, 16, 385-392.	3.6	8
164	Preventive exercise attenuates IL-2-driven mood disorders in multiple sclerosis. Neurobiology of Disease, 2022, 172, 105817.	4.4	8
165	The therapeutic use of gene therapy in inflammatory demyelinating diseases of the central nervous system. Current Opinion in Neurology, 2003, 16, 385-392.	3.6	7
166	Cerebrospinal fluid levels of Lâ€glutamate signal central inflammatory neurodegeneration in multiple sclerosis. Journal of Neurochemistry, 2021, 159, 857-866.	3.9	7
167	Definition of non-responders: biological markers. Neurological Sciences, 2008, 29, 214-215.	1.9	6
168	Radiobinding assay for detecting autoantibodies to single epitopes. Journal of Immunological Methods, 2008, 336, 127-134.	1.4	6
169	Mood-congruent negative thinking styles and cognitive vulnerability in depressed COVID-19 survivors: A comparison with major depressive disorder. Journal of Affective Disorders, 2022, 308, 554-561.	4.1	6
170	Anti-SARS-CoV-2 T-stem cell memory persists in ocrelizumab-treated MS patients. Multiple Sclerosis Journal, 2022, 28, 1937-1943.	3.0	6
171	Fluid phase biomarkers in multiple sclerosis. Current Opinion in Neurology, 2022, 35, 286-292.	3.6	6
172	Absence of central nervous system pathology in severe combined immunodeficiency mice intraperitoneally injected with peripheral blood lymphocytes from multiple sclerosis patients. Journal of Neuroimmunology, 1994, 55, 213-217.	2.3	5
173	The Peripheral Network between Oxidative Stress and Inflammation in Multiple Sclerosis. European Journal of Inflammation, 2014, 12, 351-363.	0.5	5
174	PDGF Modulates Synaptic Excitability and Short-Latency Afferent Inhibition in Multiple Sclerosis. Neurochemical Research, 2019, 44, 726-733.	3.3	5
175	A Single Nucleotide ADA Genetic Variant Is Associated to Central Inflammation and Clinical Presentation in MS: Implications for Cladribine Treatment. Genes, 2020, 11, 1152.	2.4	5
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