Manuel A. Friese

List of Publications by Year
in descending order

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60	7,516	159585 30	138484 58
papers	citations	h-index	g-index

66	66	66	11463
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immunopathology of multiple sclerosis. Nature Reviews Immunology, 2015, 15, 545-558.	22.7	1,642
2	Interleukin-17 Production in Central Nervous System-Infiltrating T Cells and Glial Cells Is Associated with Active Disease in Multiple Sclerosis. American Journal of Pathology, 2008, 172, 146-155.	3.8	1,018
3	N-methyl-d-aspartate antibody encephalitis: temporal progression of clinical and paraclinical observations in a predominantly non-paraneoplastic disorder of both sexes. Brain, 2010, 133, 1655-1667.	7.6	900
4	Mechanisms of neurodegeneration and axonal dysfunction in multiple sclerosis. Nature Reviews Neurology, 2014, 10, 225-238.	10.1	507
5	Neuronal vulnerability and multilineage diversity in multiple sclerosis. Nature, 2019, 573, 75-82.	27.8	385
6	Acid-sensing ion channel-1 contributes to axonal degeneration in autoimmune inflammation of the central nervous system. Nature Medicine, 2007, 13, 1483-1489.	30.7	373
7	Frequent neurocognitive deficits after recovery from mild COVID-19. Brain Communications, 2020, 2, fcaa205.	3.3	236
8	Autoreactive CD8+ T cells in multiple sclerosis: a new target for therapy?. Brain, 2005, 128, 1747-1763.	7.6	232
9	TRPM4 cation channel mediates axonal and neuronal degeneration in experimental autoimmune encephalomyelitis and multiple sclerosis. Nature Medicine, 2012, 18, 1805-1811.	30.7	181
10	Opposing effects of HLA class I molecules in tuning autoreactive CD8+ T cells in multiple sclerosis. Nature Medicine, 2008, 14, 1227-1235.	30.7	161
11	The blood-brain barrier is dysregulated in COVID-19 and serves as a CNS entry route for SARS-CoV-2. Stem Cell Reports, 2022, 17, 307-320.	4.8	138
12	<scp>CD</scp>8⁺<scp>MAIT</scp> cells infiltrate into the <scp>CNS</scp> and alterations in their blood frequencies correlate with <scp>IL</scp>â€18 serum levels in multiple sclerosis. European Journal of Immunology, 2014, 44, 3119-3128.	2.9	137
13	The value of animal models for drug development in multiple sclerosis. Brain, 2006, 129, 1940-1952.	7.6	133
14	Neutrophils Amplify Autoimmune Central Nervous System Infiltrates by Maturing Local APCs. Journal of Immunology, 2013, 191, 4531-4539.	0.8	124
15	The immunology of multiple sclerosis. Nature Reviews Immunology, 2022, 22, 734-750.	22.7	96
16	Glucocorticoid receptor in T cells mediates protection from autoimmunity in pregnancy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E181-E190.	7.1	86
17	Transient Receptor Potential Melastatin Subfamily Member 2 Cation Channel Regulates Detrimental Immune Cell Invasion in Ischemic Stroke. Stroke, 2014, 45, 3395-3402.	2.0	85
18	Pregnancy and multiple sclerosis: feto-maternal immune cross talk and its implications for disease activity. Journal of Reproductive Immunology, 2013, 97, 140-146.	1.9	74

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19	Sex differences in autoimmune disorders of the central nervous system. Seminars in Immunopathology, 2019, 41, 177-188.	6.1	74
20	Production of IL-17 by MAIT Cells Is Increased in Multiple Sclerosis and Is Associated with IL-7 Receptor Expression. Journal of Immunology, 2018, 200, 974-982.	0.8	58
21	Bassoon proteinopathy drives neurodegeneration in multiple sclerosis. Nature Neuroscience, 2019, 22, 887-896.	14.8	55
22	Identification of early neurodegenerative pathways in progressive multiple sclerosis. Nature Neuroscience, 2022, 25, 944-955.	14.8	55
23	Single-cell atlas of hepatic T cells reveals expansion of liver-resident naive-like CD4+ T cells in primary sclerosing cholangitis. Journal of Hepatology, 2021, 75, 414-423.	3.7	49
24	Moving exercise research in multiple sclerosis forward (the MoXFo initiative): Developing consensus statements for research. Multiple Sclerosis Journal, 2020, 26, 1303-1308.	3.0	46
25	Sex effects on inflammatory and neurodegenerative processes in multiple sclerosis. Neuroscience and Biobehavioral Reviews, 2016, 67, 137-146.	6.1	45
26	Identifying CNS-colonizing T cells as potential therapeutic targets to prevent progression of multiple sclerosis. Med, 2021, 2, 296-312.e8.	4.4	43
27	Arc/Arg3.1 governs inflammatory dendritic cell migration from the skin and thereby controls T cell activation. Science Immunology, 2016, 1, eaaf8665.	11.9	40
28	Progesterone modulates the Tâ€cell response via glucocorticoid receptorâ€dependent pathways. American Journal of Reproductive Immunology, 2019, 81, e13084.	1.2	40
29	Sunlight exposure exerts immunomodulatory effects to reduce multiple sclerosis severity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
30	Enhancing mitochondrial activity in neurons protects against neurodegeneration in a mouse model of multiple sclerosis. ELife, 2021, 10, .	6.0	34
31	Humanized mouse models for organ-specific autoimmune diseases. Current Opinion in Immunology, 2006, 18, 704-709.	5.5	32
32	MHC II molecules in inflammatory diseases: interplay of qualities and quantities. Trends in Immunology, 2005, 26, 559-561.	6.8	28
33	T cells and microglia as drivers of multiple sclerosis pathology. Brain, 2007, 130, 2755-2757.	7.6	25
34	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. Nature Microbiology, 2018, 3, 1161-1174.	13.3	24
35	Control of SARS-CoV-2 infection in rituximab-treated neuroimmunological patients. Journal of Neurology, 2021, 268, 5-7.	3.6	24
36	CSF Findings in Acute NMDAR and LGI1 Antibodyâ€“Associated Autoimmune Encephalitis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	24

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37	Identification of the factor XII contact activation site enables sensitive coagulation diagnostics. Nature Communications, 2021, 12, 5596.	12.8	23
38	Activity of NaV1.2 promotes neurodegeneration in an animal model of multiple sclerosis. JCI Insight, 2016, 1, e89810.	5.0	22
39	Neuronal metabotropic glutamate receptor 8 protects against neurodegeneration in CNS inflammation. Journal of Experimental Medicine, 2021, 218, .	8.5	20
40	Maraviroc as possible treatment for PML-IRIS in natalizumab-treated patients with MS. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e325.	6.0	18
41	Intrathecal Antibody Production Against Epstein-Barr, Herpes Simplex, and Other Neurotropic Viruses in Autoimmune Encephalitis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	18
42	T Cell Repertoire Dynamics during Pregnancy in Multiple Sclerosis. Cell Reports, 2019, 29, 810-815.e4.	6.4	17
43	A novel neurodegenerative spectrum disorder in patients with MLKL deficiency. Cell Death and Disease, 2020, 11, 303.	6.3	16
44	aHSCT is superior to alemtuzumab in maintaining NEDA and improving cognition in multiple sclerosis. Annals of Clinical and Translational Neurology, 2021, 8, 1269-1278.	3.7	16
45	Motor neuron translatome reveals deregulation of SYNGR4 and PLEKHB1 in mutant TDP-43 amyotrophic lateral sclerosis models. Human Molecular Genetics, 2020, 29, 2647-2661.	2.9	15
46	Prenatal Administration of Betamethasone Causes Changes in the T Cell Receptor Repertoire Influencing Development of Autoimmunity. Frontiers in Immunology, 2017, 8, 1505.	4.8	14
47	Voltage-Gated Proton Channel Hv1 Controls TLR9 Activation in Plasmacytoid Dendritic Cells. Journal of Immunology, 2020, 205, 3001-3010.	0.8	12
48	Clinical Presentation and Disease Course of 37 Consecutive Cases of Progressive Multifocal Leukoencephalopathy (PML) at a German Tertiary-Care Hospital: A Retrospective Observational Study. Frontiers in Neurology, 2021, 12, 632535.	2.4	12
49	Upregulation of Phosphodiesterase 2A Augments T Cell Activation by Changing cGMP/cAMP Cross-Talk. Frontiers in Pharmacology, 2021, 12, 748798.	3.5	11
50	Pregnancy Enables Expansion of Disease-Specific Regulatory T Cells in an Animal Model of Multiple Sclerosis. Journal of Immunology, 2019, 203, 1743-1752.	0.8	9
51	Multi-dimensional and longitudinal systems profiling reveals predictive pattern of severe COVID-19. IScience, 2021, 24, 102752.	4.1	9
52	Ruxolitinib treatment in a patient with neuromyelitis optica: A case report. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e328.	6.0	7
53	Genetic determinants of the humoral immune response in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, e827.	6.0	7
54	Alterations of NK Cell Phenotype During Pregnancy in Multiple Sclerosis. Frontiers in Immunology, 0, 13, .	4.8	6

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55	A glibenclamide-sensitive TRPM4-mediated component of CA1 excitatory postsynaptic potentials appears in experimental autoimmune encephalomyelitis. Scientific Reports, 2022, 12, 6000.	3.3	5
56	Arc/Arg3.1 defines dendritic cells and Langerhans cells with superior migratory ability independent of phenotype and ontogeny in mice. European Journal of Immunology, 2019, 49, 724-736.	2.9	4
57	SnapShot: Neuronal dysfunction in inflammation. Neuron, 2021, 109, 1754-1754.e1.	8.1	4
58	Neuronal Adenosine A1 Receptor is Critical for Olfactory Function but Unable to Attenuate Olfactory Dysfunction in Neuroinflammation. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	3
59	Activity-regulated cytoskeleton-associated protein/activity-regulated gene 3.1 (Arc/Arg3.1) enhances dendritic cell vaccination in experimental melanoma. OncoImmunology, 2021, 10, 1920739.	4.6	2
60	Treating sarcoidosis-associated progressive multifocal leukoencephalopathy with infliximab. Brain Communications, 2022, 4, fcab292.	3.3	2