

Mireia Sospedra

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

5,261
citations

30
h-index

65
g-index

65
ext. papers

6,172
ext. citations

10.1
avg, IF

5.69
L-index

#	Paper	IF	Citations
64	Immunology of multiple sclerosis. <i>Annual Review of Immunology</i> , 2005 , 23, 683-747	34.7	1712
63	Analysis of immune-related loci identifies 48 new susceptibility variants for multiple sclerosis. <i>Nature Genetics</i> , 2013 , 45, 1353-60	36.3	934
62	Functional antigen-independent synapses formed between T cells and dendritic cells. <i>Nature Immunology</i> , 2001 , 2, 925-31	19.1	243
61	Antigen-specific tolerance by autologous myelin peptide-coupled cells: a phase 1 trial in multiple sclerosis. <i>Science Translational Medicine</i> , 2013 , 5, 188ra75	17.5	212
60	Memory B Cells Activate Brain-Homing, Autoreactive CD4 T Cells in Multiple Sclerosis. <i>Cell</i> , 2018 , 175, 85-100.e23	56.2	207
59	T lymphocyte priming by neutrophil extracellular traps links innate and adaptive immune responses. <i>Journal of Immunology</i> , 2012 , 188, 3150-9	5.3	173
58	Neutrophils in multiple sclerosis are characterized by a primed phenotype. <i>Journal of Neuroimmunology</i> , 2012 , 242, 60-71	3.5	112
57	Immunology of Multiple Sclerosis. <i>Seminars in Neurology</i> , 2016 , 36, 115-27	3.2	112
56	Single-cell analysis of intrathyroidal lymphocytes shows differential cytokine expression in Hashimoto's and Graves' disease. <i>European Journal of Immunology</i> , 1997 , 27, 3290-302	6.1	99
55	Natalizumab treatment perturbs memory- and marginal zone-like B-cell homing in secondary lymphoid organs in multiple sclerosis. <i>European Journal of Immunology</i> , 2012 , 42, 790-8	6.1	82
54	Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. <i>Cell</i> , 2018 , 175, 1679-1687.e72	6.2	72
53	Multiple sclerosis candidate autoantigens except myelin oligodendrocyte glycoprotein are transcribed in human thymus. <i>European Journal of Immunology</i> , 2002 , 32, 2737-47	6.1	71
52	Current multiple sclerosis treatments have improved our understanding of MS autoimmune pathogenesis. <i>European Journal of Immunology</i> , 2016 , 46, 2078-90	6.1	71
51	Recognition of conserved amino acid motifs of common viruses and its role in autoimmunity. <i>PLoS Pathogens</i> , 2005 , 1, e41	7.6	64
50	Central role of JC virus-specific CD4+ lymphocytes in progressive multi-focal leucoencephalopathy-immune reconstitution inflammatory syndrome. <i>Brain</i> , 2011 , 134, 2687-702	11.2	62
49	GDP-l-fucose synthase is a CD4 T cell-specific autoantigen in DRB3*02:02 patients with multiple sclerosis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	53
48	Treating progressive multifocal leucoencephalopathy with interleukin 7 and vaccination with JC virus capsid protein VP1. <i>Clinical Infectious Diseases</i> , 2014 , 59, 1588-92	11.6	52

47	Adoptive transfer of EBV specific CD8+ T cell clones can transiently control EBV infection in humanized mice. <i>PLoS Pathogens</i> , 2014 , 10, e1004333	7.6	50
46	Redundancy in antigen-presenting function of the HLA-DR and -DQ molecules in the multiple sclerosis-associated HLA-DR2 haplotype. <i>Journal of Immunology</i> , 2006 , 176, 1951-61	5.3	44
45	HLA-DR15 Molecules Jointly Shape an Autoreactive T Cell Repertoire in Multiple Sclerosis. <i>Cell</i> , 2020 , 183, 1264-1281.e20	56.2	43
44	Insulin alleles and autoimmune regulator (AIRE) gene expression both influence insulin expression in the thymus. <i>Journal of Autoimmunity</i> , 2005 , 25, 312-8	15.5	40
43	Antigen-specific therapies in multiple sclerosis. <i>International Reviews of Immunology</i> , 2005 , 24, 393-413	4.6	40
42	Molecular mimicry in multiple sclerosis. <i>Autoimmunity</i> , 2006 , 39, 3-8	3	38
41	Gender differences in circulating levels of neutrophil extracellular traps in serum of multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2013 , 261, 108-19	3.5	37
40	Immunology of progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , 2015 , 21, 614-22	3.9	34
39	JC virus granule cell neuronopathy and GCN-IRIS under natalizumab treatment. <i>Annals of Neurology</i> , 2013 , 74, 622-6	9.4	34
38	Use of combinatorial peptide libraries for T-cell epitope mapping. <i>Methods</i> , 2003 , 29, 236-47	4.6	31
37	Mechanisms of immune escape in central nervous system infection with neurotropic JC virus variant. <i>Annals of Neurology</i> , 2016 , 79, 404-18	9.4	31
36	Broadly neutralizing human monoclonal JC polyomavirus VP1-specific antibodies as candidate therapeutics for progressive multifocal leukoencephalopathy. <i>Science Translational Medicine</i> , 2015 , 7, 306ra150	17.5	30
35	Central role of Th2/Tc2 lymphocytes in pattern II multiple sclerosis lesions. <i>Annals of Clinical and Translational Neurology</i> , 2015 , 2, 875-93	5.3	30
34	B cells in multiple sclerosis. <i>Current Opinion in Neurology</i> , 2018 , 31, 256-262	7.1	29
33	Human CD4 T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 3	7	28
32	HLA-DR15-derived self-peptides are involved in increased autologous T cell proliferation in multiple sclerosis. <i>Brain</i> , 2013 , 136, 1783-98	11.2	26
31	TCR bias and HLA cross-restriction are strategies of human brain-infiltrating JC virus-specific CD4+ T cells during viral infection. <i>Journal of Immunology</i> , 2012 , 189, 3618-30	5.3	25
30	Sphingosine-1 phosphate and central nervous system. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 378, 149-70	3.3	23

29	Antigen-specific therapies in MS - Current concepts and novel approaches. <i>Journal of the Neurological Sciences</i> , 2008 , 274, 18-22	3.2	23
28	Long-term safety and efficacy of natalizumab in relapsing-remitting multiple sclerosis: impact on quality of life. <i>Patient Related Outcome Measures</i> , 2014 , 5, 25-33	2.9	21
27	Detailed Characterization of T Cell Receptor Repertoires in Multiple Sclerosis Brain Lesions. <i>Frontiers in Immunology</i> , 2018 , 9, 509	8.4	20
26	NR1H3 p.Arg415Gln Is Not Associated to Multiple Sclerosis Risk. <i>Neuron</i> , 2016 , 92, 333-335	13.9	19
25	Clonotypic analysis of cerebrospinal fluid T cells during disease exacerbation and remission in a patient with multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2006 , 171, 177-83	3.5	19
24	Boswellic acids reduce Th17 differentiation via blockade of IL-1 β mediated IRAK1 signaling. <i>European Journal of Immunology</i> , 2014 , 44, 1200-12	6.1	18
23	T cell epitope mapping of JC polyoma virus-encoded proteome reveals reduced T cell responses in HLA-DRB1*04:01+ donors. <i>Journal of Virology</i> , 2013 , 87, 3393-408	6.6	18
22	Degenerate TCR recognition and dual DR2 restriction of autoreactive T cells: implications for the initiation of the autoimmune response in multiple sclerosis. <i>European Journal of Immunology</i> , 2008 , 38, 1297-309	6.1	18
21	Cerebrospinal fluid-infiltrating CD4+ T cells recognize <i>Borrelia burgdorferi</i> lysine-enriched protein domains and central nervous system autoantigens in early lyme encephalitis. <i>Infection and Immunity</i> , 2007 , 75, 243-51	3.7	18
20	HLA-DM and invariant chain are expressed by thyroid follicular cells, enabling the expression of compact DR molecules. <i>International Immunology</i> , 1999 , 11, 269-77	4.9	17
19	Different patterns of nicotinic acetylcholine receptor subunit transcription in human thymus. <i>Journal of Neuroimmunology</i> , 2004 , 149, 147-59	3.5	16
18	Brain Citrullination Patterns and T Cell Reactivity of Cerebrospinal Fluid-Derived CD4 T Cells in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2019 , 10, 540	8.4	15
17	Phenotypic and functional complexity of brain-infiltrating T cells in Rasmussen encephalitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e419	9.1	15
16	Displacement chromatography as first separating step in online two-dimensional liquid chromatography coupled to mass spectrometry analysis of a complex protein sample--the proteome of neutrophils. <i>Journal of Chromatography A</i> , 2012 , 1232, 288-94	4.5	10
15	Antibody responses following induction of antigen-specific tolerance with antigen-coupled cells. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 651-5	5	9
14	Combining positional scanning peptide libraries, HLA-DR transfectants and bioinformatics to dissect the epitope spectrum of HLA class II cross-restricted CD4+ T cell clones. <i>Journal of Immunological Methods</i> , 2010 , 353, 93-101	2.5	9
13	OMIP-033: A comprehensive single step staining protocol for human T- and B-cell subsets. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016 , 89, 629-32	4.6	9
12	Multiple sclerosis: doubling down on MHC. <i>Trends in Genetics</i> , 2021 , 37, 784-797	8.5	8

11	T-Cell Specificity Influences Disease Heterogeneity in Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	7
10	When T cells recognize a pattern, they might cause trouble. <i>Current Opinion in Immunology</i> , 2006 , 18, 697-703	7.8	6
9	Antigen-Specific Immune Tolerance in Multiple Sclerosis-Promising Approaches and How to Bring Them to Patients. <i>Frontiers in Immunology</i> , 2021 , 12, 640935	8.4	6
8	Effects of natalizumab therapy on intrathecal antiviral antibody responses in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6,	9.1	5
7	Comparative Analysis of T-Cell Responses to Aquaporin-4 and Myelin Oligodendrocyte Glycoprotein in Inflammatory Demyelinating Central Nervous System Diseases. <i>Frontiers in Immunology</i> , 2020 , 11, 1188	8.4	4
6	Characterization of Antigen-Induced CD4+ T-Cell Senescence in Multiple Sclerosis.. <i>Frontiers in Neurology</i> , 2022 , 13, 790884	4.1	2
5	Altered CSF Albumin Quotient Links Peripheral Inflammation and Brain Damage in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	2
4	Use of Positional Scanning Libraries to Identify Immunologically Relevant Peptides 2013 , 617-624		1
3	Mechanistic and Biomarker Studies to Demonstrate Immune Tolerance in Multiple Sclerosis.. <i>Frontiers in Immunology</i> , 2021 , 12, 787498	8.4	1
2	When a T cell engages a B cell: novel insights in multiple sclerosis. <i>Swiss Medical Weekly</i> , 2020 , 150, w20330	3.1	1
1	Prevention and therapy of JC polyomavirus-mediated progressive multifocal leukoencephalopathy - a realistic possibility?. <i>Swiss Medical Weekly</i> , 2017 , 147, w14520	3.1	