Mireia Sospedra

List of Publications by Year in Descending Order

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	Characterization of Antigen-Induced CD4+ T-Cell Senescence in Multiple Sclerosis.. *Frontiers in Neurology*, **2022**, 13, 790884	4.1	2
63	Mechanistic and Biomarker Studies to Demonstrate Immune Tolerance in Multiple Sclerosis.. *Frontiers in Immunology*, **2021**, 12, 787498	8.4	1
62	Altered CSF Albumin Quotient Links Peripheral Inflammation and Brain Damage in MS. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	2
61	Antigen-Specific Immune Tolerance in Multiple Sclerosis-Promising Approaches and How to Bring Them to Patients. *Frontiers in Immunology*, **2021**, 12, 640935	8.4	6
60	Multiple sclerosis: doubling down on MHC. *Trends in Genetics*, **2021**, 37, 784-797	8.5	8
59	T-Cell Specificity Influences Disease Heterogeneity in Multiple Sclerosis. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	7
58	Comparative Analysis of T-Cell Responses to Aquaporin-4 and Myelin Oligodendrocyte Glycoprotein in Inflammatory Demyelinating Central Nervous System Diseases. *Frontiers in Immunology*, **2020**, 11, 1188	8.4	4
57	Human CD4 T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. *Fluids and Barriers of the CNS*, **2020**, 17, 3	7	28
56	When a T cell engages a B cell: novel insights in multiple sclerosis. *Swiss Medical Weekly*, **2020**, 150, w20330	3.1	1
55	HLA-DR15 Molecules Jointly Shape an Autoreactive T Cell Repertoire in Multiple Sclerosis. *Cell*, **2020**, 183, 1264-1281.e20	56.2	43
54	Brain Citrullination Patterns and T Cell Reactivity of Cerebrospinal Fluid-Derived CD4 T Cells in Multiple Sclerosis. *Frontiers in Immunology*, **2019**, 10, 540	8.4	15
53	Effects of natalizumab therapy on intrathecal antiviral antibody responses in MS. *Neurology: Neuroimmunology and NeuroInflammation*, **2019**, 6,	9.1	5
52	B cells in multiple sclerosis. *Current Opinion in Neurology*, **2018**, 31, 256-262	7.1	29
51	Phenotypic and functional complexity of brain-infiltrating T cells in Rasmussen encephalitis. *Neurology: Neuroimmunology and NeuroInflammation*, **2018**, 5, e419	9.1	15
50	Detailed Characterization of T Cell Receptor Repertoires in Multiple Sclerosis Brain Lesions. *Frontiers in Immunology*, **2018**, 9, 509	8.4	20
49	GDP-l-fucose synthase is a CD4 T cell-specific autoantigen in DRB3*02:02 patients with multiple sclerosis. *Science Translational Medicine*, **2018**, 10,	17.5	53
48	Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. *Cell*, **2018**, 175, 1679-1687.e7	38.2	72

47	Memory B Cells Activate Brain-Homing, Autoreactive CD4 T Cells in Multiple Sclerosis. *Cell*, **2018**, 175, 85-100.e23	56.2	207
46	Prevention and therapy of JC polyomavirus-mediated progressive multifocal leukoencephalopathy - a realistic possibility?. *Swiss Medical Weekly*, **2017**, 147, w14520	3.1	
45	NR1H3 p.Arg415Gln Is Not Associated to Multiple Sclerosis Risk. *Neuron*, **2016**, 92, 333-335	13.9	19
44	Mechanisms of immune escape in central nervous system infection with neurotropic JC virus variant. *Annals of Neurology*, **2016**, 79, 404-18	9.4	31
43	OMIP-033: A comprehensive single step staining protocol for human T- and B-cell subsets. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2016**, 89, 629-32	4.6	9
42	Immunology of Multiple Sclerosis. *Seminars in Neurology*, **2016**, 36, 115-27	3.2	112
41	Current multiple sclerosis treatments have improved our understanding of MS autoimmune pathogenesis. *European Journal of Immunology*, **2016**, 46, 2078-90	6.1	71
40	Immunology of progressive multifocal leukoencephalopathy. *Journal of NeuroVirology*, **2015**, 21, 614-22	3.9	34
39	Antibody responses following induction of antigen-specific tolerance with antigen-coupled cells. *Multiple Sclerosis Journal*, **2015**, 21, 651-5	5	9
38	Broadly neutralizing human monoclonal JC polyomavirus VP1-specific antibodies as candidate therapeutics for progressive multifocal leukoencephalopathy. *Science Translational Medicine*, **2015**, 7, 306ra150	17.5	30
37	Central role of Th2/Tc2 lymphocytes in pattern II multiple sclerosis lesions. *Annals of Clinical and Translational Neurology*, **2015**, 2, 875-93	5.3	30
36	Treating progressive multifocal leukoencephalopathy with interleukin 7 and vaccination with JC virus capsid protein VP1. *Clinical Infectious Diseases*, **2014**, 59, 1588-92	11.6	52
35	Long-term safety and efficacy of natalizumab in relapsing-remitting multiple sclerosis: impact on quality of life. *Patient Related Outcome Measures*, **2014**, 5, 25-33	2.9	21
34	Adoptive transfer of EBV specific CD8+ T cell clones can transiently control EBV infection in humanized mice. *PLoS Pathogens*, **2014**, 10, e1004333	7.6	50
33	Boswellic acids reduce Th17 differentiation via blockade of IL-1-mediated IRAK1 signaling. *European Journal of Immunology*, **2014**, 44, 1200-12	6.1	18
32	Sphingosine-1 phosphate and central nervous system. *Current Topics in Microbiology and Immunology*, **2014**, 378, 149-70	3.3	23
31	Analysis of immune-related loci identifies 48 new susceptibility variants for multiple sclerosis. *Nature Genetics*, **2013**, 45, 1353-60	36.3	934
30	HLA-DR15-derived self-peptides are involved in increased autologous T cell proliferation in multiple sclerosis. *Brain*, **2013**, 136, 1783-98	11.2	26

29	Gender differences in circulating levels of neutrophil extracellular traps in serum of multiple sclerosis patients. *Journal of Neuroimmunology*, **2013**, 261, 108-19	3.5	37
28	JC virus granule cell neuronopathy and GCN-IRIS under natalizumab treatment. *Annals of Neurology* , **2013**, 74, 622-6	9.4	34
27	Antigen-specific tolerance by autologous myelin peptide-coupled cells: a phase 1 trial in multiple sclerosis. *Science Translational Medicine*, **2013**, 5, 188ra75	17.5	212
26	T cell epitope mapping of JC polyoma virus-encoded proteome reveals reduced T cell responses in HLA-DRB1*04:01+ donors. *Journal of Virology*, **2013**, 87, 3393-408	6.6	18
25	Use of Positional Scanning Libraries to Identify Immunologically Relevant Peptides **2013**, 617-624		1
24	Neutrophils in multiple sclerosis are characterized by a primed phenotype. *Journal of Neuroimmunology*, **2012**, 242, 60-71	3.5	112
23	T lymphocyte priming by neutrophil extracellular traps links innate and adaptive immune responses. *Journal of Immunology*, **2012**, 188, 3150-9	5.3	173
22	Natalizumab treatment perturbs memory- and marginal zone-like B-cell homing in secondary lymphoid organs in multiple sclerosis. *European Journal of Immunology*, **2012**, 42, 790-8	6.1	82
21	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. *Journal of Chromatography A*, **2012**, 1232, 288-94	4.5	10
20	TCR bias and HLA cross-restriction are strategies of human brain-infiltrating JC virus-specific CD4+ T cells during viral infection. *Journal of Immunology*, **2012**, 189, 3618-30	5.3	25
19	Central role of JC virus-specific CD4+ lymphocytes in progressive multi-focal leucoencephalopathy-immune reconstitution inflammatory syndrome. *Brain*, **2011**, 134, 2687-702	11.2	62
18	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. *Journal of Immunological Methods*, **2010**, 353, 93-101	2.5	9
17	Antigen-specific therapies in MS - Current concepts and novel approaches. *Journal of the Neurological Sciences*, **2008**, 274, 18-22	3.2	23
16	Degenerate TCR recognition and dual DR2 restriction of autoreactive T cells: implications for the initiation of the autoimmune response in multiple sclerosis. *European Journal of Immunology*, **2008**, 38, 1297-309	6.1	18
15	Cerebrospinal fluid-infiltrating CD4+ T cells recognize Borrelia burgdorferi lysine-enriched protein domains and central nervous system autoantigens in early lyme encephalitis. *Infection and Immunity* , **2007**, 75, 243-51	3.7	18
14	Clonotypic analysis of cerebrospinal fluid T cells during disease exacerbation and remission in a patient with multiple sclerosis. *Journal of Neuroimmunology*, **2006**, 171, 177-83	3.5	19
13	Redundancy in antigen-presenting function of the HLA-DR and -DQ molecules in the multiple sclerosis-associated HLA-DR2 haplotype. *Journal of Immunology*, **2006**, 176, 1951-61	5.3	44
12	Molecular mimicry in multiple sclerosis. *Autoimmunity*, **2006**, 39, 3-8	3	38

11	When T cells recognize a pattern, they might cause trouble. *Current Opinion in Immunology*, **2006**, 18, 697-703	7.8	6
10	Insulin alleles and autoimmune regulator (AIRE) gene expression both influence insulin expression in the thymus. *Journal of Autoimmunity*, **2005**, 25, 312-8	15.5	40
9	Immunology of multiple sclerosis. *Annual Review of Immunology*, **2005**, 23, 683-747	34.7	1712
8	Antigen-specific therapies in multiple sclerosis. *International Reviews of Immunology*, **2005**, 24, 393-413	4.6	40
7	Recognition of conserved amino acid motifs of common viruses and its role in autoimmunity. *PLoS Pathogens*, **2005**, 1, e41	7.6	64
6	Different patterns of nicotinic acetylcholine receptor subunit transcription in human thymus. *Journal of Neuroimmunology*, **2004**, 149, 147-59	3.5	16
5	Use of combinatorial peptide libraries for T-cell epitope mapping. *Methods*, **2003**, 29, 236-47	4.6	31
4	Multiple sclerosis candidate autoantigens except myelin oligodendrocyte glycoprotein are transcribed in human thymus. *European Journal of Immunology*, **2002**, 32, 2737-47	6.1	71
3	Functional antigen-independent synapses formed between T cells and dendritic cells. *Nature Immunology*, **2001**, 2, 925-31	19.1	243
2	HLA-DM and invariant chain are expressed by thyroid follicular cells, enabling the expression of compact DR molecules. *International Immunology*, **1999**, 11, 269-77	4.9	17
1	Single-cell analysis of intrathyroidal lymphocytes shows differential cytokine expression in Hashimoto and Graves disease. *European Journal of Immunology*, **1997**, 27, 3290-302	6.1	99