Lisa F Barcellos

List of Publications by Year
in descending order

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84 papers	6,439 citations	87723 38 h-index	71532 76 g-index
84 all docs	84 docs citations	84 times ranked	10538 citing authors

#	Article	IF	Citations
1	Interactions between genetic, lifestyle and environmental risk factors for multiple sclerosis. Nature Reviews Neurology, 2017, 13, 25-36.	4.9	730
2	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. American Journal of Human Genetics, 2016, 98, 680-696.	2.6	717
3	Multiple sclerosis genomic map implicates peripheral immune cells and microglia in susceptibility. Science, 2019, 365, .	6.0	710
4	Mapping Multiple Sclerosis Susceptibility to the HLA-DR Locus in African Americans. American Journal of Human Genetics, 2004, 74, 160-167.	2.6	311
5	Heterogeneity at the HLA-DRB1 locus and risk for multiple sclerosis. Human Molecular Genetics, 2006, 15, 2813-2824.	1.4	279
6	Fine-Mapping the Genetic Association of the Major Histocompatibility Complex in Multiple Sclerosis: HLA and Non-HLA Effects. PLoS Genetics, 2013, 9, e1003926.	1.5	250
7	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. Human Molecular Genetics, 2017, 26, 4067-4085.	1.4	211
8	Clustering of autoimmune diseases in families with a high-risk for multiple sclerosis: a descriptive study. Lancet Neurology, The, 2006, 5, 924-931.	4.9	194
9	Mendelian randomization shows a causal effect of low vitamin D on multiple sclerosis risk. Neurology: Genetics, 2016, 2, e97.	0.9	166
10	Sex differences in DNA methylation assessed by 450ÂK BeadChip in newborns. BMC Genomics, 2015, 16, 911.	1.2	155
11	Evidence for a causal relationship between low vitamin D, high BMI, and pediatric-onset MS. Neurology, 2017, 88, 1623-1629.	1.5	138
12	The Association of Refractive Error with Glaucoma in a Multiethnic Population. Ophthalmology, 2016, 123, 92-101.	2.5	129
13	Immune mediated conditions in autism spectrum disorders. Brain, Behavior, and Immunity, 2015, 46, 232-236.	2.0	114
14	High-Density SNP Screening of the Major Histocompatibility Complex in Systemic Lupus Erythematosus Demonstrates Strong Evidence for Independent Susceptibility Regions. PLoS Genetics, 2009, 5, e1000696.	1.5	109
15	Alloreactive fetal T cells promote uterine contractility in preterm labor via IFN-Î³ and TNF-Î±. Science Translational Medicine, 2018, 10, .	5.8	98
16	Obesity during childhood and adolescence increases susceptibility to multiple sclerosis after accounting for established genetic and environmental risk factors. Obesity Research and Clinical Practice, 2014, 8, e435-e447.	0.8	95
17	Cell-type-specific resolution epigenetics without the need for cell sorting or single-cell biology. Nature Communications, 2019, 10, 3417.	5.8	92
18	Genome-Wide DNA Methylation Profiles Indicate CD8+ T Cell Hypermethylation in Multiple Sclerosis. PLoS ONE, 2015, 10, e0117403.	1.1	88

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19	Human Epistatic Interaction Controls IL7R Splicing and Increases Multiple Sclerosis Risk. Cell, 2017, 169, 72-84.e13.	13.5	83
20	GWAS in childhood acute lymphoblastic leukemia reveals novel genetic associations at chromosomes 17q12 and 8q24.21. Nature Communications, 2018, 9, 286.	5.8	75
21	Contribution of dietary intake to relapse rate in early paediatric multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 28-33.	0.9	74
22	Seroprevalence of Aquaporin-4â€“IgG in a Northern California Population Representative Cohort of Multiple Sclerosis. JAMA Neurology, 2014, 71, 1433.	4.5	73
23	Epstein-Barr virus, cytomegalovirus, and multiple sclerosis susceptibility. Neurology, 2017, 89, 1330-1337.	1.5	72
24	Prenatal phthalate exposure and altered patterns of DNA methylation in cord blood. Environmental and Molecular Mutagenesis, 2017, 58, 398-410.	0.9	71
25	Comparison of DNA methylation measured by Illumina 450K and EPIC BeadChips in blood of newborns and 14-year-old children. Epigenetics, 2018, 13, 655-664.	1.3	65
26	Considerations for normalization of DNA methylation data by Illumina 450K BeadChip assay in population studies. Epigenetics, 2013, 8, 1141-1152.	1.3	60
27	Dietary salt intake and time to relapse in paediatric multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1350-1353.	0.9	58
28	A case-control study of dietary salt intake in pediatric-onset multiple sclerosis. Multiple Sclerosis and Related Disorders, 2016, 6, 87-92.	0.9	58
29	Hypomethylation within gene promoter regions and type 1 diabetes in discordant monozygotic twins. Journal of Autoimmunity, 2016, 68, 23-29.	3.0	58
30	MS Sunshine Study: Sun Exposure But Not Vitamin D Is Associated with Multiple Sclerosis Risk in Blacks and Hispanics. Nutrients, 2018, 10, 268.	1.7	58
31	Obesity and Multiple Sclerosis Susceptibility: A Review. Journal of Neurology and Neuromedicine, 2016, 1, 1-5.	0.9	58
32	Interaction between passive smoking and two HLA genes with regard to multiple sclerosis risk. International Journal of Epidemiology, 2014, 43, 1791-1798.	0.9	57
33	Genome-wide profiling identifies associations between lupus nephritis and differential methylation of genes regulating tissue hypoxia and type 1 interferon responses. Lupus Science and Medicine, 2016, 3, e000183.	1.1	54
34	Genome-Wide Assessment of Differential DNA Methylation Associated with Autoantibody Production in Systemic Lupus Erythematosus. PLoS ONE, 2015, 10, e0129813.	1.1	51
35	Admixture mapping reveals evidence of differential multiple sclerosis risk by genetic ancestry. PLoS Genetics, 2019, 15, e1007808.	1.5	48
36	Causal Effect of Genetic Variants Associated With Body Mass Index on Multiple Sclerosis Susceptibility. American Journal of Epidemiology, 2017, 185, 162-171.	1.6	46

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37	Adverse socioeconomic position during the life course is associated with multiple sclerosis. Journal of Epidemiology and Community Health, 2014, 68, 622-629.	2.0	45
38	The interaction between smoking and HLA genes in multiple sclerosis: replication and refinement. European Journal of Epidemiology, 2017, 32, 909-919.	2.5	45
39	Genetic risk factors for pediatric-onset multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1825-1834.	1.4	37
40	Increased DNA methylation of SLFN12 in CD4+ and CD8+ T cells from multiple sclerosis patients. PLoS ONE, 2018, 13, e0206511.	1.1	37
41	Inherited genetic susceptibility to acute lymphoblastic leukemia in Down syndrome. Blood, 2019, 134, 1227-1237.	0.6	37
42	Linkage and association analysis of chromosome 19q13 in multiple sclerosis. Neurogenetics, 2001, 3, 195-201.	0.7	33
43	Vitamin D-Binding Protein Polymorphisms, 25-Hydroxyvitamin D, Sunshine and Multiple Sclerosis. Nutrients, 2018, 10, 184.	1.7	30
44	To ERV Is Human: A Phenotype-Wide Scan Linking Polymorphic Human Endogenous Retrovirus-K Insertions to Complex Phenotypes. Frontiers in Genetics, 2018, 9, 298.	1.1	26
45	Heterogeneity in association of remote herpesvirus infections and pediatric <scp>MS</scp>. Annals of Clinical and Translational Neurology, 2018, 5, 1222-1228.	1.7	25
46	A validation study for remote testing of cognitive function in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 795-798.	1.4	25
47	Genetic predictors of relapse rate in pediatric MS. Multiple Sclerosis Journal, 2016, 22, 1528-1535.	1.4	23
48	BMI1 enhancer polymorphism underlies chromosome 10p12.31 association with childhood acute lymphoblastic leukemia. International Journal of Cancer, 2018, 143, 2647-2658.	2.3	23
49	Genetic variation in the geneLRP2increases relapse risk in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 864-868.	0.9	21
50	Gut microbiome is associated with multiple sclerosis activity in children. Annals of Clinical and Translational Neurology, 2021, 8, 1867-1883.	1.7	21
51	Male microchimerism in peripheral blood leukocytes from women with multiple sclerosis. Chimerism, 2011, 2, 6-10.	0.7	19
52	Heritable variation at the chromosome 21 gene ERG is associated with acute lymphoblastic leukemia risk in children with and without Down syndrome. Leukemia, 2019, 33, 2746-2751.	3.3	18
53	Seafood, fatty acid biosynthesis genes, and multiple sclerosis susceptibility. Multiple Sclerosis Journal, 2020, 26, 1476-1485.	1.4	18
54	Vitamin D genes influence MS relapses in children. Multiple Sclerosis Journal, 2020, 26, 894-901.	1.4	17

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55	Feasibility study for remote assessment of cognitive function in multiple sclerosis. Journal of Neurology and Neuromedicine, 2016, 1, 10-18.	0.9	17
56	Increased risk of rheumatoid arthritis among mothers with children who carryDRB1risk-associated alleles. Annals of the Rheumatic Diseases, 2017, 76, 1405-1410.	0.5	16
57	The multiple sclerosis risk allele within the AHI1 gene is associated with relapses in children and adults. Multiple Sclerosis and Related Disorders, 2018, 19, 161-165.	0.9	15
58	Proximal and distal effects of genetic susceptibility to multiple sclerosis on the T cell epigenome. Nature Communications, 2021, 12, 7078.	5.8	15
59	Polygenic risk score association with multiple sclerosis susceptibility and phenotype in Europeans. Brain, 2023, 146, 645-656.	3.7	15
60	Remote assessment of verbal memory in MS patients using the California Verbal Learning Test. Multiple Sclerosis Journal, 2018, 24, 354-357.	1.4	14
61	A Childâ€™s HLA-DRB1 genotype increases maternal risk of systemic lupus erythematosus. Journal of Autoimmunity, 2016, 74, 201-207.	3.0	12
62	Association Between Time Spent Outdoors and Risk of Multiple Sclerosis. Neurology, 2022, 98, .	1.5	12
63	Pathway Analysis of Genome-wide Association Study in Childhood Leukemia among Hispanics. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 815-822.	1.1	11
64	Global expression and CpG methylation analysis of primary endothelial cells before and after TNFa stimulation reveals gene modules enriched in inflammatory and infectious diseases and associated DMRs. PLoS ONE, 2020, 15, e0230884.	1.1	11
65	mi RNA contributions to pediatricâ€onset multiple sclerosis inferred from GWAS. Annals of Clinical and Translational Neurology, 2019, 6, 1053-1061.	1.7	10
66	No differential gene expression for CD4+ T cells of MS patients and healthy controls. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731985690.	0.5	9
67	Matching on Race and Ethnicity in Case-Control Studies as a Means of Control for Population Stratification. Epidemiology (Sunnyvale, Calif), 2011, 01, 101.	0.3	9
68	Development and Implementation of Dried Blood Spot-Based COVID-19 Serological Assays for Epidemiologic Studies. Microbiology Spectrum, 2022, 10, .	1.2	9
69	Geneâ€“environment interactions increase the risk of pediatric-onset multiple sclerosis associated with ozone pollution. Multiple Sclerosis Journal, 2022, 28, 1330-1339.	1.4	8
70	The price of whole-genome sequencing may be decreasing, but who will be sequenced?. Personalized Medicine, 2017, 14, 203-211.	0.8	7
71	Hypomethylation mediates genetic association with the major histocompatibility complex genes in SjÃ¶grenâ€™s syndrome. PLoS ONE, 2021, 16, e0248429.	1.1	7
72	Increased alloreactive and autoreactive antihuman leucocyte antigen antibodies associated with systemic lupus erythematosus and rheumatoid arthritis. Lupus Science and Medicine, 2018, 5, e000278.	1.1	6

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73	Case-control study of adverse childhood experiences and multiple sclerosis risk and clinical outcomes. PLoS ONE, 2022, 17, e0262093.	1.1	6
74	Genomewide association study of HLA alloimmunization in previously pregnant blood donors. Transfusion, 2018, 58, 402-412.	0.8	5
75	Allergies and Childhood Acute Lymphoblastic Leukemia: A Caseâ€“Control Study and Meta-analysis. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 1142-1150.	1.1	5
76	Dynamics of Methylation of <scp>CpG</scp> Sites Associated With Systemic Lupus Erythematosus Subtypes in a Longitudinal Cohort. Arthritis and Rheumatology, 2022, 74, 1676-1686.	2.9	5
77	New Insights Into the Genetics of Autoimmune Myasthenia Gravis. JAMA Neurology, 2015, 72, 386.	4.5	4
78	Pregnancy does not modify the risk of MS in genetically susceptible women. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	3.1	2
79	A germ-line deletion of APOBEC3B does not contribute to subtype-specific childhood acute lymphoblastic leukemia etiology. Haematologica, 2018, 103, e29-e31.	1.7	1
80	Motherâ˜’child histocompatibility and risk of rheumatoid arthritis and systemic lupus erythematosus among mothers. Genes and Immunity, 2020, 21, 27-36.	2.2	1
81	Association of Helicobacter Pylori Infection with Iron Deficiency in Asians and Pacific Islanders but not in Caucasians, African Americans, or Hispanics. Blood, 2015, 126, 4556-4556.	0.6	1
82	Associations Between Single Nucleotide Polymorphisms in Iron-Related Genes and Iron Status in Multiethnic Populations. Blood, 2011, 118, 2105-2105.	0.6	1
83	Genome-Wide Association Study Identifies Genetic Loci Associated with Iron Deficiency.. Blood, 2009, 114, 4048-4048.	0.6	0
84	Celiac Disease: Association with Iron Deficiency in Caucasians but Not in Non-Caucasians.. Blood, 2012, 120, 2095-2095.	0.6	0