Josep Maria Mercader

List of Publications by Citations

85 papers	5,507 citations	35 h-index	74 g-index
102 ext. papers	7,388 ext. citations	11.4 avg, IF	4.98 L-index

#	Paper	IF	Citations
85	Metformin alters the gut microbiome of individuals with treatment-naive type 2 diabetes, contributing to the therapeutic effects of the drug. *Nature Medicine*, **2017**, 23, 850-858	50.5	732
84	SNPassoc: an R package to perform whole genome association studies. *Bioinformatics*, **2007**, 23, 644-5	7.2	513
83	A genome-wide association study identifies CDHR3 as a susceptibility locus for early childhood asthma with severe exacerbations. *Nature Genetics*, **2014**, 46, 51-5	36.3	376
82	Brain-derived neurotrophic factor Val66Met and psychiatric disorders: meta-analysis of case-control studies confirm association to substance-related disorders, eating disorders, and schizophrenia. *Biological Psychiatry*, **2007**, 61, 911-22	7.9	338
81	Targeting the circulating microRNA signature of obesity. *Clinical Chemistry*, **2013**, 59, 781-92	5.5	281
80	Genome-wide associations for birth weight and correlations with adult disease. *Nature*, **2016**, 538, 248-252	50.4	266
79	Profiling of circulating microRNAs reveals common microRNAs linked to type 2 diabetes that change with insulin sensitization. *Diabetes Care*, **2014**, 37, 1375-83	14.6	241
78	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. *Nature Genetics*, **2019**, 51, 804-814	36.3	181
77	Type 2 diabetes genetic loci informed by multi-trait associations point to disease mechanisms and subtypes: A soft clustering analysis. *PLoS Medicine*, **2018**, 15, e1002654	11.6	180
76	Association of a low-frequency variant in HNF1A with type 2 diabetes in a Latino population. *JAMA - Journal of the American Medical Association*, **2014**, 311, 2305-14	27.4	164
75	Changes in circulating microRNAs are associated with childhood obesity. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E1655-60	5.6	148
74	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. *Nature*, **2019**, 570, 71-76	50.4	129
73	Rare variants in PPARG with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13127-32	11.5	121
72	Human pancreatic islet three-dimensional chromatin architecture provides insights into the genetics of type 2 diabetes. *Nature Genetics*, **2019**, 51, 1137-1148	36.3	111
71	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. *Nature Communications*, **2016**, 7, 10531	17.4	99
70	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. *Cell*, **2017**, 170, 199-212.e20	56.2	94
69	Decreased lipid metabolism but increased FA biosynthesis are coupled with changes in liver microRNAs in obese subjects with NAFLD. *International Journal of Obesity*, **2017**, 41, 620-630	5.5	73

68	Inflammation triggers specific microRNA profiles in human adipocytes and macrophages and in their supernatants. *Clinical Epigenetics*, **2015**, 7, 49	7.7	71
67	Altered Circulating miRNA Expression Profile in Pregestational and Gestational Obesity. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E1446-56	5.6	68
66	Altered brain-derived neurotrophic factor blood levels and gene variability are associated with anorexia and bulimia. *Genes, Brain and Behavior*, **2007**, 6, 706-16	3.6	67
65	Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. *American Journal of Human Genetics*, **2018**, 102, 1204-1211	11	59
64	New insights into the expression profile and function of micro-ribonucleic acid in human spermatozoa. *Fertility and Sterility*, **2014**, 102, 213-222.e4	4.8	58
63	Circulating profiling reveals the effect of a polyunsaturated fatty acid-enriched diet on common microRNAs. *Journal of Nutritional Biochemistry*, **2015**, 26, 1095-101	6.3	57
62	Genome-wide association and HLA fine-mapping studies identify risk loci and genetic pathways underlying allergic rhinitis. *Nature Genetics*, **2018**, 50, 1072-1080	36.3	52
61	Re-analysis of public genetic data reveals a rare X-chromosomal variant associated with type 2 diabetes. *Nature Communications*, **2018**, 9, 321	17.4	50
60	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. *PLoS Genetics*, **2020**, 16, e1008629	6	49
59	Genome-wide association study meta-analysis identifies five new loci for systemic lupus erythematosus. *Arthritis Research and Therapy*, **2018**, 20, 100	5.7	47
58	Suicide attempts in bulimia nervosa: personality and psychopathological correlates. *European Psychiatry*, **2009**, 24, 91-7	6	46
57	Dysregulation of Placental miRNA in Maternal Obesity Is Associated With Pre- and Postnatal Growth. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2584-2594	5.6	45
56	ZNRD1 (zinc ribbon domain-containing 1) is a host cellular factor that influences HIV-1 replication and disease progression. *Clinical Infectious Diseases*, **2010**, 50, 1022-32	11.6	42
55	Association of NTRK3 and its interaction with NGF suggest an altered cross-regulation of the neurotrophin signaling pathway in eating disorders. *Human Molecular Genetics*, **2008**, 17, 1234-44	5.6	42
54	Cardiometabolic risk factors for COVID-19 susceptibility and severity: A Mendelian randomization analysis. *PLoS Medicine*, **2021**, 18, e1003553	11.6	37
53	miRNAs in cerebrospinal fluid identify patients with MS and specifically those with lipid-specific oligoclonal IgM bands. *Multiple Sclerosis Journal*, **2017**, 23, 1716-1726	5	36
52	Surgery-Induced Weight Loss Is Associated With the Downregulation of Genes Targeted by MicroRNAs in Adipose Tissue. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E1467-76	5.6	35
51	A Loss-of-Function Splice Acceptor Variant in Is Protective for Type 2 Diabetes. *Diabetes*, **2017**, 66, 2903-2914	2.9	32

50	Contribution of the serotoninergic system to anxious and depressive traits that may be partially responsible for the phenotypical variability of bulimia nervosa. *Journal of Psychiatric Research*, **2008**, 42, 50-7	5.2	32
49	A cancer-associated polymorphism in ESCRT-III disrupts the abscission checkpoint and promotes genome instability. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8900-E8908	11.5	28
48	Blood levels of brain-derived neurotrophic factor correlate with several psychopathological symptoms in anorexia nervosa patients. *Neuropsychobiology*, **2007**, 56, 185-90	4	25
47	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
46	Correlation of BDNF blood levels with interoceptive awareness and maturity fears in anorexia and bulimia nervosa patients. *Journal of Neural Transmission*, **2010**, 117, 505-12	4.3	21
45	A Genome-Wide Association Study Using a Custom Genotyping Array Identifies Variants in Associated With Reduced Energy Expenditure in American Indians. *Diabetes*, **2017**, 66, 2284-2295	0.9	20
44	Transferrin receptor-1 gene polymorphisms are associated with type 2 diabetes. *European Journal of Clinical Investigation*, **2010**, 40, 600-7	4.6	19
43	Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE epsilon4 allele. *Neurobiology of Aging*, **2008**, 29, 1644-53	5.6	19
42	Hypothalamus transcriptome profile suggests an anorexia-cachexia syndrome in the anx/anx mouse model. *Physiological Genomics*, **2008**, 35, 341-50	3.6	19
41	The Genetic Basis of Type 2 Diabetes in Hispanics and Latin Americans: Challenges and Opportunities. *Frontiers in Public Health*, **2017**, 5, 329	6	18
40	Identification of novel type 2 diabetes candidate genes involved in the crosstalk between the mitochondrial and the insulin signaling systems. *PLoS Genetics*, **2012**, 8, e1003046	6	17
39	Nucleotide, cytogenetic and expression impact of the human chromosome 8p23.1 inversion polymorphism. *PLoS ONE*, **2009**, 4, e8269	3.7	15
38	Adaptation to environmental factors shapes the organization of regulatory regions in microbial communities. *BMC Genomics*, **2014**, 15, 877	4.5	13
37	Thyroid hormone receptor alpha gene variants increase the risk of developing obesity and show gene-diet interactions. *International Journal of Obesity*, **2013**, 37, 1499-505	5.5	12
36	Common genetic variants of surfactant protein-D (SP-D) are associated with type 2 diabetes. *PLoS ONE*, **2013**, 8, e60468	3.7	12
35	Targeting the association of calgranulin B (S100A9) with insulin resistance and type 2 diabetes. *Journal of Molecular Medicine*, **2013**, 91, 523-34	5.5	11
34	Aberrant brain microRNA target and miRISC gene expression in the anx/anx anorexia mouse model. *Gene*, **2012**, 497, 181-90	3.8	11
33	Unravelling the hidden DNA structural/physical code provides novel insights on promoter location. *Nucleic Acids Research*, **2013**, 41, 7220-30	20.1	11

32	Trans-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation		10
31	The impact of non-additive genetic associations on age-related complex diseases. *Nature Communications*, **2021**, 12, 2436	17.4	10
30	PAIRUP-MS: Pathway analysis and imputation to relate unknowns in profiles from mass spectrometry-based metabolite data. *PLoS Computational Biology*, **2019**, 15, e1006734	5	9
29	Interaction Between Type 2 Diabetes Prevention Strategies and Genetic Determinants of Coronary Artery Disease on Cardiometabolic Risk Factors. *Diabetes*, **2020**, 69, 112-120	0.9	9
28	Genomic profiling in advanced stage non-small-cell lung cancer patients with platinum-based chemotherapy identifies germline variants with prognostic value in SMYD2. *Cancer Treatment and Research Communications*, **2018**, 15, 21-31	2	8
27	MRPS18CP2 alleles and DEFA3 absence as putative chromosome 8p23.1 modifiers of hearing loss due to mtDNA mutation A1555G in the 12S rRNA gene. *BMC Medical Genetics*, **2007**, 8, 81	2.1	8
26	The First Genome-Wide Association Study for Type 2 Diabetes in Youth: The Progress in Diabetes Genetics in Youth (ProDiGY) Consortium. *Diabetes*, **2021**, 70, 996-1005	0.9	8
25	Role of the neurotrophin network in eating disorders subphenotypes: body mass index and age at onset of the disease. *Journal of Psychiatric Research*, **2010**, 44, 834-40	5.2	7
24	Human pancreatic islet 3D chromatin architecture provides insights into the genetics of type 2 diabetes		7
23	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. *Nature Genetics*, **2022**,	36.3	7
22	A Polygenic Lipodystrophy Genetic Risk Score Characterizes Risk Independent of BMI in the Diabetes Prevention Program. *Journal of the Endocrine Society*, **2019**, 3, 1663-1677	0.4	6
21	Estimating heritability and its enrichment in tissue-specific gene sets in admixed populations. *Human Molecular Genetics*, **2021**, 30, 1521-1534	5.6	6
20	A functional IFN-λ4-generating DNA polymorphism could protect older asthmatic women from aeroallergen sensitization and associate with clinical features of asthma. *Scientific Reports*, **2017**, 7, 10500	4.9	5
19	Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. *Diabetes Care*, **2021**, 44, 2673-2682	14.6	5
18	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. *Cell Reports*, **2021**, 37, 109807	10.6	5
17	Clustering of Type 2 Diabetes Genetic Loci by Multi-Trait Associations Identifies Disease Mechanisms and Subtypes		5
16	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. *Nature Communications*, **2021**, 12, 3505	17.4	5
15	Integrating untargeted metabolomics, genetically informed causal inference, and pathway enrichment to define the obesity metabolome. *International Journal of Obesity*, **2020**, 44, 1596-1606	5.5	4

14	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. *Diabetes Care*, **2021**,	14.6	4
13	Using metabolite profiling to construct and validate a metabolite risk score for predicting future weight gain. *PLoS ONE*, **2019**, 14, e0222445	3.7	3
12	Polymorphic Inversions Underlie the Shared Genetic Susceptibility of Obesity-Related Diseases. *American Journal of Human Genetics*, **2020**, 106, 846-858	11	3
11	Analysis of the multi-copy gene family FAM90A as a copy number variant in different ethnic backgrounds. *Gene*, **2008**, 420, 113-7	3.8	3
10	The impact of non-additive genetic associations on age-related complex diseases		3
9	Discovering cellular programs of intrinsic and extrinsic drivers of metabolic traits using LipocyteProfiler		3
8	Genetic discovery and translational decision support from exome sequencing of 20,791 type 2 diabetes cases and 24,440 controls from five ancestries		2
7	Analysis of Glucocorticoid-Related Genes Reveal as a New Candidate Gene for Type 2 Diabetes. *Journal of the Endocrine Society*, **2020**, 4, bvaa121	0.4	2
6	Cytoskeletal transgelin 2 contributes to gender-dependent adipose tissue expandability and immune function. *FASEB Journal*, **2019**, 33, 9656-9671	0.9	1
5	Predicting diabetes risk in diverse populations: what next?. *Lancet Diabetes and Endocrinology,the*, **2021**, 9, 808-810	18.1	1
4	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes		1
3	Recessive Genome-wide Meta-analysis Illuminates Genetic Architecture of Type 2 Diabetes. *Diabetes*, **2021**,	0.9	0
2	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits-The Hispanic/Latino Anthropometry Consortium.. *Human Genetics and Genomics Advances*, **2022**, 3, 100099	0.8	0
1	Response to Comment on Dawed et al. Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. Diabetes Care 2021;44:2673-2682.. *Diabetes Care*, **2022**, 45, e82-e83	14.6	