

Aline Meirhaeghe

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116
papers

13,376
citations

36
h-index

115
g-index

118
ext. papers

16,257
ext. citations

7.5
avg, IF

7.2
L-index

#	Paper	IF	Citations
116	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. <i>Lancet, The</i> , 2017 , 390, 2627-2642	40	2980
115	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants. <i>Lancet, The</i> , 2016 , 387, 1377-1396	40	2787
114	Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants. <i>Lancet, The</i> , 2016 , 387, 1513-1530	40	2039
113	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants. <i>Lancet, The</i> , 2017 , 389, 37-55	40	1100
112	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , 2011 , 8, e1001116	11.6	379
111	A genome-wide association meta-analysis identifies new childhood obesity loci. <i>Nature Genetics</i> , 2012 , 44, 526-31	36.3	292
110	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , 2013 , 45, 76-82	36.3	232
109	Ablation of PGC-1beta results in defective mitochondrial activity, thermogenesis, hepatic function, and cardiac performance. <i>PLoS Biology</i> , 2006 , 4, e369	9.7	217
108	Characterization of the human, mouse and rat PGC1 beta (peroxisome-proliferator-activated receptor-gamma co-activator 1 beta) gene in vitro and in vivo. <i>Biochemical Journal</i> , 2003 , 373, 155-65	3.8	167
107	A genetic polymorphism of the peroxisome proliferator-activated receptor gamma gene influences plasma leptin levels in obese humans. <i>Human Molecular Genetics</i> , 1998 , 7, 435-40	5.6	164
106	Single nucleotide polymorphisms in the FADS gene cluster are associated with delta-5 and delta-6 desaturase activities estimated by serum fatty acid ratios. <i>Journal of Lipid Research</i> , 2010 , 51, 2325-33	6.3	134
105	Impact of the Peroxisome Proliferator Activated Receptor gamma2 Pro12Ala polymorphism on adiposity, lipids and non-insulin-dependent diabetes mellitus. <i>International Journal of Obesity</i> , 2000 , 24, 195-9	5.5	131
104	Digenic inheritance of severe insulin resistance in a human pedigree. <i>Nature Genetics</i> , 2002 , 31, 379-84	36.3	121
103	Beta2-adrenoceptor gene polymorphism, body weight, and physical activity. <i>Lancet, The</i> , 1999 , 353, 896	40	121
102	Impact of genetic variation of PPARgamma in humans. <i>Molecular Genetics and Metabolism</i> , 2004 , 83, 93-102	3.7	119
101	Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331,288 participants. <i>Lancet Diabetes and Endocrinology, the</i> , 2015 , 3, 624-37	18.1	109
100	CD36 and SR-BI are involved in cellular uptake of provitamin A carotenoids by Caco-2 and HEK cells, and some of their genetic variants are associated with plasma concentrations of these micronutrients in humans. <i>Journal of Nutrition</i> , 2013 , 143, 448-56	4.1	85

99	Attenuation of the effect of the FTO rs9939609 polymorphism on total and central body fat by physical activity in adolescents: the HELENA study. <i>JAMA Pediatrics</i> , 2010 , 164, 328-33		85
98	A functional polymorphism in a STAT5B site of the human PPAR gamma 3 gene promoter affects height and lipid metabolism in a French population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 289-94	9.4	85
97	Mendelian randomization study of B-type natriuretic peptide and type 2 diabetes: evidence of causal association from population studies. <i>PLoS Medicine</i> , 2011 , 8, e1001112	11.6	79
96	An uncoupling protein 3 gene polymorphism associated with a lower risk of developing Type II diabetes and with atherogenic lipid profile in a French cohort. <i>Diabetologia</i> , 2000 , 43, 1424-8	10.3	70
95	Impact of polymorphisms of the human beta2-adrenoceptor gene on obesity in a French population. <i>International Journal of Obesity</i> , 2000 , 24, 382-7	5.5	69
94	Association between peroxisome proliferator-activated receptor gamma haplotypes and the metabolic syndrome in French men and women. <i>Diabetes</i> , 2005 , 54, 3043-8	0.9	68
93	Association between the T-381C polymorphism of the brain natriuretic peptide gene and risk of type 2 diabetes in human populations. <i>Human Molecular Genetics</i> , 2007 , 16, 1343-50	5.6	64
92	The Gly16-->Arg16 and Gln27-->Glu27 polymorphisms of beta2-adrenergic receptor are associated with metabolic syndrome in men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 4862-6	5.6	63
91	Cardiorespiratory fitness and ideal cardiovascular health in European adolescents. <i>Heart</i> , 2015 , 101, 766-73	5.3	61
90	Effect of an FTO polymorphism on fat mass, obesity, and type 2 diabetes mellitus in the French MONICA Study. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 971-5	12.7	56
89	Age- and sex-specific causal effects of adiposity on cardiovascular risk factors. <i>Diabetes</i> , 2015 , 64, 1841-52	5.9	50
88	The 5A6A polymorphism in the promoter of the stromelysin-1 (MMP3) gene as a risk factor for restenosis. <i>European Heart Journal</i> , 2002 , 23, 721-5	9.5	48
87	Single-nucleotide polymorphism of CD36 locus and obesity in European adolescents. <i>Obesity</i> , 2010 , 18, 1398-403	8	47
86	Genetic variants in human sterol regulatory element binding protein-1c in syndromes of severe insulin resistance and type 2 diabetes. <i>Diabetes</i> , 2004 , 53, 842-6	0.9	46
85	Early life programming of abdominal adiposity in adolescents: The HELENA Study. <i>Diabetes Care</i> , 2009 , 32, 2120-2	14.6	41
84	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. <i>International Journal of Epidemiology</i> , 2018 , 47, 872-883i	7.8	40
83	Lack of association between certain candidate gene polymorphisms and the metabolic syndrome. <i>Molecular Genetics and Metabolism</i> , 2005 , 86, 293-9	3.7	39
82	A dominant negative human peroxisome proliferator-activated receptor (PPAR){alpha} is a constitutive transcriptional corepressor and inhibits signaling through all PPAR isoforms. <i>Endocrinology</i> , 2005 , 146, 1871-82	4.8	38

81	Polymorphisms in the CD36/FAT gene are associated with plasma vitamin E concentrations in humans. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 644-51	7	36
80	Impact of sulfonylurea receptor 1 genetic variability on non-insulin-dependent diabetes mellitus prevalence and treatment: a population study. <i>American Journal of Medical Genetics Part A</i> , 2001 , 101, 4-8		36
79	Association between the FTO rs9939609 polymorphism and leptin in European adolescents: a possible link with energy balance control. The HELENA study. <i>International Journal of Obesity</i> , 2011 , 35, 66-71	5.5	35
78	FADS1 genetic variability interacts with dietary linolenic acid intake to affect serum non-HDL-cholesterol concentrations in European adolescents. <i>Journal of Nutrition</i> , 2011 , 141, 1247-53	4.1	35
77	Gender related association between genetic variations of APOC-III gene and lipid and lipoprotein variables in northern France. <i>Atherosclerosis</i> , 2000 , 150, 149-57	3.1	35
76	Impact of REV-ERB alpha gene polymorphisms on obesity phenotypes in adult and adolescent samples. <i>International Journal of Obesity</i> , 2013 , 37, 666-72	5.5	34
75	A possible role for the PPARG Pro12Ala polymorphism in preterm birth. <i>Diabetes</i> , 2007 , 56, 494-8	0.9	34
74	Associations between long-term exposure to air pollution, glycosylated hemoglobin, fasting blood glucose and diabetes mellitus in northern France. <i>Environment International</i> , 2018 , 120, 121-129	12.9	33
73	Intronic polymorphism in the fatty acid transport protein 1 gene is associated with increased plasma triglyceride levels in a French population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1330-4	9.4	32
72	How obesity relates to socio-economic status: identification of eating behavior mediators. <i>International Journal of Obesity</i> , 2016 , 40, 1794-1801	5.5	31
71	The effect of the Gly16Arg polymorphism of the beta(2)-adrenergic receptor gene on plasma free fatty acid levels is modulated by physical activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 5881-7	5.6	30
70	Genetic and molecular insights into the role of PROX1 in glucose metabolism. <i>Diabetes</i> , 2013 , 62, 1738-45.9		29
69	Associations between common genetic polymorphisms in angiopoietin-like proteins 3 and 4 and lipid metabolism and adiposity in European adolescents and adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 5070-7	5.6	28
68	The human G-protein beta3 subunit C825T polymorphism is associated with coronary artery vasoconstriction. <i>European Heart Journal</i> , 2001 , 22, 845-8	9.5	28
67	Associations of genetic variants in/near body mass index-associated genes with type 2 diabetes: a systematic meta-analysis. <i>Clinical Endocrinology</i> , 2014 , 81, 702-10	3.4	27
66	Association between liver X receptor alpha gene polymorphisms and risk of metabolic syndrome in French populations. <i>International Journal of Obesity</i> , 2008 , 32, 421-8	5.5	27
65	Physical activity attenuates the effect of low birth weight on insulin resistance in adolescents: findings from two observational studies. <i>Diabetes</i> , 2011 , 60, 2295-9	0.9	25
64	Impact of APOE gene polymorphisms on the lipid profile in an Algerian population. <i>Lipids in Health and Disease</i> , 2013 , 12, 155	4.4	24

63	The APOA5 Trp19 allele is associated with metabolic syndrome via its association with plasma triglycerides. <i>BMC Medical Genetics</i> , 2008 , 9, 84	2.1	24
62	The Effect of the Gly16Arg Polymorphism of the β -Adrenergic Receptor Gene on Plasma Free Fatty Acid Levels Is Modulated by Physical Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 5881-5887	5.6	24
61	Suggestive evidence of associations between liver X receptor polymorphisms with type 2 diabetes mellitus and obesity in three cohort studies: HUNT2 (Norway), MONICA (France) and HELENA (Europe). <i>BMC Medical Genetics</i> , 2010 , 11, 144	2.1	23
60	Polymorphisms of the tissue factor pathway inhibitor gene and the risk of restenosis after coronary angioplasty. <i>Blood Coagulation and Fibrinolysis</i> , 2001 , 12, 317-23	1	23
59	Study of a new PPARgamma2 promoter polymorphism and haplotype analysis in a French population. <i>Molecular Genetics and Metabolism</i> , 2005 , 85, 140-8	3.7	22
58	Peroxisome proliferator-activated receptor gamma polymorphisms and coronary heart disease. <i>PPAR Research</i> , 2009 , 2009, 543746	4.3	21
57	Intake and dietary sources of haem and non-haem iron among European adolescents and their association with iron status and different lifestyle and socio-economic factors. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 765-72	5.2	20
56	Multiple microRNA regulation of lipoprotein lipase gene abolished by 3RTR polymorphisms in a triglyceride-lowering haplotype harboring p.Ser474Ter. <i>Atherosclerosis</i> , 2016 , 246, 280-6	3.1	19
55	Effects of established BMI-associated loci on obesity-related traits in a French representative population sample. <i>BMC Genetics</i> , 2014 , 15, 62	2.6	18
54	The TCF7L2 rs7903146 polymorphism, dietary intakes and type 2 diabetes risk in an Algerian population. <i>BMC Genetics</i> , 2014 , 15, 134	2.6	17
53	Breast-feeding modulates the influence of the peroxisome proliferator-activated receptor-gamma (PPARG2) Pro12Ala polymorphism on adiposity in adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) cross-sectional study. <i>Diabetes Care</i> , 2010 , 33, 190-6	14.6	17
52	Associations between common genetic polymorphisms in the liver X receptor alpha and its target genes with the serum HDL-cholesterol concentration in adolescents of the HELENA Study. <i>Atherosclerosis</i> , 2011 , 216, 166-9	3.1	16
51	The effect of ponderal index at birth on the relationships between common LEP and LEPR polymorphisms and adiposity in adolescents. <i>Obesity</i> , 2011 , 19, 2038-45	8	16
50	Study of estrogen receptor- β and receptor- α gene polymorphisms on Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2011 , 26, 431-9	4.3	15
49	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits: A Mendelian Randomization Study. <i>JAMA Network Open</i> , 2019 , 2, e1910915	10.4	14
48	Dietary fat intake modifies the influence of the FTO rs9939609 polymorphism on adiposity in adolescents: The HELENA cross-sectional study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016 , 26, 937-43	4.5	14
47	Influence of maternal educational level on the association between the rs3809508 neuromedin B gene polymorphism and the risk of obesity in the HELENA study. <i>International Journal of Obesity</i> , 2010 , 34, 478-86	5.5	14
46	Study of the impact of perlipin polymorphisms in a French population. <i>Journal of Negative Results in BioMedicine</i> , 2006 , 5, 10		13

45	Thyroid hormone receptor alpha gene variants increase the risk of developing obesity and show gene-diet interactions. <i>International Journal of Obesity</i> , 2013 , 37, 1499-505	5.5	12
44	Study of thyroid hormone receptor alpha gene polymorphisms on Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011 , 32, 624-30	5.6	12
43	Low-grade systemic inflammation: a partial mediator of the relationship between diabetes and lung function. <i>Annals of Epidemiology</i> , 2018 , 28, 26-32	6.4	12
42	Sex Differences in Stroke Attack, Incidence, and Mortality Rates in Northern France. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018 , 27, 1368-1374	2.8	11
41	Body size at birth modifies the effect of fat mass and obesity associated (FTO) rs9939609 polymorphism on adiposity in adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence (HELENA) study. <i>British Journal of Nutrition</i> , 2012 , 107, 1498-504	3.6	11
40	The APOA4 Thr347->Ser347 polymorphism is not a major risk factor of obesity. <i>Obesity</i> , 2005 , 13, 2132-8		11
39	Polymorphisms in the insulin response element of APOC-III gene promoter influence the correlation between insulin and triglycerides or triglyceride-rich lipoproteins in humans. <i>International Journal of Obesity</i> , 2001 , 25, 1012-7	5.5	11
38	Dietary linoleic acid interacts with FADS1 genetic variability to modulate HDL-cholesterol and obesity-related traits. <i>Clinical Nutrition</i> , 2018 , 37, 1683-1689	5.9	10
37	The n-3 long-chain PUFAs modulate the impact of the GCKR Pro446Leu polymorphism on triglycerides in adolescents. <i>Journal of Lipid Research</i> , 2015 , 56, 1774-80	6.3	9
36	Association between a thyroid hormone receptor- β gene polymorphism and blood pressure but not with coronary heart disease risk. <i>American Journal of Hypertension</i> , 2011 , 24, 1027-34	2.3	9
35	Common polymorphisms in six genes of the methyl group metabolism pathway and obesity in European adolescents. <i>Pediatric Obesity</i> , 2011 , 6, e336-44		8
34	No association between polymorphisms in the INSIG1 gene and the risk of type 2 diabetes and related traits. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 252-7	7	8
33	Association between angiotensin-like 6 (ANGPTL6) gene polymorphisms and metabolic syndrome-related phenotypes in the French MONICA Study. <i>Diabetes and Metabolism</i> , 2009 , 35, 287-92	5.4	8
32	In obese and non-obese adults, the cis-regulatory rs361072 promoter variant of PIK3CB is associated with insulin resistance not with type 2 diabetes. <i>Molecular Genetics and Metabolism</i> , 2009 , 96, 129-32	3.7	8
31	Paraoxonase (Gln192-Arg) polymorphism in French type 2 diabetics. <i>Atherosclerosis</i> , 1999 , 147, 415-6	3.1	8
30	ACE inhibitors, AT1 receptor blockers and COVID-19: clinical epidemiology evidences for a continuation of treatments. The ACER-COVID study		8
29	Is the adiposity-associated FTO gene variant related to all-cause mortality independent of adiposity? Meta-analysis of data from 169,551 Caucasian adults. <i>Obesity Reviews</i> , 2015 , 16, 327-340	10.6	7
28	Associations between REV-ERB α sleep duration and body mass index in European adolescents. <i>Sleep Medicine</i> , 2018 , 46, 56-60	4.6	7

27	Interplay between the Mediterranean diet and C-reactive protein genetic polymorphisms towards inflammation in adolescents. <i>Clinical Nutrition</i> , 2020 , 39, 1919-1926	5.9	7
26	Coronary heart disease incidence still decreased between 2006 and 2014 in France, except in young age groups: Results from the French MONICA registries. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 1178-1186	3.9	6
25	Intake and dietary sources of haem and non-haem iron in Flemish preschoolers. <i>European Journal of Clinical Nutrition</i> , 2012 , 66, 806-12	5.2	6
24	Associations of common SNPs in the SORT1, GCKR, LPL, APOA1, CETP, LDLR, APOE genes with lipid trait levels in an Algerian population sample. <i>International Journal of Clinical and Experimental Pathology</i> , 2015 , 8, 7358-63	1.4	6
23	Association between UCP1, UCP2, and UCP3 gene polymorphisms with markers of adiposity in European adolescents: The HELENA study. <i>Pediatric Obesity</i> , 2019 , 14, e12504	4.6	5
22	Effects of established blood pressure loci on blood pressure values and hypertension risk in an Algerian population sample. <i>Journal of Human Hypertension</i> , 2015 , 29, 296-302	2.6	5
21	Combined effect of established BMI loci on obesity-related traits in an Algerian population sample. <i>BMC Genetics</i> , 2014 , 15, 128	2.6	5
20	Study of the genetic variability of ZAC1 (PLAGL1) in French population-based samples. <i>Journal of Hypertension</i> , 2009 , 27, 314-21	1.9	5
19	Identification of a functional FADS1 3'RTR variant associated with erythrocyte n-6 polyunsaturated fatty acids levels. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 1280-1289	4.9	5
18	Associations of early life and sociodemographic factors with menarcheal age in European adolescents. <i>European Journal of Pediatrics</i> , 2015 , 174, 271-8	4.1	4
17	Hypomethylation of the promoter of the catalytic subunit of protein phosphatase 2A in response to hyperglycemia. <i>Physiological Reports</i> , 2014 , 2, e12076	2.6	4
16	Triglyceride-mediated pathways and coronary heart disease. <i>Lancet, The</i> , 2010 , 376, 956-7; author reply 957-8	4.0	4
15	PCSK9 post-transcriptional regulation: Role of a 3'RTR microRNA-binding site variant in linkage disequilibrium with c.1420G. <i>Atherosclerosis</i> , 2020 , 314, 63-70	3.1	4
14	Examination of the brain natriuretic peptide rs198389 single-nucleotide polymorphism on type 2 diabetes mellitus and related phenotypes in an Algerian population. <i>Gene</i> , 2015 , 567, 159-63	3.8	3
13	Comparison of the rates of stroke and acute coronary events in northern France. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 1534-1542	3.9	3
12	Physical activity modifies the associations between genetic variants and blood pressure in European adolescents. <i>Journal of Pediatrics</i> , 2014 , 165, 1046-9.e1-2	3.6	3
11	Concordance of two multiple analytical approaches demonstrate that interaction between BMI and ADIPOQ haplotypes is a determinant of LDL cholesterol in a general French population. <i>Journal of Human Genetics</i> , 2010 , 55, 227-31	4.3	3
10	Development of a Genetic Risk Score to predict the risk of overweight and obesity in European adolescents from the HELENA study. <i>Scientific Reports</i> , 2021 , 11, 3067	4.9	3

9	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. <i>European Journal of Epidemiology</i> , 2020 , 35, 685-697	12.1	2
8	A study of the relationships between KLF2 polymorphisms and body weight control in a French population. <i>BMC Medical Genetics</i> , 2006 , 7, 26	2.1	2
7	Interaction Effect of the Mediterranean Diet and an Obesity Genetic Risk Score on Adiposity and Metabolic Syndrome in Adolescents: The HELENA Study. <i>Nutrients</i> , 2020 , 12,	6.7	2
6	Association between lipoprotein lipase gene polymorphisms and cardiovascular disease risk factors in European adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence study. <i>Pediatric Diabetes</i> , 2020 , 21, 747-757	3.6	1
5	Interplay of physical activity and genetic variants of the endothelial lipase on cardiovascular disease risk factors. <i>Pediatric Research</i> , 2021 ,	3.2	1
4	Large disparities in 28-day case fatality by stroke subtype: data from a French stroke registry between 2008 and 2017. <i>European Journal of Neurology</i> , 2021 , 28, 2208-2217	6	1
3	The relationship between neighbourhood walkability and cardiovascular risk factors in northern France. <i>Science of the Total Environment</i> , 2021 , 772, 144877	10.2	1
2	Role of Lipid Binding Proteins in Disease	397-400	
1	Comparison of clinical profiles and care for patients with incident versus recurrent acute coronary syndromes in France: Data from the MONICA registries.. <i>PLoS ONE</i> , 2022 , 17, e0263589	3.7	