

# Aline Meirhaeghe

## List of Publications by Year in descending order

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117  
papers

18,933  
citations

76322

40  
h-index

20955

115  
g-index

118  
all docs

118  
docs citations

118  
times ranked

33631  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	13.7	5,010
2	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.	13.7	3,941
3	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.	13.7	2,842
4	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.	13.7	1,667
5	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.	8.4	446
6	A genome-wide association meta-analysis identifies new childhood obesity loci. <i>Nature Genetics</i> , 2012, 44, 526-531.	21.4	352
7	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.	21.4	293
8	Ablation of PGC-1 $\beta$ Results in Defective Mitochondrial Activity, Thermogenesis, Hepatic Function, and Cardiac Performance. <i>PLoS Biology</i> , 2006, 4, e369.	5.6	249
9	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, 435-440.	2.9	193
10	Characterization of the human, mouse and rat PGC1beta (peroxisome-proliferator-activated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.7	185
11	Impact of the Peroxisome Proliferator Activated Receptor $\beta$ Pro12Ala polymorphism on adiposity, lipids and non-insulin-dependent diabetes mellitus. <i>International Journal of Obesity</i> , 2000, 24, 195-199.	3.4	155
12	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, 2325-2333.	4.2	153
13	$\beta$ 2-adrenoceptor gene polymorphism, body weight, and physical activity. <i>Lancet, The</i> , 1999, 353, 896.	13.7	140
14	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</i> , 2015, 3, 624-637.	11.4	139
15	Impact of genetic variation of PPAR $\beta$ in humans. <i>Molecular Genetics and Metabolism</i> , 2004, 83, 93-102.	1.1	138
16	Digenic inheritance of severe insulin resistance in a human pedigree. <i>Nature Genetics</i> , 2002, 31, 379-384.	21.4	134
17	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, 448-456.	2.9	109
18	Attenuation of the Effect of the FTO rs9939609 Polymorphism on Total and Central Body Fat by Physical Activity in Adolescents. <i>JAMA Pediatrics</i> , 2010, 164, 328.	3.0	101

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19	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.	8.4	92
20	A Functional Polymorphism in a STAT5B Site of the Human <i>PPAR<math>\beta</math></i> Gene Promoter Affects Height and Lipid Metabolism in a French Population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 289-294.	2.4	91
21	Impact of polymorphisms of the human $\beta$ 2-adrenoceptor gene on obesity in a French population. <i>International Journal of Obesity</i> , 2000, 24, 382-387.	3.4	84
22	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, 1424-1428.	6.3	83
23	Association Between Peroxisome Proliferator-Activated Receptor $\alpha$ Haplotypes and the Metabolic Syndrome in French Men and Women. <i>Diabetes</i> , 2005, 54, 3043-3048.	0.6	81
24	Cardiorespiratory fitness and ideal cardiovascular health in European adolescents. <i>Heart</i> , 2015, 101, 766-773.	2.9	79
25	The Gly16 $\rightarrow$ Arg16 and Gln27 $\rightarrow$ Glu27 Polymorphisms of $\beta$ 2-Adrenergic Receptor Are Associated with Metabolic Syndrome in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4862-4866.	3.6	73
26	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, 1343-1350.	2.9	72
27	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, 971-975.	3.4	70
28	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.	1.9	65
29	Age- and Sex-Specific Causal Effects of Adiposity on Cardiovascular Risk Factors. <i>Diabetes</i> , 2015, 64, 1841-1852.	0.6	63
30	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, 721-725.	2.2	59
31	Single-nucleotide Polymorphism of CD36 Locus and Obesity in European Adolescents. <i>Obesity</i> , 2010, 18, 1398-1403.	3.0	58
32	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.	10.0	56
33	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, 842-846.	0.6	55
34	How obesity relates to socio-economic status: identification of eating behavior mediators. <i>International Journal of Obesity</i> , 2016, 40, 1794-1801.	3.4	51
35	Early Life Programming of Abdominal Adiposity in Adolescents: The HELENA Study. <i>Diabetes Care</i> , 2009, 32, 2120-2122.	8.6	46
36	FADS1 Genetic Variability Interacts with Dietary $\omega$ -3-Linolenic Acid Intake to Affect Serum Non-HDL Cholesterol Concentrations in European Adolescents. <i>Journal of Nutrition</i> , 2011, 141, 1247-1253.	2.9	45

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37	Lack of association between certain candidate gene polymorphisms and the metabolic syndrome. <i>Molecular Genetics and Metabolism</i> , 2005, 86, 293-299.	1.1	43
38	Polymorphisms in the CD36/FAT gene are associated with plasma vitamin E concentrations in humans. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 644-651.	4.7	43
39	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.	3.4	42
40	Impact of REV-ERB alpha gene polymorphisms on obesity phenotypes in adult and adolescent samples. <i>International Journal of Obesity</i> , 2013, 37, 666-672.	3.4	42
41	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits. <i>JAMA Network Open</i> , 2019, 2, e1910915.	5.9	41
42	Gender related association between genetic variations of APOC-III gene and lipid and lipoprotein variables in northern France. <i>Atherosclerosis</i> , 2000, 150, 149-157.	0.8	40
43	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, 1871-1882.	2.8	39
44	A Possible Role for the PPARG Pro12Ala Polymorphism in Preterm Birth. <i>Diabetes</i> , 2007, 56, 494-498.	0.6	39
45	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.	2.4	38
46	Genetic and Molecular Insights Into the Role of <i>PROX1</i> in Glucose Metabolism. <i>Diabetes</i> , 2013, 62, 1738-1745.	0.6	38
47	The human G-protein $\beta$ 3 subunit C825T polymorphism is associated with coronary artery vasoconstriction. <i>European Heart Journal</i> , 2001, 22, 845-848.	2.2	37
48	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, 1330-1334.	2.4	36
49	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, 5881-5887.	3.6	36
50	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, 702-710.	2.4	35
51	Associations between Common Genetic Polymorphisms in Angiotensin-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, 5070-5077.	3.6	32
52	Association between liver X receptor $\alpha$ gene polymorphisms and risk of metabolic syndrome in French populations. <i>International Journal of Obesity</i> , 2008, 32, 421-428.	3.4	30
53	Physical Activity Attenuates the Effect of Low Birth Weight on Insulin Resistance in Adolescents. <i>Diabetes</i> , 2011, 60, 2295-2299.	0.6	30
54	Study of a new PPAR $\alpha$ promoter polymorphism and haplotype analysis in a French population. <i>Molecular Genetics and Metabolism</i> , 2005, 85, 140-148.	1.1	28

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55	Impact of APOE gene polymorphisms on the lipid profile in an Algerian population. <i>Lipids in Health and Disease</i> , 2013, 12, 155.	3.0	28
56	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, 5881-5887.	3.6	28
57	Polymorphisms of the tissue factor pathway inhibitor gene and the risk of restenosis after coronary angioplasty. <i>Blood Coagulation and Fibrinolysis</i> , 2001, 12, 317-323.	1.0	25
58	The APOA5Trp19 allele is associated with metabolic syndrome via its association with plasma triglycerides. <i>BMC Medical Genetics</i> , 2008, 9, 84.	2.1	25
59	Peroxisome Proliferator-Activated Receptor Gamma Polymorphisms and Coronary Heart Disease. <i>PPAR Research</i> , 2009, 2009, 1-11.	2.4	25
60	Suggestive evidence of associations between liver X receptor $\beta$ 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	25
61	Dietary linoleic acid interacts with FADS1 genetic variability to modulate HDL-cholesterol and obesity-related traits. <i>Clinical Nutrition</i> , 2018, 37, 1683-1689.	5.0	25
62	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, 765-772.	2.9	24
63	The TCF7L2rs7903146 polymorphism, dietary intakes and type 2 diabetes risk in an Algerian population. <i>BMC Genetics</i> , 2014, 15, 134.	2.7	24
64	Multiple microRNA regulation of lipoprotein lipase gene abolished by 3'UTR polymorphisms in a triglyceride-lowering haplotype harboring p.Ser474Ter. <i>Atherosclerosis</i> , 2016, 246, 280-286.	0.8	23
65	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, 190-196.	8.6	22
66	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, 478-486.	3.4	20
67	Effects of established BMI-associated loci on obesity-related traits in a French representative population sample. <i>BMC Genetics</i> , 2014, 15, 62.	2.7	19
68	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, 937-943.	2.6	19
69	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, 166-169.	0.8	18
70	Study of Estrogen Receptor- $\alpha$ and Receptor- $\beta$ Gene Polymorphisms on Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 431-439.	2.6	18
71	Study of the impact of perilipin polymorphisms in a French population. <i>Journal of Negative Results in BioMedicine</i> , 2006, 5, 10.	1.4	17
72	Sex Differences in Stroke Attack, Incidence, and Mortality Rates in Northern France. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 1368-1374.	1.6	17

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73	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.	3.3	17
74	Study of thyroid hormone receptor alpha gene polymorphisms on Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011, 32, 624-630.	3.1	16
75	The Effect of Ponderal Index at Birth on the Relationships Between Common <i>LEP</i> and <i>LEPR</i> Polymorphisms and Adiposity in Adolescents. <i>Obesity</i> , 2011, 19, 2038-2045.	3.0	16
76	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, 1499-1505.	3.4	16
77	Interplay between the Mediterranean diet and C-reactive protein genetic polymorphisms towards inflammation in adolescents. <i>Clinical Nutrition</i> , 2020, 39, 1919-1926.	5.0	16
78	Low-grade systemic inflammation: a partial mediator of the relationship between diabetes and lung function. <i>Annals of Epidemiology</i> , 2018, 28, 26-32.	1.9	15
79	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.	1.8	14
80	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, 1012-1017.	3.4	12
81	Association between angiotensin-converting enzyme 1 (ACE1) gene polymorphisms and metabolic syndrome-related phenotypes in the French MONICA Study. <i>Diabetes and Metabolism</i> , 2009, 35, 287-292.	2.9	12
82	Association Between a Thyroid Hormone Receptor- $\alpha$ Gene Polymorphism and Blood Pressure but Not With Coronary Heart Disease Risk. <i>American Journal of Hypertension</i> , 2011, 24, 1027-1034.	2.0	12
83	The n-3 long-chain PUFAs modulate the impact of the GSK3 $\beta$ Pro446Leu polymorphism on triglycerides in adolescents. <i>Journal of Lipid Research</i> , 2015, 56, 1774-1780.	4.2	12
84	Associations between REV-ERB $\alpha$ , sleep duration and body mass index in European adolescents. <i>Sleep Medicine</i> , 2018, 46, 56-60.	1.6	12
85	The <i>APOA4</i> Thr <sup>347</sup> Ser <sup>347</sup> Polymorphism Is Not a Major Risk Factor of Obesity. <i>Obesity</i> , 2005, 13, 2132-2138.	4.0	11
86	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, 129-132.	1.1	11
87	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, 252-257.	4.7	11
88	Body size at birth modifies the effect of fat mass and obesity associated ( <i>FTO</i> ) 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, 1498-1504.	2.3	11
89	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, 3841.	4.1	11
90	The relationship between neighbourhood walkability and cardiovascular risk factors in northern France. <i>Science of the Total Environment</i> , 2021, 772, 144877.	8.0	11

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91	Correspondence. Atherosclerosis, 1999, 147, 415-416.	0.8	10
92	Intake and dietary sources of haem and non-haem iron in Flemish preschoolers. European Journal of Clinical Nutrition, 2012, 66, 806-812.	2.9	10
93	Association between <i>UCP1</i> , <i>UCP2</i> , and <i>UCP3</i> gene polymorphisms with markers of adiposity in European adolescents: The HELENA study. Pediatric Obesity, 2019, 14, e12504.	2.8	10
94	Common polymorphisms in six genes of the methyl group metabolism pathway and obesity in European adolescents. Pediatric Obesity, 2011, 6, e336-e344.	3.2	9
95	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. European Journal of Epidemiology, 2020, 35, 685-697.	5.7	9
96	Is the adiposity-associated <i>FTO</i> gene variant related to all-cause mortality independent of adiposity? Meta-analysis of data from 169,551 Caucasian adults. Obesity Reviews, 2015, 16, 327-340.	6.5	8
97	PCSK9 post-transcriptional regulation: Role of a 3'UTR microRNA-binding site variant in linkage disequilibrium with c.1420G. Atherosclerosis, 2020, 314, 63-70.	0.8	7
98	Triglyceride-mediated pathways and coronary heart disease. Lancet, The, 2010, 376, 956-957.	13.7	6
99	Hypomethylation of the promoter of the catalytic subunit of protein phosphatase 2A in response to hyperglycemia. Physiological Reports, 2014, 2, e12076.	1.7	6
100	Physical Activity Modifies the Associations between Genetic Variants and Blood Pressure in European Adolescents. Journal of Pediatrics, 2014, 165, 1046-1049.e2.	1.8	6
101	Effects of established blood pressure loci on blood pressure values and hypertension risk in an Algerian population sample. Journal of Human Hypertension, 2015, 29, 296-302.	2.2	6
102	Identification of a functional FADS1 3'UTR variant associated with erythrocyte n-6 polyunsaturated fatty acids levels. Journal of Clinical Lipidology, 2018, 12, 1280-1289.	1.5	6
103	Associations of common SNPs in the SORT1, GCKR, LPL, APOA1, CETP, LDLR, APOE genes with lipid trait levels in an Algerian population sample. International Journal of Clinical and Experimental Pathology, 2015, 8, 7358-63.	0.5	6
104	Study of the genetic variability of ZAC1 (PLAGL1) in French population-based samples. Journal of Hypertension, 2009, 27, 314-321.	0.5	5
105	Combined effect of established BMI loci on obesity-related traits in an Algerian population sample. BMC Genetics, 2014, 15, 128.	2.7	5
106	Examination of the brain natriuretic peptide rs198389 single-nucleotide polymorphism on type 2 diabetes mellitus and related phenotypes in an Algerian population. Gene, 2015, 567, 159-163.	2.2	5
107	Comparison of the rates of stroke and acute coronary events in northern France. European Journal of Preventive Cardiology, 2018, 25, 1534-1542.	1.8	5
108	Association between lipoprotein lipase gene polymorphisms and cardiovascular disease risk factors in European adolescents: The Healthy Lifestyle in Europe by Nutrition in Adolescence study. Pediatric Diabetes, 2020, 21, 747-757.	2.9	5

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109	Associations of early life and sociodemographic factors with menarcheal age in European adolescents. <i>European Journal of Pediatrics</i> , 2015, 174, 271-278.	2.7	4
110	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.	3.3	4
111	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	3
112	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, 227-231.	2.3	3
113	Identification of several eating habits that mediate the association between eating behaviors and the risk of obesity. <i>Obesity Science and Practice</i> , 0, , .	1.9	3
114	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.	2.5	3
115	Interplay of physical activity and genetic variants of the endothelial lipase on cardiovascular disease risk factors. <i>Pediatric Research</i> , 2022, 91, 929-936.	2.3	2
116	Trends of in-hospital and out-of-hospital coronary heart disease mortality in French registries during the period 2000 to 2016. <i>Annals of Epidemiology</i> , 2022, 69, 34-40.	1.9	2
117	Role of Lipid Binding Proteins in Disease. , 0, , 397-400.		0