

Rozenn N Lemaitre

List of Publications by Year in descending order

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111
papers

7,885
citations

61984

43
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56724

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111
docs citations

111
times ranked

12620
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , 2018, 50, 1225-1233.	21.4	552
2	nâ~3 Polyunsaturated fatty acids, fatal ischemic heart disease, and nonfatal myocardial infarction in older adults: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 319-325.	4.7	350
3	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
4	Ï‰-3 Polyunsaturated Fatty Acid Biomarkers and Coronary Heart Disease. <i>JAMA Internal Medicine</i> , 2016, 176, 1155.	5.1	326
5	Genetic Loci Associated with Plasma Phospholipid n-3 Fatty Acids: A Meta-Analysis of Genome-Wide Association Studies from the CHARGE Consortium. <i>PLoS Genetics</i> , 2011, 7, e1002193.	3.5	324
6	Family History as a Risk Factor for Primary Cardiac Arrest. <i>Circulation</i> , 1998, 97, 155-160.	1.6	306
7	Plasma Phospholipid Long-Chain Ï‰-3 Fatty Acids and Total and Cause-Specific Mortality in Older Adults. <i>Annals of Internal Medicine</i> , 2013, 158, 515.	3.9	239
8	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. <i>Molecular Psychiatry</i> , 2015, 20, 647-656.	7.9	235
9	Omega-6 fatty acid biomarkers and incident type 2 diabetes: pooled analysis of individual-level data for 39â€740 adults from 20 prospective cohort studies. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 965-974.	11.4	213
10	<i>KLB</i> is associated with alcohol drinking, and its gene product Î²-Klotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14372-14377.	7.1	208
11	Cell Membrane <i>Trans</i>-Fatty Acids and the Risk of Primary Cardiac Arrest. <i>Circulation</i> , 2002, 105, 697-701.	1.6	199
12	Biomarkers of Dietary Omega-6 Fatty Acids and Incident Cardiovascular Disease and Mortality. <i>Circulation</i> , 2019, 139, 2422-2436.	1.6	199
13	Diuretic Therapy, the Î±-Adducin Gene Variant, and the Risk of Myocardial Infarction or Stroke in Persons With Treated Hypertension. <i>JAMA - Journal of the American Medical Association</i> , 2002, 287, 1680.	7.4	189
14	Genome-Wide Association Study of Plasma N6 Polyunsaturated Fatty Acids Within the Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 321-331.	5.1	164
15	Plasma Phospholipid <i>Trans</i> Fatty Acids, Fatal Ischemic Heart Disease, and Sudden Cardiac Death in Older Adults. <i>Circulation</i> , 2006, 114, 209-215.	1.6	163
16	Fish Consumption and Stroke Risk in Elderly Individuals. <i>Archives of Internal Medicine</i> , 2005, 165, 200.	3.8	159
17	Circulating Omega-6 Polyunsaturated Fatty Acids and Total and Cause-Specific Mortality. <i>Circulation</i> , 2014, 130, 1245-1253.	1.6	158
18	Fatty acid biomarkers of dairy fat consumption and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. <i>PLoS Medicine</i> , 2018, 15, e1002670.	8.4	143

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19	Prospective association of fatty acids in the de novo lipogenesis pathway with risk of type 2 diabetes: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 153-163.	4.7	139
20	Contribution of Major Lifestyle Risk Factors for Incident Heart Failure in Older Adults. <i>JACC: Heart Failure</i> , 2015, 3, 520-528.	4.1	134
21	Blood n-3 fatty acid levels and total and cause-specific mortality from 17 prospective studies. <i>Nature Communications</i> , 2021, 12, 2329.	12.8	132
22	Circulating Sphingolipids, Insulin, HOMA-IR, and HOMA-B: The Strong Heart Family Study. <i>Diabetes</i> , 2018, 67, 1663-1672.	0.6	120
23	Plasma phospholipid very-long-chain saturated fatty acids and incident diabetes in older adults: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1047-1054.	4.7	97
24	Plasma Ceramides and Sphingomyelins in Relation to Heart Failure Risk. <i>Circulation: Heart Failure</i> , 2019, 12, e005708.	3.9	90
25	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	3.4	85
26	Gene \times dietary pattern interactions in obesity: analysis of up to 68 317 adults of European ancestry. <i>Human Molecular Genetics</i> , 2015, 24, 4728-4738.	2.9	84
27	Therapy With Hydroxymethylglutaryl Coenzyme A Reductase Inhibitors (Statins) and Associated Risk of Incident Cardiovascular Events in Older Adults. <i>Archives of Internal Medicine</i> , 2002, 162, 1395.	3.8	79
28	Interactions Between the Dietary Polyunsaturated Fatty Acid Ratio and Genetic Factors Determine Susceptibility to Pediatric Crohn's Disease. <i>Gastroenterology</i> , 2014, 146, 929-931.e3.	1.3	79
29	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons. <i>JAMA Psychiatry</i> , 2018, 75, 949.	11.0	78
30	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. <i>Nature Human Behaviour</i> , 2019, 3, 950-961.	12.0	75
31	Plasma Phospholipid Saturated Fatty Acids and Incident Atrial Fibrillation: The Cardiovascular Health Study. <i>Journal of the American Heart Association</i> , 2014, 3, e000889.	3.7	71
32	Sudden death and myocardial infarction in first degree relatives as predictors of primary cardiac arrest. <i>Atherosclerosis</i> , 2002, 162, 211-216.	0.8	70
33	Variation in eicosanoid genes, non-fatal myocardial infarction and ischemic stroke. <i>Atherosclerosis</i> , 2009, 204, e58-e63.	0.8	65
34	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64
35	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , 2019, 10, 2581.	12.8	62
36	A comprehensive evaluation of the genetic architecture of sudden cardiac arrest. <i>European Heart Journal</i> , 2018, 39, 3961-3969.	2.2	59

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37	Omega-3 Fatty Acids and Incident Ischemic Stroke and Its Atherothrombotic and Cardioembolic Subtypes in 3 US Cohorts. <i>Stroke</i> , 2017, 48, 2678-2685.	2.0	56
38	A genome-wide association study of n-3 and n-6 plasma fatty acids in a Singaporean Chinese population. <i>Genes and Nutrition</i> , 2015, 10, 53.	2.5	53
39	Hormone Replacement Therapy and Associated Risk of Stroke in Postmenopausal Women. <i>Archives of Internal Medicine</i> , 2002, 162, 1954.	3.8	51
40	Common variation in cytochrome P450 epoxygenase genes and the risk of incident nonfatal myocardial infarction and ischemic stroke. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 535-543.	1.5	51
41	n-3 Fatty Acid Biomarkers and Incident Type 2 Diabetes: An Individual Participant-Level Pooling Project of 20 Prospective Cohort Studies. <i>Diabetes Care</i> , 2021, 44, 1133-1142.	8.6	50
42	Genetic loci associated with circulating phospholipid trans fatty acids: a meta-analysis of genome-wide association studies from the CHARGE Consortium. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 398-406.	4.7	49
43	Circulating sphingolipids, fasting glucose, and impaired fasting glucose: The Strong Heart Family Study. <i>EBioMedicine</i> , 2019, 41, 44-49.	6.1	48
44	Serial circulating omega 3 polyunsaturated fatty acids and healthy ageing among older adults in the Cardiovascular Health Study: prospective cohort study. <i>BMJ: British Medical Journal</i> , 2018, 363, k4067.	2.3	47
45	Association of dietary folate and vitamin B-12 intake with genome-wide DNA methylation in blood: a large-scale epigenome-wide association analysis in 5841 individuals. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 437-450.	4.7	46
46	Endogenous red blood cell membrane fatty acids and sudden cardiac arrest. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 1029-1034.	3.4	44
47	Regulation of CYP2J2 and EET Levels in Cardiac Disease and Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1916.	4.1	44
48	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. <i>Molecular Psychiatry</i> , 2019, 24, 1920-1932.	7.9	44
49	Plasma Phospholipid <i>Trans</i> Fatty Acids Levels, Cardiovascular Diseases, and Total Mortality: The Cardiovascular Health Study. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	43
50	Admission respiratory status predicts mortality in COVID-19. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 569-572.	3.4	42
51	Association of Birth Weight With Type 2 Diabetes and Glycemic Traits. <i>JAMA Network Open</i> , 2019, 2, e1910915.	5.9	41
52	Longitudinal Plasma Measures of Trimethylamine N-oxide and Risk of Atherosclerotic Cardiovascular Disease Events in Community-Based Older Adults. <i>Journal of the American Heart Association</i> , 2021, 10, e020646.	3.7	39
53	Genetic loci associated with circulating levels of very long-chain saturated fatty acids. <i>Journal of Lipid Research</i> , 2015, 56, 176-184.	4.2	38
54	Circulating and Dietary <i>Trans</i> Fatty Acids and Incident Type 2 Diabetes in Older Adults: The Cardiovascular Health Study. <i>Diabetes Care</i> , 2015, 38, 1099-1107.	8.6	38

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55	Serial measures of circulating biomarkers of dairy fat and total and cause-specific mortality in older adults: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 476-484.	4.7	38
56	Plasma Ceramide Species Are Associated with Diabetes Risk in Participants of the Strong Heart Study. <i>Journal of Nutrition</i> , 2020, 150, 1214-1222.	2.9	38
57	Fatty acids in the de novo lipogenesis pathway and incidence of type 2 diabetes: A pooled analysis of prospective cohort studies. <i>PLoS Medicine</i> , 2020, 17, e1003102.	8.4	38
58	Inhaled beta-2 adrenergic receptor agonists and primary cardiac arrest. <i>American Journal of Medicine</i> , 2002, 113, 711-716.	1.5	37
59	Dietary fatty acids modulate associations between genetic variants and circulating fatty acids in plasma and erythrocyte membranes: Meta-analysis of nine studies in the CHARGE consortium. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1373-1383.	3.3	37
60	Familial aggregation of red blood cell membrane fatty acid composition: the Kibbutzim Family Study. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 662-668.	3.4	36
61	Å1- and Å2-Adrenergic Receptor Gene Variation, Å-Blocker Use and Risk of Myocardial Infarction and Stroke. <i>American Journal of Hypertension</i> , 2008, 21, 290-296.	2.0	35
62	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. <i>Clinical Chemistry</i> , 2018, 64, 183-191.	3.2	34
63	Genome-wide association study of breakfast skipping links clock regulation with food timing. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 473-484.	4.7	34
64	Sugar-sweetened beverage intake associations with fasting glucose and insulin concentrations are not modified by selected genetic variants in a ChREBP-FGF21 pathway: a meta-analysis. <i>Diabetologia</i> , 2018, 61, 317-330.	6.3	32
65	Red blood cell membrane Å-linolenic acid and the risk of sudden cardiac arrest. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 534-540.	3.4	31
66	Plasma Ceramides and Sphingomyelins in Relation to Atrial Fibrillation Risk: The Cardiovascular Health Study. <i>Journal of the American Heart Association</i> , 2020, 9, e012853.	3.7	31
67	Trans-fatty acids and sudden cardiac death. <i>Atherosclerosis Supplements</i> , 2006, 7, 13-15.	1.2	29
68	Erythrocyte very long-chain saturated fatty Acids associated with lower risk of incident sudden cardiac arrest. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 149-153.	2.2	29
69	Association of Trimethylamine-N-Oxide and Related Metabolites in Plasma and Incident Type 2 Diabetes. <i>JAMA Network Open</i> , 2021, 4, e2122844.	5.9	29
70	Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. <i>BMJ: British Medical Journal</i> , 2019, 366, l4292.	2.3	28
71	Enzymatic and free radical formation of cis- and trans- epoxyeicosatrienoic acids in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2017, 112, 131-140.	2.9	26
72	Very long-chain saturated fatty acids and diabetes and cardiovascular disease. <i>Current Opinion in Lipidology</i> , 2022, 33, 76-82.	2.7	26

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73	Esterified Estrogen and Conjugated Equine Estrogen and the Risk of Incident Myocardial Infarction and Stroke. <i>Archives of Internal Medicine</i> , 2006, 166, 399.	3.8	24
74	Interaction of methylation-related genetic variants with circulating fatty acids on plasma lipids: a meta-analysis of 7 studies and methylation analysis of 3 studies in the Cohorts for Heart and Aging Research in Genomic Epidemiology consortium. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 567-578.	4.7	24
75	Rare coding variants in 35 genes associate with circulating lipid levels—A multi-ancestry analysis of 170,000 exomes. <i>American Journal of Human Genetics</i> , 2022, 109, 81-96.	6.2	24
76	Circulating and dietary ω -3 linolenic acid and incidence of congestive heart failure in older adults: the Cardiovascular Health Study. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 269-274.	4.7	22
77	Circulating Ceramides and Sphingomyelins and Risk of Mortality: The Cardiovascular Health Study. <i>Clinical Chemistry</i> , 2021, 67, 1650-1659.	3.2	21
78	Plasma ceramides containing saturated fatty acids are associated with risk of type 2 diabetes. <i>Journal of Lipid Research</i> , 2021, 62, 100119.	4.2	19
79	Discovery and fine-mapping of loci associated with MUFAs through trans-ethnic meta-analysis in Chinese and European populations. <i>Journal of Lipid Research</i> , 2017, 58, 974-981.	4.2	18
80	Genome-wide association meta-analysis of fish and EPA+DHA consumption in 17 US and European cohorts. <i>PLoS ONE</i> , 2017, 12, e0186456.	2.5	18
81	CYP2J2 Expression in Adult Ventricular Myocytes Protects Against Reactive Oxygen Species Toxicity. <i>Drug Metabolism and Disposition</i> , 2018, 46, 380-386.	3.3	18
82	CYP2J2 Modulates Diverse Transcriptional Programs in Adult Human Cardiomyocytes. <i>Scientific Reports</i> , 2020, 10, 5329.	3.3	17
83	Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices. <i>Nature Communications</i> , 2021, 12, 2182.	12.8	17
84	Common variation in fatty acid metabolic genes and risk of incident sudden cardiac arrest. <i>Heart Rhythm</i> , 2014, 11, 471-477.	0.7	16
85	Common Variation in Fatty Acid Genes and Resuscitation From Sudden Cardiac Arrest. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 422-429.	5.1	14
86	Genome-wide association meta-analysis of circulating odd-numbered chain saturated fatty acids: Results from the CHARGE Consortium. <i>PLoS ONE</i> , 2018, 13, e0196951.	2.5	14
87	Medical facilities in the neighborhood and incidence of sudden cardiac arrest. <i>Resuscitation</i> , 2018, 130, 118-123.	3.0	12
88	Potential Interplay between Dietary Saturated Fats and Genetic Variants of the NLRP3 Inflammasome to Modulate Insulin Resistance and Diabetes Risk: Insights from a Meta-analysis of 19,005 Individuals. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900226.	3.3	12
89	Role of Rare and Low-Frequency Variants in Gene-Alcohol Interactions on Plasma Lipid Levels. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002772.	3.6	11
90	Impact of Amerind ancestry and FADS genetic variation on omega-3 deficiency and cardiometabolic traits in Hispanic populations. <i>Communications Biology</i> , 2021, 4, 918.	4.4	11

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91	Meta-analysis of genome-wide association studies identifies three novel loci for saturated fatty acids in East Asians. <i>European Journal of Nutrition</i> , 2017, 56, 1477-1484.	3.9	10
92	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700347.	3.3	9
93	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.	5.7	9
94	A sensitive and improved throughput UPLC-MS/MS quantitation method of total cytochrome P450 mediated arachidonic acid metabolites that can separate regio-isomers and cis/trans-EETs from human plasma. <i>Chemistry and Physics of Lipids</i> , 2018, 216, 162-170.	3.2	8
95	Full-Fat Dairy Food Intake is Associated with a Lower Risk of Incident Diabetes Among American Indians with Low Total Dairy Food Intake. <i>Journal of Nutrition</i> , 2019, 149, 1238-1244.	2.9	8
96	Sugar-Sweetened Beverage Consumption May Modify Associations Between Genetic Variants in the CHREBP (Carbohydrate Responsive Element Binding Protein) Locus and HDL-C (High-Density Lipoprotein) Tj ETQq0,0,0 rgBT /Overlock 1 e003288.	3.6	8
97	<i>Trans</i> Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis of 12 Prospective Cohort Studies in the Fatty Acids and Outcomes Research Consortium (FORCE). <i>Diabetes Care</i> , 2022, 45, 854-863.	8.6	8
98	Acculturation and Plasma Fatty Acid Concentrations in Hispanic and Chinese-American Adults: The Multi-Ethnic Study of Atherosclerosis. <i>PLoS ONE</i> , 2016, 11, e0149267.	2.5	7
99	Serum Individual Nonesterified Fatty Acids and Risk of Heart Failure in Older Adults. <i>Cardiology</i> , 2021, 146, 351-358.	1.4	7
100	Neighborhood food environment, dietary fatty acid biomarkers, and cardiac arrest risk. <i>Health and Place</i> , 2018, 53, 128-134.	3.3	6
101	Higher Epoxyeicosatrienoic Acids in Cardiomyocytes-Specific CYP2J2 Transgenic Mice Are Associated with Improved Myocardial Remodeling. <i>Biomedicines</i> , 2020, 8, 144.	3.2	6
102	The impact of fatty acids biosynthesis on the risk of cardiovascular diseases in Europeans and East Asians: a Mendelian randomization study. <i>Human Molecular Genetics</i> , 2022, 31, 4034-4054.	2.9	5
103	Response to Letters Regarding Article, "Circulating Omega-6 Polyunsaturated Fatty Acids and Total and Cause-Specific Mortality: The Cardiovascular Health Study" Circulation, 2015, 132, e25-6.	1.6	4
104	Plasma epoxyeicosatrienoic acids and dihydroxyeicosatrienoic acids, insulin, glucose and risk of diabetes: The strong heart study. <i>EBioMedicine</i> , 2021, 66, 103279.	6.1	4
105	Circulating<i>n</i>-3 fatty acids and<i>trans</i>-fatty acids,<i>PLA2G2A</i>gene variation and sudden cardiac arrest. <i>Journal of Nutritional Science</i> , 2016, 5, e12.	1.9	3
106	Plasma Fatty Acid Binding Protein 4 and Risk of Sudden Cardiac Death in Older Adults. <i>Cardiology Research and Practice</i> , 2013, 2013, 1-7.	1.1	2
107	Long chain n-3 polyunsaturated fatty acids are not associated with circulating T-helper type 1 cells: Results from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 125, 37-42.	2.2	2
108	Common Genetic Variation in Relation to Brachial Vascular Dimensions and Flow-Mediated Vasodilation. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002409.	3.6	2

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109	The Association of Antihypertensive Medication With Serum Creatinine Changes in Older Adults. American Journal of Hypertension, 1997, 10, 1368-1377.	2.0	1
110	PUFA ̳-3 and ̳-6 biomarkers and sleep: a pooled analysis of cohort studies on behalf of the Fatty Acids and Outcomes Research Consortium (FORCE). American Journal of Clinical Nutrition, 2022, 115, 864-876.	4.7	1
111	Finalists, The Jeremiah and Rose Stamler Research Award for New Investigators Fatty fish consumption and ischemic heart disease mortality in older adults: The Cardiovascular Health Study. Circulation, 2001, 103, 1351-1351.	1.6	0