

Luigi Bouchard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6153021/publications.pdf>

Version: 2024-02-01

84
papers

3,857
citations

136740

32
h-index

133063

59
g-index

85
all docs

85
docs citations

85
times ranked

6098
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. JAMA - Journal of the American Medical Association, 2016, 315, 1129.	3.8	220
2	Leptin Gene Epigenetic Adaptation to Impaired Glucose Metabolism During Pregnancy. Diabetes Care, 2010, 33, 2436-2441.	4.3	218
3	Gestational diabetes mellitus epigenetically affects genes predominantly involved in metabolic diseases. Epigenetics, 2013, 8, 935-943.	1.3	217
4	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
5	Differential epigenomic and transcriptomic responses in subcutaneous adipose tissue between low and high responders to caloric restriction. American Journal of Clinical Nutrition, 2010, 91, 309-320.	2.2	193
6	Placental Adiponectin Gene DNA Methylation Levels Are Associated With Mothers' Blood Glucose Concentration. Diabetes, 2012, 61, 1272-1280.	0.3	188
7	Altered DNA Methylation of Long Noncoding RNA <i>H19</i> in Calcific Aortic Valve Disease Promotes Mineralization by Silencing <i>NOTCH1</i> . Circulation, 2016, 134, 1848-1862.	1.6	182
8	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. Nature Communications, 2019, 10, 1893.	5.8	140
9	IGF2 DNA methylation is a modulator of newborn's fetal growth and development. Epigenetics, 2012, 7, 1125-1132.	1.3	131
10	<i>ABCA1</i> gene promoter DNA methylation is associated with HDL particle profile and coronary artery disease in familial hypercholesterolemia. Epigenetics, 2012, 7, 464-472.	1.3	114
11	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. International Journal of Epidemiology, 2018, 47, 22-23u.	0.9	105
12	Epigenetic programming of obesity and diabetes by in utero exposure to gestational diabetes mellitus. Nutrition Reviews, 2013, 71, S88-S94.	2.6	101
13	Leptin and adiponectin DNA methylation levels in adipose tissues and blood cells are associated with BMI, waist girth and LDL-cholesterol levels in severely obese men and women. BMC Medical Genetics, 2015, 16, 29.	2.1	96
14	Adaptations of placental and cord blood <i>ABCA1</i> DNA methylation profile to maternal metabolic status. Epigenetics, 2013, 8, 1289-1302.	1.3	86
15	Acetylsalicylic acid, aging and coronary artery disease are associated with <i>ABCA1</i> DNA methylation in men. Clinical Epigenetics, 2014, 6, 14.	1.8	67
16	Genetics of Glucose regulation in Gestation and Growth (Gen3G): a prospective prebirth cohort of mother-child pairs in Sherbrooke, Canada. BMJ Open, 2016, 6, e010031.	0.8	67
17	<i>PPARGC1b</i> gene DNA methylation variations in human placenta mediate the link between maternal hyperglycemia and leptin levels in newborns. Clinical Epigenetics, 2016, 8, 72.	1.8	66
18	MicroRNAs in Pregnancy and Gestational Diabetes Mellitus: Emerging Role in Maternal Metabolic Regulation. Current Diabetes Reports, 2017, 17, 35.	1.7	58

#	ARTICLE	IF	CITATIONS
19	PACE4 Undergoes an Oncogenic Alternative Splicing Switch in Cancer. <i>Cancer Research</i> , 2017, 77, 6863-6879.	0.4	58
20	ZFP36: a Promising Candidate Gene for Obesity-Related Metabolic Complications Identified by Converging Genomics. <i>Obesity Surgery</i> , 2007, 17, 372-382.	1.1	57
21	Epipolymorphisms within lipoprotein genes contribute independently to plasma lipid levels in familial hypercholesterolemia. <i>Epigenetics</i> , 2014, 9, 718-729.	1.3	57
22	<i>DPP4</i> Gene DNA Methylation in the Omentum is Associated With Its Gene Expression and Plasma Lipid Profile in Severe Obesity. <i>Obesity</i> , 2011, 19, 388-395.	1.5	52
23	Comprehensive genetic analysis of the dipeptidyl peptidase-4 gene and cardiovascular disease risk factors in obese individuals. <i>Acta Diabetologica</i> , 2009, 46, 13-21.	1.2	49
24	Multi-ancestry genome-wide association study of gestational diabetes mellitus highlights genetic links with type 2 diabetes. <i>Human Molecular Genetics</i> , 2022, 31, 3377-3391.	1.4	47
25	Epigenome-wide analysis in familial hypercholesterolemia identified new loci associated with high-density lipoprotein cholesterol concentration. <i>Epigenomics</i> , 2012, 4, 623-639.	1.0	44
26	Placental DNA Methylation Adaptation to Maternal Glycemic Response in Pregnancy. <i>Diabetes</i> , 2018, 67, 1673-1683.	0.3	42
27	<i>ADRB3</i> gene promoter DNA methylation in blood and visceral adipose tissue is associated with metabolic disturbances in men. <i>Epigenomics</i> , 2014, 6, 33-43.	1.0	41
28	Allele length of the DMPK CTG repeat is a predictor of progressive myotonic dystrophy type 1 phenotypes. <i>Human Molecular Genetics</i> , 2019, 28, 2245-2254.	1.4	41
29	Placental DNA methylation signatures of maternal smoking during pregnancy and potential impacts on fetal growth. <i>Nature Communications</i> , 2021, 12, 5095.	5.8	41
30	Fetal epigenetic programming of adipokines. <i>Adipocyte</i> , 2013, 2, 41-46.	1.3	40
31	Placental lipoprotein lipase DNA methylation alterations are associated with gestational diabetes and body composition at 5 years of age. <i>Epigenetics</i> , 2017, 12, 616-625.	1.3	38
32	Epigenetic dysregulation of the IGF system in placenta of newborns exposed to maternal impaired glucose tolerance. <i>Epigenomics</i> , 2014, 6, 193-207.	1.0	37
33	microRNAs in lipoprotein and lipid metabolism: from biological function to clinical application. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 667-686.	1.4	36
34	Maternal lipid profile differs by gestational diabetes physiologic subtype. <i>Metabolism: Clinical and Experimental</i> , 2019, 91, 39-42.	1.5	35
35	Interplay of Placental DNA Methylation and Maternal Insulin Sensitivity in Pregnancy. <i>Diabetes</i> , 2020, 69, 484-492.	0.3	34
36	Association of <i>OSBPL11</i> Gene Polymorphisms With Cardiovascular Disease Risk Factors in Obesity. <i>Obesity</i> , 2009, 17, 1466-1472.	1.5	31

#	ARTICLE	IF	CITATIONS
37	Cross-tissue comparisons of leptin and adiponectin. <i>Adipocyte</i> , 2014, 3, 132-140.	1.3	30
38	Genetic Determinants of Glycemic Traits and the Risk of Gestational Diabetes Mellitus. <i>Diabetes</i> , 2018, 67, 2703-2709.	0.3	30
39	Variations in HDL-carried miR-223 and miR-135a concentrations after consumption of dietary trans fat are associated with changes in blood lipid and inflammatory markers in healthy men - an exploratory study. <i>Epigenetics</i> , 2016, 11, 438-448.	1.3	29
40	Poor Adherence to Dietary Guidelines Among French-Speaking Adults in the Province of Quebec, Canada: The PREDISE Study. <i>Canadian Journal of Cardiology</i> , 2018, 34, 1665-1673.	0.8	29
41	DNA methylation of a PLPP3 MIR transposon-based enhancer promotes an osteogenic programme in calcific aortic valve disease. <i>Cardiovascular Research</i> , 2018, 114, 1525-1535.	1.8	27
42	Layered genetic control of DNA methylation and gene expression: a locus of multiple sclerosis in healthy individuals. <i>Human Molecular Genetics</i> , 2015, 24, 5733-5745.	1.4	26
43	Epigenetic and genetic variations at the <i>TNNT1</i> gene locus are associated with HDL-C levels and coronary artery disease. <i>Epigenomics</i> , 2016, 8, 359-371.	1.0	26
44	Prenatal determinants of childhood obesity: a review of risk factors. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 147-154.	0.7	26
45	<i>LRP1B</i> , <i>BRD2</i> and <i>CACNA1D</i> : new candidate genes in fetal metabolic programming of newborns exposed to maternal hyperglycemia. <i>Epigenomics</i> , 2015, 7, 1111-1122.	1.0	24
46	Epigenetics and Fetal Metabolic Programming: A Call for Integrated Research on Larger Cohorts. <i>Diabetes</i> , 2013, 62, 1026-1028.	0.3	22
47	funtooNorm: an R package for normalization of DNA methylation data when there are multiple cell or tissue types. <i>Bioinformatics</i> , 2016, 32, 593-595.	1.8	22
48	Contribution of Genetic and Metabolic Syndrome to Omental Adipose Tissue PAI-1 Gene mRNA and Plasma Levels in Obesity. <i>Obesity Surgery</i> , 2010, 20, 492-499.	1.1	21
49	Changes in high-density lipoprotein-carried miRNA contribution to the plasmatic pool after consumption of dietarytransfat in healthy men. <i>Epigenomics</i> , 2017, 9, 669-688.	1.0	21
50	Prenatal exposure to cigarette smoke interacts with <i>OPRM1</i> to modulate dietary preference for fat. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 38-45.	1.4	20
51	Timing of Excessive Weight Gain During Pregnancy Modulates Newborn Anthropometry. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2016, 38, 108-117.	0.3	20
52	DMPK gene DNA methylation levels are associated with muscular and respiratory profiles in DM1. <i>Neurology: Genetics</i> , 2019, 5, e338.	0.9	19
53	Mediation Analysis Supports a Causal Relationship between Maternal Hyperglycemia and Placental DNA Methylation Variations at the Leptin Gene Locus and Cord Blood Leptin Levels. <i>International Journal of Molecular Sciences</i> , 2020, 21, 329.	1.8	19
54	Maternal Glycemic Dysregulation During Pregnancy and Neonatal Blood DNA Methylation: Meta-analyses of Epigenome-Wide Association Studies. <i>Diabetes Care</i> , 2022, 45, 614-623.	4.3	19

#	ARTICLE	IF	CITATIONS
55	A study in familial hypercholesterolemia suggests reduced methylomic plasticity in men with coronary artery disease. <i>Epigenomics</i> , 2015, 7, 17-34.	1.0	17
56	Human plasma pregnancy-associated miRNAs and their temporal variation within the first trimester of pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2022, 20, 14.	1.4	17
57	Early Infant Nutrition and Metabolic Programming: What Are the Potential Molecular Mechanisms?. <i>Current Nutrition Reports</i> , 2014, 3, 281-288.	2.1	16
58	DNA methylation signature of interleukin 1 receptor type II in asthma. <i>Clinical Epigenetics</i> , 2015, 7, 80.	1.8	12
59	DNA methylation at the <i>DMPK</i> gene locus is associated with cognitive functions in myotonic dystrophy type 1. <i>Epigenomics</i> , 2020, 12, 2051-2064.	1.0	11
60	Osteoclast signaling-targeting miR-146a-3p and miR-155-5p are downregulated in Paget's disease of bone. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165852.	1.8	11
61	Genetic determinants of adiponectin regulation revealed by pregnancy. <i>Obesity</i> , 2017, 25, 935-944.	1.5	10
62	Individuals with self-determined motivation for eating have better overall diet quality: Results from the PREDISE study. <i>Appetite</i> , 2021, 165, 105426.	1.8	10
63	Placental Epigenome-Wide Association Study Identified Loci Associated with Childhood Adiposity at 3 Years of Age. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7201.	1.8	9
64	Study protocol for the Sino-Canadian Healthy Life Trajectories Initiative (SCHeLTI): a multicentre, cluster-randomised, parallel-group, superiority trial of a multifaceted community-family-mother-child intervention to prevent childhood overweight and obesity. <i>BMJ Open</i> , 2021, 11, e045192.	0.8	9
65	An analytic approach for interpretable predictive models in high-dimensional data in the presence of interactions with exposures. <i>Genetic Epidemiology</i> , 2018, 42, 233-249.	0.6	8
66	Human high-density lipoprotein microtranscriptome is unique and suggests an extended role in lipid metabolism. <i>Epigenomics</i> , 2019, 11, 917-934.	1.0	8
67	DNA methylation at <i>LRP1</i> gene locus mediates the association between maternal total cholesterol changes in pregnancy and cord blood leptin levels. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 369-378.	0.7	8
68	First trimester plasma microRNAs levels predict Matsuda Index-estimated insulin sensitivity between 24th and 29th week of pregnancy. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002703.	1.2	6
69	Epigenome-wide association study of maternal hemoglobin A1c in pregnancy and cord blood DNA methylation. <i>Epigenomics</i> , 2021, 13, 203-218.	1.0	5
70	Detecting cord blood cell type-specific epigenetic associations with gestational diabetes mellitus and early childhood growth. <i>Clinical Epigenetics</i> , 2021, 13, 131.	1.8	5
71	HDL-enriched miR-30a-5p is associated with HDL-cholesterol levels and glucose metabolism in healthy men and women. <i>Epigenomics</i> , 2021, 13, 985-994.	1.0	4
72	miR profile in pagetic osteoclasts: from large-scale sequencing to gene expression study. <i>Journal of Molecular Medicine</i> , 2021, 99, 1771-1781.	1.7	4

#	ARTICLE	IF	CITATIONS
73	The Genetic and Molecular Analyses of RAD51C and RAD51D Identifies Rare Variants Implicated in Hereditary Ovarian Cancer from a Genetically Unique Population. <i>Cancers</i> , 2022, 14, 2251.	1.7	4
74	Glycation of Fetal Hemoglobin Reflects Hyperglycemia Exposure In Utero. <i>Diabetes Care</i> , 2014, 37, 2830-2833.	4.3	3
75	Effect of gestational diabetes and insulin resistance on offspring's myocardial relaxation kinetics at three years of age. <i>PLoS ONE</i> , 2018, 13, e0207632.	1.1	3
76	Associations between an integrated component of maternal glycemic regulation in pregnancy and cord blood DNA methylation. <i>Epigenomics</i> , 2021, 13, 1459-1472.	1.0	3
77	Maternal Nutrition and Epigenetics in Early Life. <i>Current Nutrition Reports</i> , 2013, 2, 216-224.	2.1	1
78	Gut Microbiome Composition Is Associated with Blood Pressure in Mother-Child Pairs 5 Years After Birth. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa062_012.	0.1	1
79	Associations of maternal insulin resistance during pregnancy and offspring inflammation at birth and at 5 years of age: A prospective study in the Gen3G cohort. <i>Cytokine</i> , 2021, 146, 155636.	1.4	1
80	Family planning decisional needs assessment for recessive hereditary disorders: Insights from carrier couples and professionals. <i>Patient Education and Counseling</i> , 2022, 105, 2537-2545.	1.0	1
81	Visceral adipose tissue DNA methylation at dipeptidyl peptidase-4 gene locus is associated with gene expression and plasma lipid levels in severe obesity. <i>FASEB Journal</i> , 2010, 24, .	0.2	0
82	DUSP1 gene polymorphisms are associated with obesity-related metabolic complications and gene methylation levels in severely obese patients. <i>FASEB Journal</i> , 2013, 27, 226.1.	0.2	0
83	Abstract 16338: Dna Hypomethylation in Long Non-coding Rna Promoter During Calcific Aortic Valve Stenosis: Implication for the Notch Pathway. <i>Circulation</i> , 2015, 132, .	1.6	0
84	Time-course full profiling of circulating miRNAs in neurologically deceased organ donors: a proof of concept study to understand the onset of the cytokine storm. <i>Epigenetics</i> , 2022, 17, 1546-1561.	1.3	0