

William L Lowe Jr

List of Publications by Year in descending order

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66
papers

4,687
citations

134610

34
h-index

134545

62
g-index

68
all docs

68
docs citations

68
times ranked

8937
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal and Neonatal 3-epi-25-hydroxyvitamin D Concentration and Factors Influencing Their Concentrations. <i>Journal of the Endocrine Society</i> , 2022, 6, bvab170.	0.1	6
2	Path-level interpretation of Gaussian graphical models using the pair-path subscore. <i>BMC Bioinformatics</i> , 2022, 23, 12.	1.2	2
3	Pandemic-related barriers to the success of women in research: a framework for action. <i>Nature Medicine</i> , 2022, 28, 436-438.	15.2	35
4	Associations of glycemia and lipid levels in pregnancy with dyslipidemia 10â€“14 years later: The HAPO follow-up study. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109790.	1.1	3
5	Vitamin D Levels During Pregnancy Are Associated With Offspring Telomere Length: A Longitudinal Mother-Child Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3901-e3909.	1.8	1
6	Network Approaches to Integrate Analyses of Genetics and Metabolomics Data with Applications to Fetal Programming Studies. <i>Metabolites</i> , 2022, 12, 512.	1.3	1
7	Associations of gestational cardiovascular health with pregnancy outcomes: the Hyperglycemia and Adverse Pregnancy Outcome study. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 210.e1-210.e17.	0.7	23
8	Genetic Loci and Physiologic Pathways Involved in Gestational Diabetes Mellitus Implicated Through Clustering. <i>Diabetes</i> , 2021, 70, 268-281.	0.3	10
9	Hyperglycemia and Adverse Pregnancy Outcome Follow-Up Study: newborn anthropometrics and childhood glucose metabolism. <i>Diabetologia</i> , 2021, 64, 561-570.	2.9	11
10	Newborn Adiposity and Cord Blood C-Peptide as Mediators of the Maternal Metabolic Environment and Childhood Adiposity. <i>Diabetes Care</i> , 2021, 44, 1194-1202.	4.3	33
11	Association of glucose metabolism and blood pressure during pregnancy with subsequent maternal blood pressure. <i>Journal of Human Hypertension</i> , 2021, , .	1.0	2
12	Associations of Maternal Cardiovascular Health in Pregnancy With Offspring Cardiovascular Health in Early Adolescence. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 658.	3.8	62
13	Maternal Metabolites Associated With Gestational Diabetes Mellitus and a Postpartum Disorder of Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3283-3294.	1.8	15
14	Higher maternal adiposity reduces offspring birthweight if associated with a metabolically favourable profile. <i>Diabetologia</i> , 2021, 64, 2790-2802.	2.9	9
15	Bayesian estimation of genetic regulatory effects in high-throughput reporter assays. <i>Bioinformatics</i> , 2020, 36, 331-338.	1.8	0
16	Metabolomic and genetic associations with insulin resistance in pregnancy. <i>Diabetologia</i> , 2020, 63, 1783-1795.	2.9	21
17	Body Composition Measurements from Birth through 5 Years: Challenges, Gaps, and Existing & Emerging Technologiesâ€“A National Institutes of Health workshop. <i>Obesity Reviews</i> , 2020, 21, e13033.	3.1	51
18	The Joint Associations of Maternal BMI and Glycemia with Childhood Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2177-2188.	1.8	35

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19	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 2020, 5, 175.	0.9	2
20	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 2020, 5, 175.	0.9	1
21	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. Nature Communications, 2019, 10, 3927.	5.8	49
22	Cord Blood Metabolomics: Association With Newborn Anthropometrics and C-Peptide Across Ancestries. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4459-4472.	1.8	30
23	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. Nature Genetics, 2019, 51, 804-814.	9.4	402
24	Gestational Diabetes and Childhood Obesity—Reply. JAMA - Journal of the American Medical Association, 2019, 321, 708.	3.8	0
25	Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Glycemia and Childhood Glucose Metabolism. Diabetes Care, 2019, 42, 381-392.	4.3	169
26	Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Gestational Diabetes Mellitus and Childhood Glucose Metabolism. Diabetes Care, 2019, 42, 372-380.	4.3	313
27	Maternal glucose levels during pregnancy and childhood adiposity in the Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study. Diabetologia, 2019, 62, 598-610.	2.9	161
28	Maternal metabolites during pregnancy are associated with newborn outcomes and hyperinsulinaemia across ancestries. Diabetologia, 2019, 62, 473-484.	2.9	43
29	SAT-124 Hyperglycemia and Adverse Pregnancy Outcome Follow-Up Study (HAPO FUS): Newborn Anthropometrics and Childhood Glucose Metabolism. Journal of the Endocrine Society, 2019, 3, .	0.1	4
30	Fetal Genotype and Maternal Glucose Have Independent and Additive Effects on Birth Weight. Diabetes, 2018, 67, 1024-1029.	0.3	38
31	Genome-wide association study of offspring birth weight in 86,577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. Human Molecular Genetics, 2018, 27, 742-756.	1.4	156
32	Genetic Determinants of Glycemic Traits and the Risk of Gestational Diabetes Mellitus. Diabetes, 2018, 67, 2703-2709.	0.3	30
33	Association of Gestational Diabetes With Maternal Disorders of Glucose Metabolism and Childhood Adiposity. JAMA - Journal of the American Medical Association, 2018, 320, 1005.	3.8	362
34	Associations of maternal BMI and insulin resistance with the maternal metabolome and newborn outcomes. Diabetologia, 2017, 60, 518-530.	2.9	71
35	Mixture model normalization for non-targeted gas chromatography/mass spectrometry metabolomics data. BMC Bioinformatics, 2017, 18, 84.	1.2	37
36	Targeted Metabolomics Demonstrates Distinct and Overlapping Maternal Metabolites Associated With BMI, Glucose, and Insulin Sensitivity During Pregnancy Across Four Ancestry Groups. Diabetes Care, 2017, 40, 911-919.	4.3	38

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37	Genetic determinants of adiponectin regulation revealed by pregnancy. <i>Obesity</i> , 2017, 25, 935-944.	1.5	10
38	Transversions have larger regulatory effects than transitions. <i>BMC Genomics</i> , 2017, 18, 394.	1.2	83
39	Maternal BMI and Glycemia Impact the Fetal Metabolome. <i>Diabetes Care</i> , 2017, 40, 902-910.	4.3	74
40	Metabolic Networks and Metabolites Underlie Associations Between Maternal Glucose During Pregnancy and Newborn Size at Birth. <i>Diabetes</i> , 2016, 65, 2039-2050.	0.3	49
41	Genome-wide associations for birth weight and correlations with adult disease. <i>Nature</i> , 2016, 538, 248-252.	13.7	406
42	HKDC1 Is a Novel Hexokinase Involved in Whole-Body Glucose Use. <i>Endocrinology</i> , 2016, 157, 3452-3461.	1.4	58
43	Trans-ethnic Meta-analysis and Functional Annotation Illuminates the Genetic Architecture of Fasting Glucose and Insulin. <i>American Journal of Human Genetics</i> , 2016, 99, 56-75.	2.6	55
44	Genetics of Gestational Diabetes Mellitus and Maternal Metabolism. <i>Current Diabetes Reports</i> , 2016, 16, 15.	1.7	70
45	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1129.	3.8	220
46	Characterization of Large Structural Genetic Mosaicism in Human Autosomes. <i>American Journal of Human Genetics</i> , 2015, 96, 487-497.	2.6	101
47	Coordinated regulatory variation associated with gestational hyperglycaemia regulates expression of the novel hexokinase HKDC1. <i>Nature Communications</i> , 2015, 6, 6069.	5.8	83
48	New Insights Into Gestational Glucose Metabolism: Lessons Learned From 21st Century Approaches. <i>Diabetes</i> , 2015, 64, 327-334.	0.3	114
49	Massively parallel quantification of the regulatory effects of noncoding genetic variation in a human cohort. <i>Genome Research</i> , 2015, 25, 1206-1214.	2.4	100
50	Genomic approaches for understanding the genetics of complex disease. <i>Genome Research</i> , 2015, 25, 1432-1441.	2.4	75
51	The short-chain fatty acid receptor, FFA2, contributes to gestational glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E840-E851.	1.8	57
52	A novel common variant in DCST2 is associated with length in early life and height in adulthood. <i>Human Molecular Genetics</i> , 2015, 24, 1155-1168.	1.4	109
53	Genetic Risk Score for Prediction of Newborn Adiposity and Large-for-Gestational-Age Birth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2377-E2386.	1.8	19
54	Metabomxtr: an R package for mixture-model analysis of non-targeted metabolomics data. <i>Bioinformatics</i> , 2014, 30, 3287-3288.	1.8	21

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55	Meta-Analysis of Genome-Wide Association Studies in African Americans Provides Insights into the Genetic Architecture of Type 2 Diabetes. <i>PLoS Genetics</i> , 2014, 10, e1004517.	1.5	191
56	Metabolomics Reveals Broad-Scale Metabolic Perturbations in Hyperglycemic Mothers During Pregnancy. <i>Diabetes Care</i> , 2014, 37, 158-166.	4.3	103
57	Identification of <i>HKDC1</i> and <i>BACE2</i> as Genes Influencing Glycemic Traits During Pregnancy Through Genome-Wide Association Studies. <i>Diabetes</i> , 2013, 62, 3282-3291.	0.3	119
58	“Prediction Is Very Hard, Especially About the Future” New Biomarkers for Type 2 Diabetes?. <i>Diabetes</i> , 2013, 62, 1384-1385.	0.3	17
59	The chromosome 3q25 genomic region is associated with measures of adiposity in newborns in a multi-ethnic genome-wide association study. <i>Human Molecular Genetics</i> , 2013, 22, 3583-3596.	1.4	35
60	Accumulation of cadmium in insulin-producing β^2 cells. <i>Islets</i> , 2012, 4, 405-416.	0.9	93
61	The Role of Inflammatory Pathway Genetic Variation on Maternal Metabolic Phenotypes during Pregnancy. <i>PLoS ONE</i> , 2012, 7, e32958.	1.1	20
62	Hyperglycemia and Adverse Pregnancy Outcome (HAPO) Study: Common Genetic Variants in <i>GCK</i> and <i>TCF7L2</i> Are Associated With Fasting and Postchallenge Glucose Levels in Pregnancy and With the New Consensus Definition of Gestational Diabetes Mellitus From the International Association of Diabetes and Pregnancy Study Groups. <i>Diabetes</i> , 2010, 59, 2682-2689.	0.3	95
63	G Protein Coupled Receptors in Embryonic Stem Cells: A Role for Gs-Alpha Signaling. <i>PLoS ONE</i> , 2010, 5, e9105.	1.1	37
64	“The Matrix Unloaded” Implications for Cytokine Signaling in Islets?. <i>Endocrinology</i> , 2003, 144, 4262-4263.	1.4	4
65	Estrogen Stimulates Delayed Mitogen-Activated Protein Kinase Activity in Human Endothelial Cells via an Autocrine Loop That Involves Basic Fibroblast Growth Factor. <i>Circulation</i> , 1998, 98, 413-421.	1.6	43
66	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. <i>Wellcome Open Research</i> , 0, 5, 175.	0.9	0