

Laura J Rasmussen-Torvik

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

4,210
citations

172457

29
h-index

133252

59
g-index

95
all docs

95
docs citations

95
times ranked

9264
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. PLoS Medicine, 2017, 14, e1002383.	8.4	341
2	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
3	Prognostic Utility and Clinical Significance of Cardiac Mechanics in Heart Failure With Preserved Ejection Fraction. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	268
4	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. Nature Genetics, 2022, 54, 560-572.	21.4	250
5	Ideal Cardiovascular Health Is Inversely Associated With Incident Cancer. Circulation, 2013, 127, 1270-1275.	1.6	232
6	Meta-Analysis of Genome-Wide Association Studies in African Americans Provides Insights into the Genetic Architecture of Type 2 Diabetes. PLoS Genetics, 2014, 10, e1004517.	3.5	191
7	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	12.8	173
8	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. Nature Communications, 2017, 8, 14977.	12.8	169
9	Association of Bariatric Surgery Using Laparoscopic Banding, Roux-en-Y Gastric Bypass, or Laparoscopic Sleeve Gastrectomy vs Usual Care Obesity Management With All-Cause Mortality. JAMA - Journal of the American Medical Association, 2018, 319, 279.	7.4	167
10	Genome-wide physical activity interactions in adiposity • A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158
11	Association of Arrhythmia-Related Genetic Variants With Phenotypes Documented in Electronic Medical Records. JAMA - Journal of the American Medical Association, 2016, 315, 47.	7.4	148
12	Polygenic Type 2 Diabetes Prediction at the Limit of Common Variant Detection. Diabetes, 2014, 63, 2172-2182.	0.6	127
13	Research Directions in the Clinical Implementation of Pharmacogenomics: An Overview of US Programs and Projects. Clinical Pharmacology and Therapeutics, 2018, 103, 778-786.	4.7	110
14	Pleiotropic genes for metabolic syndrome and inflammation. Molecular Genetics and Metabolism, 2014, 112, 317-338.	1.1	107
15	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. American Journal of Human Genetics, 2019, 105, 588-605.	6.2	99
16	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. Nature Communications, 2021, 12, 24.	12.8	87
17	Genetic Variants Associated With Quantitative Glucose Homeostasis Traits Translate to Type 2 Diabetes in Mexican Americans: The GUARDIAN (Genetics Underlying Diabetes in Hispanics) Consortium. Diabetes, 2015, 64, 1853-1866.	0.6	77
18	<i>LPA</i> Variants Are Associated With Residual Cardiovascular Risk in Patients Receiving Statins. Circulation, 2018, 138, 1839-1849.	1.6	64

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19	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.	6.2	55
20	Association of a Fasting Glucose Genetic Risk Score With Subclinical Atherosclerosis. <i>Diabetes</i> , 2011, 60, 331-335.	0.6	46
21	Apolipoprotein L1 Variants and Blood Pressure Traits in African Americans. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1564-1574.	2.8	46
22	Seroprevalence and Correlates of SARS-CoV-2 Antibodies in Health Care Workers in Chicago. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofaa582.	0.9	46
23	Associations of body mass index and insulin resistance with leptin, adiponectin, and the leptin-to-adiponectin ratio across ethnic groups: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Annals of Epidemiology</i> , 2012, 22, 705-709.	1.9	45
24	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	45
25	A Robust e-Epidemiology Tool in Phenotyping Heart Failure with Differentiation for Preserved and Reduced Ejection Fraction: the Electronic Medical Records and Genomics (eMERGE) Network. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 475-483.	2.4	44
26	High Density GWAS for LDL Cholesterol in African Americans Using Electronic Medical Records Reveals a Strong Protective Variant in <i>APOE</i> . <i>Clinical and Translational Science</i> , 2012, 5, 394-399.	3.1	42
27	The National Patient-Centered Clinical Research Network (PCORnet) Bariatric Study Cohort: Rationale, Methods, and Baseline Characteristics. <i>JMIR Research Protocols</i> , 2017, 6, e222.	1.0	37
28	Genome-wide association study identifies novel loci for type 2 diabetes-attributed end-stage kidney disease in African Americans. <i>Human Genomics</i> , 2019, 13, 21.	2.9	32
29	Impact of repeated measures and sample selection on genome-wide association studies of fasting glucose. <i>Genetic Epidemiology</i> , 2010, 34, 665-673.	1.3	30
30	Fasting Glucose GWAS Candidate Region Analysis Across Ethnic Groups in the Multiethnic Study of Atherosclerosis (MESA). <i>Genetic Epidemiology</i> , 2012, 36, 384-391.	1.3	28
31	A phenome-wide association study to discover pleiotropic effects of PCSK9, APOB, and LDLR. <i>Npj Genomic Medicine</i> , 2019, 4, 3.	3.8	26
32	Genetic loci associated with ideal cardiovascular health: A meta-analysis of genome-wide association studies. <i>American Heart Journal</i> , 2016, 175, 112-120.	2.7	25
33	Archeological Echocardiography: Digitization and Speckle Tracking Analysis of Archival Echocardiograms in the HyperGEN Study. <i>Echocardiography</i> , 2016, 33, 386-397.	0.9	24
34	Prevalence and Predictors of Diastolic Dysfunction According to Different Classification Criteria. <i>American Journal of Epidemiology</i> , 2017, 185, 1221-1227.	3.4	21
35	rs4771122 Predicts Multiple Measures of Long-Term Weight Loss After Bariatric Surgery. <i>Obesity Surgery</i> , 2015, 25, 2225-2229.	2.1	19
36	Great expectations: patient perspectives and anticipated utility of non-diagnostic genomic-sequencing results. <i>Journal of Community Genetics</i> , 2018, 9, 19-26.	1.2	19

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37	Risk-Based Approach for the Prediction and Prevention of Heart Failure. <i>Circulation: Heart Failure</i> , 2021, 14, e007761.	3.9	19
38	Concordance between Research Sequencing and Clinical Pharmacogenetic Genotyping in the eMERGE-PGx Study. <i>Journal of Molecular Diagnostics</i> , 2017, 19, 561-566.	2.8	18
39	Neonatal Discontinuation Syndrome in Serotonergic Antidepressant-Exposed Neonates. <i>Journal of Clinical Psychiatry</i> , 2017, 78, 605-611.	2.2	18
40	An ancillary genomics system to support the return of pharmacogenomic results. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019, 26, 306-310.	4.4	18
41	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. <i>American Journal of Human Genetics</i> , 2021, 108, 564-582.	6.2	18
42	Identifying gene-gene interactions that are highly associated with Body Mass Index using Quantitative Multifactor Dimensionality Reduction (QMDR). <i>BioData Mining</i> , 2015, 8, 41.	4.0	17
43	Genome-wide interaction with the insulin secretion locus <i>MTNR1B</i> reveals <i>CMIP</i> as a novel type 2 diabetes susceptibility gene in African Americans. <i>Genetic Epidemiology</i> , 2018, 42, 559-570.	1.3	17
44	Predictive Accuracy of Heart Failure-Specific Risk Equations in an Electronic Health Record-Based Cohort. <i>Circulation: Heart Failure</i> , 2020, 13, e007462.	3.9	17
45	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>PLoS Genetics</i> , 2020, 16, e1008684.	3.5	17
46	Serologic Status and SARS-CoV-2 Infection over 6 Months of Follow Up in Healthcare Workers in Chicago: A Cohort Study. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 1207-1215.	1.8	17
47	Genome-Wide Association Study of Serum Fructosamine and Glycated Albumin in Adults Without Diagnosed Diabetes: Results From the Atherosclerosis Risk in Communities Study. <i>Diabetes</i> , 2018, 67, 1684-1696.	0.6	16
48	The relationship between adiposity-associated inflammation and coronary artery and abdominal aortic calcium differs by strata of central adiposity: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Vascular Medicine</i> , 2014, 19, 264-271.	1.5	15
49	The Mediation of Racial Differences in Hypertension by Sleep Characteristics: Chicago Area Sleep Study. <i>American Journal of Hypertension</i> , 2016, 29, 1353-1357.	2.0	15
50	Multi-ethnic GWAS and fine-mapping of glycaemic traits identify novel loci in the PAGE Study. <i>Diabetologia</i> , 2022, 65, 477-489.	6.3	15
51	Tamoxifen Acceptance and Adherence among Patients with Ductal Carcinoma In Situ (DCIS) Treated in a Multidisciplinary Setting. <i>Cancer Prevention Research</i> , 2017, 10, 389-397.	1.5	14
52	Penetrance of Breast Cancer Susceptibility Genes from the eMERGE III Network. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab044.	2.9	14
53	Network Engagement in Action. <i>Medical Care</i> , 2020, 58, S66-S74.	2.4	13
54	Impact of CYP2C9-Interacting Drugs on Warfarin Pharmacogenomics. <i>Clinical and Translational Science</i> , 2020, 13, 941-949.	3.1	13

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55	Life's Simple 7 and Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Preventive Medicine</i> , 2019, 56, 262-270.	3.0	12
56	A genetic risk score comprising known venous thromboembolism loci is associated with chronic venous disease in a multi-ethnic cohort. <i>Thrombosis Research</i> , 2015, 136, 966-973.	1.7	11
57	Performance of an electronic health record-based phenotype algorithm to identify community associated methicillin-resistant <i>Staphylococcus aureus</i> cases and controls for genetic association studies. <i>BMC Infectious Diseases</i> , 2016, 16, 684.	2.9	9
58	Functional evaluation of human ion channel variants using automated electrophysiology. <i>Methods in Enzymology</i> , 2021, 654, 383-405.	1.0	9
59	Pre-pregnancy blood pressure and body mass index trajectories and incident hypertensive disorders of pregnancy. <i>Pregnancy Hypertension</i> , 2018, 13, 138-140.	1.4	8
60	Identification of Cardiac Fibrosis in Young Adults With a Homozygous Frameshift Variant in <i>SERPINE1</i> . <i>JAMA Cardiology</i> , 2021, 6, 841.	6.1	8
61	Genome-Wide Interaction with Insulin Secretion Loci Reveals Novel Loci for Type 2 Diabetes in African Americans. <i>PLoS ONE</i> , 2016, 11, e0159977.	2.5	7
62	Discovery and replication of SNP-SNP interactions for quantitative lipid traits in over 60,000 individuals. <i>BioData Mining</i> , 2017, 10, 25.	4.0	7
63	Association of the V122I Transthyretin Amyloidosis Genetic Variant With Cardiac Structure and Function in Middle-aged Black Adults. <i>JAMA Cardiology</i> , 2021, 6, 718.	6.1	7
64	Practitioners' Confidence and Desires for Education in Cardiovascular and Sudden Cardiac Death Genetics. <i>Journal of the American Heart Association</i> , 2022, 11, e023763.	3.7	7
65	Description and initial evaluation of incorporating electronic follow-up of study participants in a longstanding multisite cohort study. <i>BMC Medical Research Methodology</i> , 2016, 16, 125.	3.1	6
66	All-Cause Mortality of Patients With and Without Diabetes Following Bariatric Surgery: Comparison to Non-surgical Matched Patients. <i>Obesity Surgery</i> , 2021, 31, 755-762.	2.1	6
67	Detecting potential pleiotropy across cardiovascular and neurological diseases using univariate, bivariate, and multivariate methods on 43,870 individuals from the eMERGE network. , 2018, , .		6
68	Integrating clinical genetics in cardiology: Current practices and recommendations for education. <i>Genetics in Medicine</i> , 2022, 24, 1054-1061.	2.4	6
69	Clinical correlates and heritability of cardiac mechanics: The HyperGEN study. <i>International Journal of Cardiology</i> , 2019, 274, 208-213.	1.7	5
70	Genome-wide Association Study of Change in Fasting Glucose over time in 13,807 non-diabetic European Ancestry Individuals. <i>Scientific Reports</i> , 2019, 9, 9439.	3.3	5
71	Genome-wide meta-analysis of SNP and antihypertensive medication interactions on left ventricular traits in African Americans. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00788.	1.2	4
72	Association between triglycerides, known risk SNVs and conserved rare variation in <i>SLC25A40</i> in a multi-ancestry cohort. <i>BMC Medical Genomics</i> , 2021, 14, 11.	1.5	4

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73	Validation of Heart Failure-Specific Risk Equations in 1.3 Million Israeli Adults and Usefulness of Combining Ambulatory and Hospitalization Data from a Large Integrated Health Care Organization. <i>American Journal of Cardiology</i> , 2022, 168, 105-109.	1.6	4
74	All-Cause Mortality Following Bariatric Surgery in Smokers and Non-smokers. <i>Obesity Surgery</i> , 2019, 29, 3854-3859.	2.1	3
75	An innovative program to provide methodological mentoring and to foster the development of robust research teams for K awardees: RAMP Mentors. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e43.	0.6	3
76	Effect of the Affordable Care Act on diabetes care at major health centers: newly detected diabetes and diabetes medication management. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002205.	2.8	3
77	Solutions for Unexpected Challenges Encountered when Integrating Research Genomics Results into the EHR. <i>ACI Open</i> , 2020, 04, e132-e135.	0.5	2
78	Rasmussen-Torvik et al. Respond to "The Perfect Measure of Diastolic Dysfunction". <i>American Journal of Epidemiology</i> , 2017, 185, 1231-1232.	3.4	1
79	Practice Patterns After Return of Rare Variants Associated With Cardiomyopathy in the Electronic Medical Records and Genomics Network. <i>Circulation: Heart Failure</i> , 2021, 14, e008155.	3.9	1
80	Genetic variation in sodium glucose co-transporter 1 and cardiac structure and function at middle age. <i>ESC Heart Failure</i> , 2022, 9, 1496-1501.	3.1	1
81	Interpreting the pharmacoepidemiology literature in obstetrical studies: A guide for clinicians. <i>Seminars in Perinatology</i> , 2020, 44, 151225.	2.5	0
82	Peripubertal Anti-Mullerian Hormone Levels Are Associated With Hyperandrogenemia During Adolescence: The Avon Longitudinal Study of Parents and Children. <i>Journal of the Endocrine Society</i> , 2021, 5, A725-A726.	0.2	0
83	Facilitating Genetics Aware Clinical Decision Support: Putting the eMERGE Infrastructure into Practice. <i>ACI Open</i> , 2021, 05, e54-e58.	0.5	0
84	Title is missing!. , 2020, 16, e1008684.		0
85	Title is missing!. , 2020, 16, e1008684.		0
86	Title is missing!. , 2020, 16, e1008684.		0
87	Title is missing!. , 2020, 16, e1008684.		0
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89	Title is missing!. , 2020, 16, e1008684.		0