

Marylyn D Ritchie

List of Publications by Year in descending order

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Version: 2024-02-01

267
papers

29,281
citations

11639

70
h-index

6294

158
g-index

289
all docs

289
docs citations

289
times ranked

34540
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015, 518, 197-206.	13.7	3,823
2	Multifactor-Dimensionality Reduction Reveals High-Order Interactions among Estrogen-Metabolism Genes in Sporadic Breast Cancer. <i>American Journal of Human Genetics</i> , 2001, 69, 138-147.	2.6	1,745
3	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015, 518, 187-196.	13.7	1,328
4	Multifactor dimensionality reduction software for detecting gene-gene and gene-environment interactions. <i>Bioinformatics</i> , 2003, 19, 376-382.	1.8	1,067
5	PheWAS: demonstrating the feasibility of a phenome-wide scan to discover gene-disease associations. <i>Bioinformatics</i> , 2010, 26, 1205-1210.	1.8	966
6	Systematic comparison of phenome-wide association study of electronic medical record data and genome-wide association study data. <i>Nature Biotechnology</i> , 2013, 31, 1102-1111.	9.4	846
7	Methods of integrating data to uncover genotype-phenotype interactions. <i>Nature Reviews Genetics</i> , 2015, 16, 85-97.	7.7	803
8	Genetic and Pharmacologic Inactivation of ANGPTL3 and Cardiovascular Disease. <i>New England Journal of Medicine</i> , 2017, 377, 211-221.	13.9	633
9	The eMERGE Network: A consortium of biorepositories linked to electronic medical records data for conducting genomic studies. <i>BMC Medical Genomics</i> , 2011, 4, 13.	0.7	618
10	The Electronic Medical Records and Genomics (eMERGE) Network: past, present, and future. <i>Genetics in Medicine</i> , 2013, 15, 761-771.	1.1	611
11	Meta-analysis identifies six new susceptibility loci for atrial fibrillation. <i>Nature Genetics</i> , 2012, 44, 670-675.	9.4	533
12	Genetic Determinants of Response to Warfarin during Initial Anticoagulation. <i>New England Journal of Medicine</i> , 2008, 358, 999-1008.	13.9	516
13	Power of multifactor dimensionality reduction for detecting gene-gene interactions in the presence of genotyping error, missing data, phenocopy, and genetic heterogeneity. <i>Genetic Epidemiology</i> , 2003, 24, 150-157.	0.6	515
14	Distribution and clinical impact of functional variants in 50,726 whole-exome sequences from the DiscovEHR study. <i>Science</i> , 2016, 354, .	6.0	464
15	Inactivating Variants in <i>ANGPTL4</i> and Risk of Coronary Artery Disease. <i>New England Journal of Medicine</i> , 2016, 374, 1123-1133.	13.9	411
16	A genome-wide scan for common genetic variants with a large influence on warfarin maintenance dose. <i>Blood</i> , 2008, 112, 1022-1027.	0.6	410
17	Genetic identification of familial hypercholesterolemia within a single U.S. health care system. <i>Science</i> , 2016, 354, .	6.0	349
18	Renin-Angiotensin System Gene Polymorphisms and Atrial Fibrillation. <i>Circulation</i> , 2004, 109, 1640-1646.	1.6	343

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19	A balanced accuracy function for epistasis modeling in imbalanced datasets using multifactor dimensionality reduction. <i>Genetic Epidemiology</i> , 2007, 31, 306-315.	0.6	337
20	Different contributions of polymorphisms in VKORC1 and CYP2C9 to intra- and inter-population differences in maintenance dose of warfarin in Japanese, Caucasians and African-Americans. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 101-110.	0.7	326
21	Robust Replication of Genotype-Phenotype Associations across Multiple Diseases in an Electronic Medical Record. <i>American Journal of Human Genetics</i> , 2010, 86, 560-572.	2.6	302
22	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 97-105.	5.5	298
23	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014, 46, 826-836.	9.4	281
24	The phenotypic legacy of admixture between modern humans and Neandertals. <i>Science</i> , 2016, 351, 737-741.	6.0	269
25	Quality Control Procedures for Genome-Wide Association Studies. <i>Current Protocols in Human Genetics</i> , 2011, 68, Unit1.19.	3.5	259
26	Generalization and Dilution of Association Results from European GWAS in Populations of Non-European Ancestry: The PAGE Study. <i>PLoS Biology</i> , 2013, 11, e1001661.	2.6	235
27	Variants Near FOXE1 Are Associated with Hypothyroidism and Other Thyroid Conditions: Using Electronic Medical Records for Genome- and Phenome-wide Studies. <i>American Journal of Human Genetics</i> , 2011, 89, 529-542.	2.6	232
28	Machine Learning for Detecting Gene-Gene Interactions. <i>Applied Bioinformatics</i> , 2006, 5, 77-88.	1.7	209
29	Optimization of neural network architecture using genetic programming improves detection and modeling of gene-gene interactions in studies of human diseases. <i>BMC Bioinformatics</i> , 2003, 4, 28.	1.2	190
30	Visualizing genomic information across chromosomes with PhenoGram. <i>BioData Mining</i> , 2013, 6, 18.	2.2	175
31	Phenome-Wide Association Study (PheWAS) for Detection of Pleiotropy within the Population Architecture using Genomics and Epidemiology (PAGE) Network. <i>PLoS Genetics</i> , 2013, 9, e1003087.	1.5	171
32	Genome- and Phenome-Wide Analyses of Cardiac Conduction Identifies Markers of Arrhythmia Risk. <i>Circulation</i> , 2013, 127, 1377-1385.	1.6	167
33	Meta-Analysis of Genome-Wide Association Studies for Abdominal Aortic Aneurysm Identifies Four New Disease-Specific Risk Loci. <i>Circulation Research</i> , 2017, 120, 341-353.	2.0	166
34	Exome Sequencing-Based Screening for BRCA1/2 Expected Pathogenic Variants Among Adult Biobank Participants. <i>JAMA Network Open</i> , 2018, 1, e182140.	2.8	163
35	The Next PAGE in Understanding Complex Traits: Design for the Analysis of Population Architecture Using Genetics and Epidemiology (PAGE) Study. <i>American Journal of Epidemiology</i> , 2011, 174, 849-859.	1.6	161
36	A Large Candidate Gene Survey Identifies the KCNE1 D85N Polymorphism as a Possible Modulator of Drug-Induced Torsades de Pointes. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 91-99.	5.1	150

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37	Current Challenges and New Opportunities for Gene-Environment Interaction Studies of Complex Diseases. <i>American Journal of Epidemiology</i> , 2017, 186, 753-761.	1.6	150
38	Association of Arrhythmia-Related Genetic Variants With Phenotypes Documented in Electronic Medical Records. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 47.	3.8	148
39	Multilocus Analysis of Hypertension: A Hierarchical Approach. <i>Human Heredity</i> , 2004, 57, 28-38.	0.4	146
40	A genome- and phenome-wide association study to identify genetic variants influencing platelet count and volume and their pleiotropic effects. <i>Human Genetics</i> , 2014, 133, 95-109.	1.8	135
41	The Challenges of Whole-Genome Approaches to Common Diseases. <i>JAMA - Journal of the American Medical Association</i> , 2004, 291, 1642-1643.	3.8	133
42	Multifactor dimensionality reduction: An analysis strategy for modelling and detecting gene - gene interactions in human genetics and pharmacogenomics studies. <i>Human Genomics</i> , 2006, 2, 318-28.	1.4	132
43	Imputation and quality control steps for combining multiple genome-wide datasets. <i>Frontiers in Genetics</i> , 2014, 5, 370.	1.1	130
44	Mitochondrial haplogroups and peripheral neuropathy during antiretroviral therapy: an adult AIDS clinical trials group study. <i>Aids</i> , 2005, 19, 1341-1349.	1.0	129
45	An application of conditional logistic regression and multifactor dimensionality reduction for detecting gene-gene interactions on risk of myocardial infarction: the importance of model validation. <i>BMC Bioinformatics</i> , 2004, 5, 49.	1.2	127
46	Identification of Genomic Predictors of Atrioventricular Conduction. <i>Circulation</i> , 2010, 122, 2016-2021.	1.6	117
47	Susceptibility and modifier genes in Portuguese transthyretin V30M amyloid polyneuropathy: complexity in a single-gene disease. <i>Human Molecular Genetics</i> , 2005, 14, 543-553.	1.4	108
48	Renin-angiotensin system gene polymorphisms and coronary artery disease in a large angiographic cohort: Detection of high order gene-gene interaction. <i>Atherosclerosis</i> , 2007, 195, 172-180.	0.4	107
49	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	0.5	107
50	Variation in the 4q25 Chromosomal Locus Predicts Atrial Fibrillation After Coronary Artery Bypass Graft Surgery. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 499-506.	5.1	104
51	Single-Nucleotide Polymorphisms for Diagnosis of Salt-Sensitive Hypertension. <i>Clinical Chemistry</i> , 2006, 52, 352-360.	1.5	103
52	Comparison of approaches for machine learning optimization of neural networks for detecting gene-gene interactions in genetic epidemiology. <i>Genetic Epidemiology</i> , 2008, 32, 325-340.	0.6	103
53	Genetic variants associated with the white blood cell count in 13,923 subjects in the eMERGE Network. <i>Human Genetics</i> , 2012, 131, 639-652.	1.8	103
54	Genetic inactivation of ANGPTL4 improves glucose homeostasis and is associated with reduced risk of diabetes. <i>Nature Communications</i> , 2018, 9, 2252.	5.8	99

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55	Genomics-First Evaluation of Heart Disease Associated With Titin-Truncating Variants. <i>Circulation</i> , 2019, 140, 42-54.	1.6	97
56	Assessing the accuracy of observer-reported ancestry in a biorepository linked to electronic medical records. <i>Genetics in Medicine</i> , 2010, 12, 648-650.	1.1	94
57	Return of individual research results from genome-wide association studies: experience of the Electronic Medical Records and Genomics (eMERGE) Network. <i>Genetics in Medicine</i> , 2012, 14, 424-431.	1.1	94
58	Polymorphism modulates symptomatic response to antiarrhythmic drug therapy in patients with lone atrial fibrillation. <i>Heart Rhythm</i> , 2007, 4, 743-749.	0.3	92
59	A Phenomics-Based Strategy Identifies Loci on APOC1, BRAP, and PLCG1 Associated with Metabolic Syndrome Phenotype Domains. <i>PLoS Genetics</i> , 2011, 7, e1002322.	1.5	92
60	Drug Transporter and Metabolizing Enzyme Gene Variants and Nonnucleoside Reverse-Transcriptase Inhibitor Hepatotoxicity. <i>Clinical Infectious Diseases</i> , 2006, 43, 779-782.	2.9	91
61	Predicting warfarin dosage in European-American and African-American using DNA samples linked to an electronic health record. <i>Pharmacogenomics</i> , 2012, 13, 407-418.	0.6	90
62	The use of a DNA biobank linked to electronic medical records to characterize pharmacogenomic predictors of tacrolimus dose requirement in kidney transplant recipients. <i>Pharmacogenetics and Genomics</i> , 2012, 22, 32-42.	0.7	89
63	Genome-wide Study of Atrial Fibrillation Identifies Seven Risk Loci and Highlights Biological Pathways and Regulatory Elements Involved in Cardiac Development. <i>American Journal of Human Genetics</i> , 2018, 102, 103-115.	2.6	86
64	Chromosome 4q25 Variants Are Genetic Modifiers of Rare Ion Channel Mutations Associated With Familial Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1173-1181.	1.2	80
65	Relative contribution of CYP2C9 and VKORC1 genotypes and early INR response to the prediction of warfarin sensitivity during initiation of therapy. <i>Blood</i> , 2009, 113, 3925-3930.	0.6	79
66	eMERGEing progress in genomics—the first seven years. <i>Frontiers in Genetics</i> , 2014, 5, 184.	1.1	79
67	Knowledge boosting: a graph-based integration approach with multi-omics data and genomic knowledge for cancer clinical outcome prediction. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 109-120.	2.2	79
68	Biofilter: a knowledge-integration system for the multi-locus analysis of genome-wide association studies. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2009, , 368-79.	0.7	79
69	Electronic health records and polygenic risk scores for predicting disease risk. <i>Nature Reviews Genetics</i> , 2020, 21, 493-502.	7.7	78
70	Fine Mapping and Identification of BMI Loci in African Americans. <i>American Journal of Human Genetics</i> , 2013, 93, 661-671.	2.6	77
71	GPNN: power studies and applications of a neural network method for detecting gene-gene interactions in studies of human disease. <i>BMC Bioinformatics</i> , 2006, 7, 39.	1.2	75
72	Facilitating pharmacogenetic studies using electronic health records and natural-language processing: a case study of warfarin. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 387-391.	2.2	74

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73	Multifactor dimensionality reduction for detecting gene-gene and gene-environment interactions in pharmacogenomics studies. <i>Pharmacogenomics</i> , 2005, 6, 823-834.	0.6	72
74	Pitfalls of merging GWAS data: lessons learned in the eMERGE network and quality control procedures to maintain high data quality. <i>Genetic Epidemiology</i> , 2011, 35, 887-898.	0.6	71
75	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , 2018, 9, 2904.	5.8	71
76	Phenome-wide association study (PheWAS) in EMR-linked pediatric cohorts, genetically links PLCL1 to speech language development and IL5-IL13 to Eosinophilic Esophagitis. <i>Frontiers in Genetics</i> , 2014, 5, 401.	1.1	70
77	Model-Based Multifactor Dimensionality Reduction for detecting epistasis in case-control data in the presence of noise. <i>Annals of Human Genetics</i> , 2011, 75, 78-89.	0.3	69
78	The search for gene-gene interactions in genome-wide association studies: challenges in abundance of methods, practical considerations, and biological interpretation. <i>Annals of Translational Medicine</i> , 2018, 6, 157-157.	0.7	69
79	Genetic risk factors for BMI and obesity in an ethnically diverse population: Results from the population architecture using genomics and epidemiology (PAGE) study. <i>Obesity</i> , 2013, 21, 835-846.	1.5	68
80	Parallel multifactor dimensionality reduction: a tool for the large-scale analysis of gene-gene interactions. <i>Bioinformatics</i> , 2006, 22, 2173-2174.	1.8	67
81	Using Biological Knowledge to Uncover the Mystery in the Search for Epistasis in Genome-Wide Association Studies. <i>Annals of Human Genetics</i> , 2011, 75, 172-182.	0.3	66
82	Phenome-wide association studies demonstrating pleiotropy of genetic variants within FTO with and without adjustment for body mass index. <i>Frontiers in Genetics</i> , 2014, 5, 250.	1.1	66
83	PheWAS and Beyond: The Landscape of Associations with Medical Diagnoses and Clinical Measures across 38,662 Individuals from Geisinger. <i>American Journal of Human Genetics</i> , 2018, 102, 592-608.	2.6	66
84	Immunogenetics of CD4 Lymphocyte Count Recovery during Antiretroviral Therapy: An AIDS Clinical Trials Group Study. <i>Journal of Infectious Diseases</i> , 2006, 194, 1098-1107.	1.9	65
85	The success of pharmacogenomics in moving genetic association studies from bench to bedside: study design and implementation of precision medicine in the post-GWAS era. <i>Human Genetics</i> , 2012, 131, 1615-1626.	1.8	65
86	A simulation study investigating power estimates in phenome-wide association studies. <i>BMC Bioinformatics</i> , 2018, 19, 120.	1.2	65
87	Pharmacogenomics Clinical Annotation Tool (PharmCAT). <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 203-210.	2.3	65
88	ATHENA: Identifying interactions between different levels of genomic data associated with cancer clinical outcomes using grammatical evolution neural network. <i>BioData Mining</i> , 2013, 6, 23.	2.2	64
89	Detection of Pleiotropy through a Phenome-Wide Association Study (PheWAS) of Epidemiologic Data as Part of the Environmental Architecture for Genes Linked to Environment (EAGLE) Study. <i>PLoS Genetics</i> , 2014, 10, e1004678.	1.5	64
90	The eMERGE genotype set of 83,717 subjects imputed to ~40 million variants genome wide and association with the herpes zoster medical record phenotype. <i>Genetic Epidemiology</i> , 2019, 43, 63-81.	0.6	63

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91	Novel methods for detecting epistasis in pharmacogenomics studies. <i>Pharmacogenomics</i> , 2007, 8, 1229-1241.	0.6	61
92	Genetic programming neural networks: A powerful bioinformatics tool for human genetics. <i>Applied Soft Computing Journal</i> , 2007, 7, 471-479.	4.1	60
93	Knowledge-Driven Multi-Locus Analysis Reveals Gene-Gene Interactions Influencing HDL Cholesterol Level in Two Independent EMR-Linked Biobanks. <i>PLoS ONE</i> , 2011, 6, e19586.	1.1	60
94	Multilocus genetic interactions and response to efavirenz-containing regimens: an Adult AIDS Clinical Trials Group study. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 837-845.	0.7	59
95	Association of the FTO Obesity Risk Variant rs8050136 With Percentage of Energy Intake From Fat in Multiple Racial/Ethnic Populations. <i>American Journal of Epidemiology</i> , 2013, 178, 780-790.	1.6	59
96	Genetic Determinants of Age-Related Macular Degeneration in Diverse Populations From the PAGE Study. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 6839-6850.	3.3	59
97	Alternative contingency table measures improve the power and detection of multifactor dimensionality reduction. <i>BMC Bioinformatics</i> , 2008, 9, 238.	1.2	57
98	Analysis pipeline for the epistasis search – statistical versus biological filtering. <i>Frontiers in Genetics</i> , 2014, 5, 106.	1.1	57
99	Genome Wide Analysis of Drug-Induced Torsades de Pointes: Lack of Common Variants with Large Effect Sizes. <i>PLoS ONE</i> , 2013, 8, e78511.	1.1	57
100	Genetic variation associated with circulating monocyte count in the eMERGE Network. <i>Human Molecular Genetics</i> , 2013, 22, 2119-2127.	1.4	56
101	Complement Receptor 1 Gene Variants Are Associated with Erythrocyte Sedimentation Rate. <i>American Journal of Human Genetics</i> , 2011, 89, 131-138.	2.6	55
102	Human-Disease Phenotype Map Derived from PheWAS across 38,682 Individuals. <i>American Journal of Human Genetics</i> , 2019, 104, 55-64.	2.6	54
103	Hemochromatosis (HFE) gene mutations and peripheral neuropathy during antiretroviral therapy. <i>Aids</i> , 2006, 20, 1503-1513.	1.0	53
104	BIOFILTER: A KNOWLEDGE-INTEGRATION SYSTEM FOR THE MULTI-LOCUS ANALYSIS OF GENOME-WIDE ASSOCIATION STUDIES. , 2008, , .		53
105	The effect of reduction in cross-validation intervals on the performance of multifactor dimensionality reduction. <i>Genetic Epidemiology</i> , 2006, 30, 546-555.	0.6	52
106	Routine discovery of complex genetic models using genetic algorithms. <i>Applied Soft Computing Journal</i> , 2004, 4, 79-86.	4.1	51
107	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. <i>PLoS Medicine</i> , 2020, 17, e1003288.	3.9	51
108	Genomic analyses with biofilter 2.0: knowledge driven filtering, annotation, and model development. <i>BioData Mining</i> , 2013, 6, 25.	2.2	50

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109	FAM-MDR: A Flexible Family-Based Multifactor Dimensionality Reduction Technique to Detect Epistasis Using Related Individuals. <i>PLoS ONE</i> , 2010, 5, e10304.	1.1	48
110	A comparison of analytical methods for genetic association studies. <i>Genetic Epidemiology</i> , 2008, 32, 767-778.	0.6	47
111	Early cancer diagnoses through BRCA1/2 screening of unselected adult biobank participants. <i>Genetics in Medicine</i> , 2018, 20, 554-558.	1.1	46
112	ATHENA: the analysis tool for heritable and environmental network associations. <i>Bioinformatics</i> , 2014, 30, 698-705.	1.8	45
113	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	45
114	Finding unique filter sets in PLATO: a precursor to efficient interaction analysis in GWAS data. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2010, , 315-26.	0.7	45
115	Integrating heterogeneous high-throughput data for meta-dimensional pharmacogenomics and disease-related studies. <i>Pharmacogenomics</i> , 2012, 13, 213-222.	0.6	44
116	Exome-wide evaluation of rare coding variants using electronic health records identifies new gene-phenotype associations. <i>Nature Medicine</i> , 2021, 27, 66-72.	15.2	44
117	ATHENA: A knowledge-based hybrid backpropagation-grammatical evolution neural network algorithm for discovering epistasis among quantitative trait Loci. <i>BioData Mining</i> , 2010, 3, 5.	2.2	43
118	Genetic Loci Implicated in Erythroid Differentiation and Cell Cycle Regulation Are Associated With Red Blood Cell Traits. <i>Mayo Clinic Proceedings</i> , 2012, 87, 461-474.	1.4	43
119	Electronic health record phenotype in subjects with genetic variants associated with arrhythmogenic right ventricular cardiomyopathy: a study of 30,716 subjects with exome sequencing. <i>Genetics in Medicine</i> , 2017, 19, 1245-1252.	1.1	43
120	Synthesis-View: visualization and interpretation of SNP association results for multi-cohort, multi-phenotype data and meta-analysis. <i>BioData Mining</i> , 2010, 3, 10.	2.2	42
121	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.	1.5	42
122	Visually integrating and exploring high throughput Phenome-Wide Association Study (PheWAS) results using PheWAS-View. <i>BioData Mining</i> , 2012, 5, 5.	2.2	42
123	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. <i>Circulation</i> , 2018, 138, 2469-2481.	1.6	42
124	A genome-first approach to aggregating rare genetic variants in LMNA for association with electronic health record phenotypes. <i>Genetics in Medicine</i> , 2020, 22, 102-111.	1.1	42
125	Using knowledge-driven genomic interactions for multi-omics data analysis: metadimensional models for predicting clinical outcomes in ovarian carcinoma. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 577-587.	2.2	41
126	European mitochondrial DNA haplogroups and metabolic changes during antiretroviral therapy in AIDS Clinical Trials Group Study A5142*. <i>Aids</i> , 2011, 25, 37-47.	1.0	40

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127	PLATO software provides analytic framework for investigating complexity beyond genome-wide association studies. <i>Nature Communications</i> , 2017, 8, 1167.	5.8	40
128	A Polygenic and Phenotypic Risk Prediction for Polycystic Ovary Syndrome Evaluated by Phenome-Wide Association Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1918-1936.	1.8	40
129	Phenome-Wide Association Studies: Leveraging Comprehensive Phenotypic and Genotypic Data for Discovery. <i>Current Genetic Medicine Reports</i> , 2015, 3, 92-100.	1.9	39
130	Genetic Variation and Reproductive Timing: African American Women from the Population Architecture Using Genomics and Epidemiology (PAGE) Study. <i>PLoS ONE</i> , 2013, 8, e55258.	1.1	39
131	African Mitochondrial DNA Subhaplogroups and Peripheral Neuropathy during Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2010, 201, 1703-1707.	1.9	38
132	The joint effect of air pollution exposure and copy number variation on risk for autism. <i>Autism Research</i> , 2017, 10, 1470-1480.	2.1	38
133	Epistatic Gene-Based Interaction Analyses for Glaucoma in eMERGE and NEIGHBOR Consortium. <i>PLoS Genetics</i> , 2016, 12, e1006186.	1.5	38
134	Estrogens, Enzyme Variants, and Breast Cancer: A Risk Model. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1620-1629.	1.1	37
135	Generalization of Variants Identified by Genome-Wide Association Studies for Electrocardiographic Traits in African Americans. <i>Annals of Human Genetics</i> , 2013, 77, 321-332.	0.3	37
136	Phenome-wide Association Study Relating Pretreatment Laboratory Parameters With Human Genetic Variants in AIDS Clinical Trials Group Protocols. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofu113.	0.4	37
137	Disrupting upstream translation in mRNAs is associated with human disease. <i>Nature Communications</i> , 2021, 12, 1515.	5.8	37
138	Genome-wide study of resistant hypertension identified from electronic health records. <i>PLoS ONE</i> , 2017, 12, e0171745.	1.1	36
139	Complex gene-gene interactions in multiple sclerosis: a multifactorial approach reveals associations with inflammatory genes. <i>Neurogenetics</i> , 2007, 8, 11-20.	0.7	35
140	Identification of unique venous thromboembolism-susceptibility variants in African-Americans. <i>Thrombosis and Haemostasis</i> , 2017, 117, 758-768.	1.8	35
141	An association analysis of Alzheimer disease candidate genes detects an ancestral risk haplotype clade in <i>ACE</i> and putative multilocus association between <i>ACE</i> , <i>A2M</i> , and <i>LRRTM3</i> . <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009, 150B, 721-735.	1.1	34
142	Genetic Variants Associated with Serum Thyroid Stimulating Hormone (TSH) Levels in European Americans and African Americans from the eMERGE Network. <i>PLoS ONE</i> , 2014, 9, e111301.	1.1	34
143	Leveraging Epidemiologic and Clinical Collections for Genomic Studies of Complex Traits. <i>Human Heredity</i> , 2015, 79, 137-146.	0.4	34
144	Genetic variation in the mitochondrial enzyme carbamyl-phosphate synthetase I predisposes children to increased pulmonary artery pressure following surgical repair of congenital heart defects: A validated genetic association study. <i>Mitochondrion</i> , 2007, 7, 204-210.	1.6	33

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145	Lack of associations of ten candidate coronary heart disease risk genetic variants and subclinical atherosclerosis in four U.S. populations: The Population Architecture using Genomics and Epidemiology (PAGE) study. <i>Atherosclerosis</i> , 2013, 228, 390-399.	0.4	33
146	Exploring the Performance of Multifactor Dimensionality Reduction in Large Scale SNP Studies and in the Presence of Genetic Heterogeneity among Epistatic Disease Models. <i>Human Heredity</i> , 2009, 67, 183-192.	0.4	32
147	Genetic Variants That Confer Resistance to Malaria Are Associated with Red Blood Cell Traits in African-Americans: An Electronic Medical Record-based Genome-Wide Association Study. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1061-1068.	0.8	32
148	Predicting censored survival data based on the interactions between meta-dimensional omics data in breast cancer. <i>Journal of Biomedical Informatics</i> , 2015, 56, 220-228.	2.5	32
149	Genomewide Association Study of Platelet Reactivity and Cardiovascular Response in Patients Treated With Clopidogrel: A Study by the International Clopidogrel Pharmacogenomics Consortium. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 1067-1077.	2.3	32
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