Steve Buyske

List of Publications by Year
in descending order

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127 papers	14,794 citations	53660 45 h-index	23472 111 g-index

135 all docs	135 docs citations	135 times ranked	24643 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	13.7	3,823
2	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	9.4	1,818
3	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	13.7	1,328
4	Genetic analyses of diverse populations improves discovery for complex traits. Nature, 2019, 570, 514-518.	13.7	679
5	Widespread RNA Editing of Embedded Alu Elements in the Human Transcriptome. Genome Research, 2004, 14, 1719-1725.	2.4	470
6	A controlled trial of antidepressants in patients with Parkinson disease and depression. Neurology, 2009, 72, 886-892.	1.5	372
7	Preliminary Results of an Open Label Study of Heart Rate Variability Biofeedback for the Treatment of Major Depression. Applied Psychophysiology Biofeedback, 2007, 32, 19-30.	1.0	362
8	A second-generation combined linkageâ€“physical map of the human genome: Table 1.. Genome Research, 2007, 17, 1783-1786.	2.4	297
9	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. Nature Genetics, 2017, 49, 1113-1119.	9.4	260
10	Altered MicroRNA Expression Profiles in Postmortem Brain Samples from Individuals with Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2011, 69, 188-193.	0.7	254
11	Generalization and Dilution of Association Results from European GWAS in Populations of Non-European Ancestry: The PAGE Study. PLoS Biology, 2013, 11, e1001661.	2.6	235
12	A Pilot Study of the Efficacy of Heart Rate Variability (HRV) Biofeedback in Patients with Fibromyalgia. Applied Psychophysiology Biofeedback, 2007, 32, 1-10.	1.0	222
13	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. PLoS Genetics, 2019, 15, e1008500.	1.5	203
14	Mapping and characterization of structural variation in 17,795 human genomes. Nature, 2020, 583, 83-89.	13.7	194
15	Phenome-Wide Association Study (PheWAS) for Detection of Pleiotropy within the Population Architecture using Genomics and Epidemiology (PAGE) Network. PLoS Genetics, 2013, 9, e1003087.	1.5	171
16	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. Nature Communications, 2017, 8, 14977.	5.8	169
17	Adolescence-limited versus persistent delinquency: Extending Moffitt's hypothesis into adulthood.. Journal of Abnormal Psychology, 2001, 110, 600-609.	2.0	161
18	The use of phenome-wide association studies (PheWAS) for exploration of novel genotype-phenotype relationships and pleiotropy discovery. Genetic Epidemiology, 2011, 35, 410-422.	0.6	161

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19	The Next PAGE in Understanding Complex Traits: Design for the Analysis of Population Architecture Using Genetics and Epidemiology (PAGE) Study. American Journal of Epidemiology, 2011, 174, 849-859.	1.6	161
20	Insights into genetics, human biology and disease gleaned from family based genomic studies. Genetics in Medicine, 2019, 21, 798-812.	1.1	161
21	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	1.5	158
22	Genetic Determinants of Lipid Traits in Diverse Populations from the Population Architecture using Genomics and Epidemiology (PAGE) Study. PLoS Genetics, 2011, 7, e1002138.	1.5	146
23	New 19 bp deletion polymorphism in intron-1 of dihydrofolate reductase (DHFR): A risk factor for spina bifida acting in mothers during pregnancy?. American Journal of Medical Genetics Part A, 2004, 124A, 339-345.	2.4	128
24	A 3.9-Centimorgan-Resolution Human Single-Nucleotide Polymorphism Linkage Map and Screening Set. American Journal of Human Genetics, 2003, 73, 271-284.	2.6	112
25	Trans-Ethnic Fine-Mapping of Lipid Loci Identifies Population-Specific Signals and Allelic Heterogeneity That Increases the Trait Variance Explained. PLoS Genetics, 2013, 9, e1003379.	1.5	112
26	Temporally defined neocortical translation and polysome assembly are determined by the RNA-binding protein Hu antigen R. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3815-24.	3.3	99
27	Increased Expression in Dorsolateral Prefrontal Cortex of CAPON in Schizophrenia and Bipolar Disorder. PLoS Medicine, 2005, 2, e263.	3.9	93
28	The impact of treatment of depression on quality of life, disability and relapse in patients with Parkinson's disease. Movement Disorders, 2009, 24, 1325-1332.	2.2	83
29	Psychiatric Comorbidity and Other Psychological Factors in Patients with â€œChronic Lyme Diseaseâ€• American Journal of Medicine, 2009, 122, 843-850.	0.6	80
30	Common dihydrofolate reductase 19â€“base pair deletion allele: a novel risk factor for preterm delivery1â€“3. American Journal of Clinical Nutrition, 2005, 81, 664-668.	2.2	78
31	Fine Mapping and Identification of BMI Loci in African Americans. American Journal of Human Genetics, 2013, 93, 661-671.	2.6	77
32	HLA-DR4 as a Risk Allele for Autism Acting in Mothers of Probands Possibly During Pregnancy. JAMA Pediatrics, 2009, 163, 542.	3.6	72
33	Strategies for Enriching Variant Coverage in Candidate Disease Loci on a Multiethnic Genotyping Array. PLoS ONE, 2016, 11, e0167758.	1.1	72
34	Evaluation of the Metabochip Genotyping Array in African Americans and Implications for Fine Mapping of GWAS-Identified Loci: The PAGE Study. PLoS ONE, 2012, 7, e35651.	1.1	71
35	Genetic variant of glutathione peroxidase 1 in autism. Brain and Development, 2010, 32, 105-109.	0.6	69
36	Genetic risk factors for BMI and obesity in an ethnically diverse population: Results from the population architecture using genomics and epidemiology (PAGE) study. Obesity, 2013, 21, 835-846.	1.5	68

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37	The relationship between affect balance style and clinical outcomes in fibromyalgia. Arthritis and Rheumatism, 2008, 59, 833-840.	6.7	64
38	Replication of genetic loci for ages at menarche and menopause in the multi-ethnic Population Architecture using Genomics and Epidemiology (PAGE) study. Human Reproduction, 2013, 28, 1695-1706.	0.4	64
39	A Systematic Mapping Approach of 16q12.2/FTO and BMI in More Than 20,000 African Americans Narrows in on the Underlying Functional Variation: Results from the Population Architecture using Genomics and Epidemiology (PAGE) Study. PLoS Genetics, 2013, 9, e1003171.	1.5	63
40	Role of psychiatric comorbidity in chronic Lyme disease. Arthritis and Rheumatism, 2008, 59, 1742-1749.	6.7	62
41	Pain Is Associated With Short Leukocyte Telomere Length in Women With Fibromyalgia. Journal of Pain, 2012, 13, 959-969.	0.7	62
42	Analysis of case-parent trios at a locus with a deletion allele: association of GSTM1 with autism. BMC Genetics, 2006, 7, 8.	2.7	61
43	Identification of a Schizophrenia-Associated Functional Noncoding Variant inNOS1AP. American Journal of Psychiatry, 2009, 166, 434-441.	4.0	59
44	Genotype Imputation of <scp>M</scp>etabochip<scp>SNPs</scp> Using a Studyâ€Specific Reference Panel of â¼4,000 Haplotypes in <scp>A</scp>frican <scp>A</scp>mericans From the Women's Health Initiative. Genetic Epidemiology, 2012, 36, 107-117.	0.6	57
45	Consistent Directions of Effect for Established Type 2 Diabetes Risk Variants Across Populations. Diabetes, 2012, 61, 1642-1647.	0.3	49
46	The Neuropeptide VGF Is Reduced in Human Bipolar Postmortem Brain and Contributes to Some of the Behavioral and Molecular Effects of Lithium. Journal of Neuroscience, 2010, 30, 9368-9380.	1.7	44
47	Centers for Mendelian Genomics: A decade of facilitating gene discovery. Genetics in Medicine, 2022, 24, 784-797.	1.1	44
48	Translational derepression of Elavl4Âisoforms at their alternative 5â€² UTRs determines neuronal development. Nature Communications, 2020, 11, 1674.	5.8	40
49	Genetic Variation and Reproductive Timing: African American Women from the Population Architecture Using Genomics and Epidemiology (PAGE) Study. PLoS ONE, 2013, 8, e55258.	1.1	39
50	When a Case Is Not a Case: Effects of Phenotype Misclassification on Power and Sample Size Requirements for the Transmission Disequilibrium Test with Affected Child Trios. Human Heredity, 2009, 67, 287-292.	0.4	38
51	Fine-mapping, novel loci identification, and SNP association transferability in a genome-wide association study of QRS duration in African Americans. Human Molecular Genetics, 2016, 25, 4350-4368.	1.4	37
52	Imputation of coding variants in African Americans: better performance using data from the exome sequencing project. Bioinformatics, 2013, 29, 2744-2749.	1.8	36
53	Pleiotropic Associations of Risk Variants Identified for Other Cancers With Lung Cancer Risk: The PAGE and TRICL Consortia. Journal of the National Cancer Institute, 2014, 106, dju061.	3.0	35
54	Trans-ethnic fine-mapping of genetic loci for body mass index in the diverse ancestral populations of the Population Architecture using Genomics and Epidemiology (PAGE) Study reveals evidence for multiple signals at established loci. Human Genetics, 2017, 136, 771-800.	1.8	31

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55	Cognitive Traits Link to Human Chromosomal Regions. Behavior Genetics, 2006, 36, 65-76.	1.4	30
56	The Influence of Obesity-Related Single Nucleotide Polymorphisms on BMI Across the Life Course: The PAGE Study. Diabetes, 2013, 62, 1763-1767.	0.3	29
57	A Genome Scan for Loci Shared by Autism Spectrum Disorder and Language Impairment. American Journal of Psychiatry, 2014, 171, 72-81.	4.0	29
58	Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci. Human Molecular Genetics, 2016, 25, 5500-5512.	1.4	29
59	Genetics of Chronic Kidney Disease Stages Across Ancestries: The PAGE Study. Frontiers in Genetics, 2019, 10, 494.	1.1	29
60	TDT-HET: A new transmission disequilibrium test that incorporates locus heterogeneity into the analysis of family-based association data. BMC Bioinformatics, 2012, 13, 13.	1.2	27
61	Prospective Associations of Coronary Heart Disease Loci in African Americans Using the MetaboChip: The PAGE Study. PLoS ONE, 2014, 9, e113203.	1.1	27
62	Maternal genotype effects can alias case genotype effects in caseâ€“control studies. European Journal of Human Genetics, 2008, 16, 784-785.	1.4	26
63	A Class of Weighted Log-Rank Tests for Survival Data When the Event is Rare. Journal of the American Statistical Association, 2000, 95, 249-258.	1.8	25
64	HLA DR and DQ alleles and haplotypes associated with clinical response to glatiramer acetate in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2013, 2, 340-348.	0.9	25
65	The genetic underpinnings of variation in ages at menarche and natural menopause among women from the multi-ethnic Population Architecture using Genomics and Epidemiology (PAGE) Study: A trans-ethnic meta-analysis. PLoS ONE, 2018, 13, e0200486.	1.1	25
66	Development and validation of a short form of the valued life activities disability questionnaire for rheumatoid arthritis. Arthritis Care and Research, 2011, 63, 1664-1671.	1.5	24
67	Investigation of gene-by-sex interactions for lipid traits in diverse populations from the population architecture using genomics and epidemiology study. BMC Genetics, 2013, 14, 33.	2.7	24
68	Genetic variants associated with fasting glucose and insulin concentrations in an ethnically diverse population: results from the Population Architecture using Genomics and Epidemiology (PAGE) study. BMC Medical Genetics, 2013, 14, 98.	2.1	24
69	Variant Discovery and Fine Mapping of Genetic Loci Associated with Blood Pressure Traits in Hispanics and African Americans. PLoS ONE, 2016, 11, e0164132.	1.1	24
70	NOS1AP protein levels are altered in BA46 and cerebellum of patients with schizophrenia. Schizophrenia Research, 2010, 124, 248-250.	1.1	23
71	Genetic discovery and risk characterization in type 2 diabetes across diverse populations. Human Genetics and Genomics Advances, 2021, 2, 100029.	1.0	23
72	Aprt/Opn double knockout mice: Osteopontin is a modifier of kidney stone disease severity. Kidney International, 2005, 68, 938-947.	2.6	21

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73	Gene Ã— Gene Interaction in Shared Etiology of Autism and Specific Language Impairment. Biological Psychiatry, 2012, 72, 692-699.	0.7	20
74	Transethnic insight into the genetics of glycaemic traits: fine-mapping results from the Population Architecture using Genomics and Epidemiology (PAGE) consortium. Diabetologia, 2017, 60, 2384-2398.	2.9	20
75	Fine mapping of QT interval regions in global populations refines previously identified QT interval loci and identifies signals unique to African and Hispanic descent populations. Heart Rhythm, 2017, 14, 572-580.	0.3	19
76	Ancestry-specific associations identified in genome-wide combined-phenotype study of red blood cell traits emphasize benefits of diversity in genomics. BMC Genomics, 2020, 21, 228.	1.2	19
77	Depression, Help-Seeking and Self-Recognition of Depression among Dominican, Ecuadorian and Colombian Immigrant Primary Care Patients in the Northeastern United States. International Journal of Environmental Research and Public Health, 2015, 12, 10450-10474.	1.2	18
78	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study. PLoS Genetics, 2020, 16, e1008684.	1.5	17
79	Alternative genomic diagnoses for individuals with a clinical diagnosis of Dubowitz syndrome. American Journal of Medical Genetics, Part A, 2021, 185, 119-133.	0.7	17
80	Generalization and fine mapping of European ancestry-based central adiposity variants in African ancestry populations. International Journal of Obesity, 2017, 41, 324-331.	1.6	16
81	Systematic Evaluation of Map Quality: Human Chromosome 22. American Journal of Human Genetics, 2002, 70, 1398-1410.	2.6	15
82	Social (Pragmatic) Communication Disorder: Another name for the Broad Autism Phenotype?. Autism, 2019, 23, 1982-1992.	2.4	15
83	A phenome-wide association study (PheWAS) in the Population Architecture using Genomics and Epidemiology (PAGE) study reveals potential pleiotropy in African Americans. PLoS ONE, 2019, 14, e0226771.	1.1	15
84	Multi-ethnic GWAS and fine-mapping of glycaemic traits identify novel loci in the PAGE Study. Diabetologia, 2022, 65, 477-489.	2.9	15
85	Fine-Mapping and Initial Characterization of QT Interval Loci in African Americans. PLoS Genetics, 2012, 8, e1002870.	1.5	13
86	Predictive cytokine biomarkers of clinical response to glatiramer acetate therapy in multiple sclerosis. Journal of Neuroimmunology, 2016, 300, 59-65.	1.1	13
87	Trans-ethnic analysis of metabochip data identifies two new loci associated with BMI. International Journal of Obesity, 2018, 42, 384-390.	1.6	13
88	Opportunities and challenges for the use of common controls in sequencing studies. Nature Reviews Genetics, 2022, 23, 665-679.	7.7	13
89	Optimal Design in Educational Testing. , 2005, , 1-19.		12
90	Genetic Association of GABAâ€A Receptor Alphaâ€2 and Mu Opioid Receptor with Cocaine Cueâ€Reactivity: Evidence for Inhibitory Synaptic Neurotransmission Involvement in Cocaine Dependence. American Journal on Addictions, 2012, 21, 411-415.	1.3	12

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91	Transcriptome-Wide Association Study of Blood Cell Traits in African Ancestry and Hispanic/Latino Populations. Genes, 2021, 12, 1049.	1.0	11
92	On maximizing item information and matching difficulty with ability. Psychometrika, 2001, 66, 69-77.	1.2	10
93	The multi-faceted assessment of independence in patients with rheumatoid arthritis: preliminary validation from the ATTAIN study. Current Medical Research and Opinion, 2008, 24, 1443-1453.	0.9	8
94	Validation of a microRNA target site polymorphism in H3F3B that is potentially associated with a broad schizophrenia phenotype. PLoS ONE, 2018, 13, e0194233.	1.1	8
95	Assessment of healthâ€related family role functioning in systemic lupus erythematosus: Preliminary validation of a new measure. Arthritis Care and Research, 2012, 64, 1341-1348.	1.5	7
96	No evidence of interaction between known lipid-associated genetic variants and smoking in the multi-ethnic PAGE population. Human Genetics, 2013, 132, 1427-1431.	1.8	7
97	Cefoxitin Plasma and Subcutaneous Adipose Tissue Concentration in Patients Undergoing Sleeve Gastrectomy. Clinical Therapeutics, 2016, 38, 204-210.	1.1	7
98	Multi-ethnic genome-wide association analyses of white blood cell and platelet traits in the Population Architecture using Genomics and Epidemiology (PAGE) study. BMC Genomics, 2021, 22, 432.	1.2	6
99	Genetic Risk Factors for BMI and Obesity in an Ethnically Diverse Population: Results From the Population Architecture Using Genomics and Epidemiology (PAGE) Study. Obesity, 0, , .	1.5	6
100	Enhanced genetic maps from family-based disease studies: population-specific comparisons. BMC Medical Genetics, 2011, 12, 15.	2.1	5
101	Post-Genome-Wide Association Study Challenges for Lipid Traits: Describing Age as a Modifier of Gene-Lipid Associations in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. Annals of Human Genetics, 2013, 77, 416-425.	0.3	5
102	Generalization and fine mapping of red blood cell trait genetic associations to multiâ€ethnic populations: The PAGE study. American Journal of Hematology, 2018, 93, 1061-1073.	2.0	5
103	Transmission Disequilibrium Test Power and Sample Size in the Presence of Locus Heterogeneity. Statistical Applications in Genetics and Molecular Biology, 2009, 8, 1-16.	0.2	4
104	Comment on the article â€œHeterogeneous dysregulation of microRNAs across the autism spectrumâ€•by Abu-Elneel et al.. Neurogenetics, 2009, 10, 167-167.	0.7	4
105	The Observational Evaluation of Subjective Wellâ€Being in Patients with Rheumatoid Arthritis. Applied Psychology: Health and Well-Being, 2009, 1, 46-61.	1.6	4
106	Enabling Data and Compute Intensive Workflows in Bioinformatics. Lecture Notes in Computer Science, 2012, , 23-32.	1.0	4
107	Multi-Ethnic Genome-Wide Association Study of Decomposed Cardioelectric Phenotypes Illustrates Strategies to Identify and Characterize Evidence of Shared Genetic Effects for Complex Traits. Circulation Genomic and Precision Medicine, 2020, 13, e002680.	1.6	4
108	Ethanol Decreases Rat Hepatic Arylsulfatase A Activity Levels. Alcoholism: Clinical and Experimental Research, 2006, 30, 1950-1955.	1.4	3

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109	Forming Big Datasets through Latent Class Concatenation of Imperfectly Matched Databases Features. Genes, 2019, 10, 727.	1.0	3
110	Teratogenic Alleles in Autism and Other Neurodevelopmental Disorders. , 2008, , 41-68.		3
111	A Class of Weighted Log-Rank Tests for Survival Data When the Event is Rare. , 0, .		2
112	Full title: A largeâ€scale transcriptomeâ€wide association study (TWAS) of 10 blood cell phenotypes reveals complexities of TWAS fineâ€mapping. Genetic Epidemiology, 2021, , .	0.6	2
113	PSY38 HEALTH-RELATED FAMILY FUNCTIONING IN SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)-PATIENT INTERVIEWS SUPPORT SIX DOMAINS. Value in Health, 2010, 13, A212.	0.1	1
114	Behavioral and Molecular Genetics of Reading-Related AM and FM Detection Thresholds. Behavior Genetics, 2017, 47, 193-201.	1.4	1
115	Maternally Acting Alleles in Autism and Other Neurodevelopmental Disorders: The Role of HLA-DR4 Within the Major Histocompatibility Complex. , 2010, , 137-160.		1
116	Retrieval independence between parts and wholes in successive recognition tasks. Quarterly Journal of Experimental Psychology, 2006, 59, 136-149.	0.6	0
117	A test of racial conceptualization between African Americans and indigenous Africans. Social Identities, 2008, 14, 313-331.	0.3	0
118	Pain is associated with short leukocyte telomere length in women with fibromyalgia. Journal of Pain, 2012, 13, S57.	0.7	0
119	Reply to: Reproducibility and Visual Inspection of Data. Biological Psychiatry, 2016, 80, e37-e38.	0.7	0
120	Autism, Teratogenic Alleles, HLA-DR4, and Immune Function. , 2009, , 325-342.		0
121	Abstract 051: Trans-ethnic Metabochip Genotyping of Established Lipid Loci Identifies Low Frequency Susceptibility Variants and Additional Independent Signals in Known Loci. Circulation, 2012, 125, .	1.6	0
122	Title is missing!. , 2020, 16, e1008684.		0
123	Title is missing!. , 2020, 16, e1008684.		0
124	Title is missing!. , 2020, 16, e1008684.		0
125	Title is missing!. , 2020, 16, e1008684.		0
126	Title is missing!. , 2020, 16, e1008684.		0

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127	Title is missing!. , 2020, 16, e1008684.		0