Brian S Yandell

List of Publications by Year
in descending order

40 papers	2,769 citations	304743 22 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	3678 citing authors

#	Article	IF	Citations
1	R/qtl2: Software for Mapping Quantitative Trait Loci with High-Dimensional Data and Multiparent Populations. Genetics, 2019, 211, 495-502.	2.9	333
2	A gene expression network model of type 2 diabetes links cell cycle regulation in islets with diabetes susceptibility. Genome Research, 2008, 18, 706-716.	5.5	320
3	A Bayesian Approach to Detect Quantitative Trait Loci Using Markov Chain Monte Carlo. Genetics, 1996, 144, 805-816.	2.9	228
4	Automatic Smoothing of Regression Functions in Generalized Linear Models. Journal of the American Statistical Association, 1986, 81, 96-103.	3.1	216
5	A Model Selection Approach for the Identification of Quantitative Trait Loci in Experimental Crosses, Allowing Epistasis. Genetics, 2009, 181, 1077-1086.	2.9	149
6	Association of Mobile Phone Location Data Indications of Travel and Stay-at-Home Mandates With COVID-19 Infection Rates in the US. JAMA Network Open, 2020, 3, e2020485.	5.9	145
7	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. Cell Reports, 2017, 18, 1739-1750.	6.4	143
8	R/qtlbim: QTL with Bayesian Interval Mapping in experimental crosses. Bioinformatics, 2007, 23, 641-643.	4.1	115
9	Inferring Causal Phenotype Networks From Segregating Populations. Genetics, 2008, 179, 1089-1100.	2.9	95
10	Gcvpack â€" routines for generalized cross validation. Communications in Statistics Part B: Simulation and Computation, 1987, 16, 263-297.	1.2	93
11	Testing the utility of simple multi-date Thematic Mapper calibration algorithms for monitoring turbid inland waters. International Journal of Remote Sensing, 1991, 12, 2045-2063.	2.9	89
12	Integrative Analysis of a Cross-Loci Regulation Network Identifies App as a Gene Regulating Insulin Secretion from Pancreatic Islets. PLoS Genetics, 2012, 8, e1003107.	3.5	76
13	Genetic determinants of gut microbiota composition and bile acid profiles in mice. PLoS Genetics, 2019, 15, e1008073.	3.5	75
14	Positional Cloning of a Type 2 Diabetes Quantitative Trait Locus; Tomosyn-2, a Negative Regulator of Insulin Secretion. PLoS Genetics, 2011, 7, e1002323.	3.5	67
15	Gene loci associated with insulin secretion in islets from nondiabetic mice. Journal of Clinical Investigation, 2019, 129, 4419-4432.	8.2	60
16	Automatic Smoothing of Regression Functions in Generalized Linear Models. Journal of the American Statistical Association, 1986, 81, 96.	3.1	56
17	Genetic Drivers of Pancreatic Islet Function. Genetics, 2018, 209, 335-356.	2.9	54
18	An Estimation Method for the Semiparametric Mixed Effects Model. Biometrics, 1999, 55, 102-110.	1.4	48

#	Article	IF	Citations
19	The Transcription Factor Nfatc2 Regulates Î²-Cell Proliferation and Genes Associated with Type 2 Diabetes in Mouse and Human Islets. PLoS Genetics, 2016, 12, e1006466.	3.5	40
20	Modeling Causality for Pairs of Phenotypes in System Genetics. Genetics, 2013, 193, 1003-1013.	2.9	38
21	Local Polynomial Jump-Detection Algorithm in Nonparametric Regression. Technometrics, 1998, 40, 141-152.	1.9	37
22	Fine Mapping of a QTL Associated with Kernel Row Number on Chromosome 1 of Maize. PLoS ONE, 2016, 11, e0150276.	2.5	30
23	The Dissection of Expression Quantitative Trait Locus Hotspots. Genetics, 2016, 202, 1563-1574.	2.9	29
24	pHâ€Responsive Polymer Nanoparticles for Efficient Delivery of Cas9 Ribonucleoprotein With or Without Donor DNA. Advanced Materials, 2022, 34, e2110618.	21.0	26
25	Identification and Correction of Sample Mix-Ups in Expression Genetic Data: A Case Study. G3: Genes, Genomes, Genetics, 2015, 5, 2177-2186.	1.8	25
26	Dissecting the Genetic Architecture of Shoot Growth in Carrot (<i>Daucus carota</i>L.) Using a Diallel Mating Design. G3: Genes, Genomes, Genetics, 2018, 8, 411-426.	1.8	25
27	Jump Detection in Regression Surfaces. Journal of Computational and Graphical Statistics, 1997, 6, 332-354.	1.7	23
28	Identification of the Bile Acid Transporter <i>Slco1a6</i> as a Candidate Gene That Broadly Affects Gene Expression in Mouse Pancreatic Islets. Genetics, 2015, 201, 1253-1262.	2.9	22
29	Modeling the Effects of Light, Carbon Dioxide, and Temperature on the Growth of Potato. Crop Science, 1988, 28, 811-818.	1.8	21
30	Statistical Issues in the Analysis of Quantitative Traits in Combined Crosses. Genetics, 2001, 158, 1339-1346.	2.9	18
31	A Unified Semiparametric Framework for Quantitative Trait Loci Analyses, With Application to Spike Phenotypes. Journal of the American Statistical Association, 2007, 102, 56-67.	3.1	14
32	Testing Pleiotropy <i>vs.</i> Separate QTL in Multiparental Populations. G3: Genes, Genomes, Genetics, 2019, 9, 2317-2324.	1.8	11
33	BOOTSTRAPPED MULTIâ€DIMENSIONAL PRODUCT LIMIT PROCESS. The Australian Journal of Statistics, 1988, 30, 342-358.	0.2	9
34	Loss-of-function of DELLA protein SLN1 activates GA signaling in barley aleurone. Acta Physiologiae Plantarum, 2010, 32, 789-800.	2.1	7
35	Heritable tissue culture induced variation in Zinnia marylandica. Euphytica, 1992, 64, 81-89.	1.2	6
36	Reconstruction of Networks with Direct and Indirect Genetic Effects. Genetics, 2020, 214, 781-807.	2.9	6

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37	Effect of stage of lactation on transport of colloidal carbon orStaphylococcus aureusfrom the mammary gland lumen to lymph nodes in guinea pigs. Journal of Dairy Research, 1985, 52, 491-500.	1.4	4
38	Combined Expression Trait Correlations and Expression Quantitative Trait Locus Mapping. PLoS Genetics, 2005, preprint, e6.	3.5	1
39	SEMIPARAMETRIC AND NONPARAMETRIC GENE MAPPING. , 2007, , 387-404.		0
40	qtl2pleio: Testing pleiotropy vs. separate QTL in multiparental populations. Journal of Open Source Software, 2019, 4, 1435.	4.6	0