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	pH‐Responsive Polymer Nanoparticles for Efficient Delivery of Cas9 Ribonucleoprotein With or Without Donor DNA. Advanced Materials, 2022, 34, e2110618.	21.0	26
2	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
3	Reconstruction of Networks with Direct and Indirect Genetic Effects. Genetics, 2020, 214, 781-807.	2.9	6
4	Genetic determinants of gut microbiota composition and bile acid profiles in mice. PLoS Genetics, 2019, 15, e1008073.	3.5	75
5	R/qtl2: Software for Mapping Quantitative Trait Loci with High-Dimensional Data and Multiparent Populations. Genetics, 2019, 211, 495-502.	2.9	333
6	Testing Pleiotropy *vs.* Separate QTL in Multiparental Populations. G3: Genes, Genomes, Genetics, 2019, 9, 2317-2324.	1.8	11
7	Gene loci associated with insulin secretion in islets from nondiabetic mice. Journal of Clinical Investigation, 2019, 129, 4419-4432.	8.2	60
8	qtl2pleio: Testing pleiotropy vs. separate QTL in multiparental populations. Journal of Open Source Software, 2019, 4, 1435.	4.6	0
9	Genetic Drivers of Pancreatic Islet Function. Genetics, 2018, 209, 335-356.	2.9	54
10	Dissecting the Genetic Architecture of Shoot Growth in Carrot (*Daucus carota* L.) Using a Diallel Mating Design. G3: Genes, Genomes, Genetics, 2018, 8, 411-426.	1.8	25
11	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. Cell Reports, 2017, 18, 1739-1750.	6.4	143
12	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
13	Fine Mapping of a QTL Associated with Kernel Row Number on Chromosome 1 of Maize. PLoS ONE, 2016, 11, e0150276.	2.5	30
14	The Dissection of Expression Quantitative Trait Locus Hotspots. Genetics, 2016, 202, 1563-1574.	2.9	29
15	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
16	Identification of the Bile Acid Transporter *Slco1a6* as a Candidate Gene That Broadly Affects Gene Expression in Mouse Pancreatic Islets. Genetics, 2015, 201, 1253-1262.	2.9	22
17	Modeling Causality for Pairs of Phenotypes in System Genetics. Genetics, 2013, 193, 1003-1013.	2.9	38
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Loss-of-function of DELLA protein SLN1 activates GA signaling in barley aleurone. Acta Physiologiae Plantarum, 2010, 32, 789-800.	2.1	7
21	A Model Selection Approach for the Identification of Quantitative Trait Loci in Experimental Crosses, Allowing Epistasis. Genetics, 2009, 181, 1077-1086.	2.9	149
22	Inferring Causal Phenotype Networks From Segregating Populations. Genetics, 2008, 179, 1089-1100.	2.9	95
23	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
24	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
25	SEMIPARAMETRIC AND NONPARAMETRIC GENE MAPPING. , 2007, , 387-404.		0
26	R/qtlbim: QTL with Bayesian Interval Mapping in experimental crosses. Bioinformatics, 2007, 23, 641-643.	4.1	115
27	Combined Expression Trait Correlations and Expression Quantitative Trait Locus Mapping. PLoS Genetics, 2005, preprint, e6.	3.5	1
28	Statistical Issues in the Analysis of Quantitative Traits in Combined Crosses. Genetics, 2001, 158, 1339-1346.	2.9	18
29	An Estimation Method for the Semiparametric Mixed Effects Model. Biometrics, 1999, 55, 102-110.	1.4	48
30	Local Polynomial Jump-Detection Algorithm in Nonparametric Regression. Technometrics, 1998, 40, 141-152.	1.9	37
31	Jump Detection in Regression Surfaces. Journal of Computational and Graphical Statistics, 1997, 6, 332-354.	1.7	23
32	A Bayesian Approach to Detect Quantitative Trait Loci Using Markov Chain Monte Carlo. Genetics, 1996, 144, 805-816.	2.9	228
33	Heritable tissue culture induced variation in Zinnia marylandica. Euphytica, 1992, 64, 81-89.	1.2	6
34	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
35	BOOTSTRAPPED MULTIâ€DIMENSIONAL PRODUCT LIMIT PROCESS. The Australian Journal of Statistics, 1988, 30, 342-358.	0.2	9
36	Modeling the Effects of Light, Carbon Dioxide, and Temperature on the Growth of Potato. Crop Science, 1988, 28, 811-818.	1.8	21

#	Article	IF	Citations
37	Gcvpack â€" routines for generalized cross validation. Communications in Statistics Part B: Simulation and Computation, 1987, 16, 263-297.	1.2	93
38	Automatic Smoothing of Regression Functions in Generalized Linear Models. Journal of the American Statistical Association, 1986, 81, 96-103.	3.1	216
39	Automatic Smoothing of Regression Functions in Generalized Linear Models. Journal of the American Statistical Association, 1986, 81, 96.	3.1	56
40	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