Trudy F C Mackay

List of Publications by Year in Descending Order

215 papers	20,898 citations	65 h-index	142 g-index
259 ext. papers	24,353 ext. citations	7.8 avg, IF	6.96 L-index

#	Paper	IF	Citations
215	Genetics and Brain Transcriptomics of Completed Suicide.. *American Journal of Psychiatry*, **2022**, 179, 226-241	11.9	0
214	Modulation of the Drosophila transcriptome by developmental exposure to alcohol.. *BMC Genomics* , **2022**, 23, 347	4.5	2
213	Heat shock proteins and small nucleolar RNAs are dysregulated in a Drosophila model for feline hypertrophic cardiomyopathy. *G3: Genes, Genomes, Genetics*, **2021**, 11,	3.2	2
212	The brain on cocaine at single-cell resolution. *Genome Research*, **2021**, 31, 1927-1937	9.7	4
211	Genetic basis of variation in cocaine and methamphetamine consumption in outbred populations of. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
210	Developmental Alcohol Exposure in Drosophila: Effects on Adult Phenotypes and Gene Expression in the Brain. *Frontiers in Psychiatry*, **2021**, 12, 699033	5	1
209	Functional Diversification, Redundancy, and Epistasis among Paralogs of the Drosophila melanogaster Obp50a-d Gene Cluster. *Molecular Biology and Evolution*, **2021**, 38, 2030-2044	8.3	1
208	Physiological and metabolomic consequences of reduced expression of the Drosophila brummer triglyceride Lipase. *PLoS ONE*, **2021**, 16, e0255198	3.7	0
207	Ibrutinib as a potential therapeutic for cocaine use disorder. *Translational Psychiatry*, **2021**, 11, 623	8.6	0
206	Leveraging Multiple Layers of Data To Predict Complex Traits. *G3: Genes, Genomes, Genetics*, **2020**, 10, 4599-4613	3.2	5
205	Context-dependent genetic architecture of Drosophila life span. *PLoS Biology*, **2020**, 18, e3000645	9.7	15
204	Gene expression networks in the Genetic Reference Panel. *Genome Research*, **2020**, 30, 485-496	9.7	19
203	Genetic Basis of Increased Lifespan and Postponed Senescence in. *G3: Genes, Genomes, Genetics*, **2020**, 10, 1087-1098	3.2	0
202	High-Throughput Method for Measuring Alcohol Sedation Time of Individual Drosophila melanogaster. *Journal of Visualized Experiments*, **2020**,	1.6	1
201	Genetic Basis of Natural Variation in Spontaneous Grooming in. *G3: Genes, Genomes, Genetics*, **2020**, 10, 3453-3460	3.2	1
200	Systems genetics of the metabolome. *Genome Research*, **2020**, 30, 392-405	9.7	9
199	Rapid and Predictable Evolution of Admixed Populations Between Two Species Pairs. *Genetics*, **2020**, 214, 211-230	4	21

198	Genotype by environment interaction for gene expression in Drosophila melanogaster. *Nature Communications*, **2020**, 11, 5451	17.4	10
197	Lisinopril Preserves Physical Resilience and Extends Life Span in a Genotype-Specific Manner in Drosophila melanogaster. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 1844-1852	6.4	4
196	Genetics of cocaine and methamphetamine consumption and preference in Drosophila melanogaster. *PLoS Genetics*, **2019**, 15, e1007834	6	10
195	Genome-Wide Association Study of Circadian Behavior in Drosophila melanogaster. *Behavior Genetics*, **2019**, 49, 60-82	3.2	14
194	Effect of genetic architecture on the prediction accuracy of quantitative traits in samples of unrelated individuals. *Heredity*, **2018**, 120, 500-514	3.6	32
193	Estimating Realized Heritability in Panmictic Populations. *Genetics*, **2018**, 208, 89-95	4	3
192	Functional Validation of Candidate Genes Detected by Genomic Feature Models. *G3: Genes, Genomes, Genetics*, **2018**, 8, 1659-1668	3.2	9
191	The road less traveled: from genotype to phenotype in flies and humans. *Mammalian Genome*, **2018** , 29, 5-23	3.2	16
190	Charting the genotype-phenotype map: lessons from the Drosophila melanogaster Genetic Reference Panel. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2018**, 7, e289	5.9	59
189	A Centered Genetic Network Contributes to Alcohol-Induced Variation in Drosophila Development. *G3: Genes, Genomes, Genetics*, **2018**, 8, 2643-2653	3.2	7
188	Genomic Analysis of Genotype-by-Social Environment Interaction for Aggressive Behavior. *Genetics*, **2017**, 206, 1969-1984	4	19
187	A Drosophila model for toxicogenomics: Genetic variation in susceptibility to heavy metal exposure. *PLoS Genetics*, **2017**, 13, e1006907	6	29
186	Regulation of Drosophila Lifespan by bellwether Promoter Alleles. *Scientific Reports*, **2017**, 7, 4109	4.9	3
185	Genetic and Genomic Response to Selection for Food Consumption in Drosophila melanogaster. *Behavior Genetics*, **2017**, 47, 227-243	3.2	14
184	Genetic architecture of natural variation in visual senescence in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E6620-E6629	11.5	32
183	Artificial selection on chill-coma recovery time in Drosophila melanogaster: Direct and correlated responses to selection. *Journal of Thermal Biology*, **2016**, 59, 77-85	2.9	20
182	Natural variability in Drosophila larval and pupal NaCl tolerance. *Journal of Insect Physiology*, **2016**, 88, 15-23	2.4	1
181	Spontaneous mutations and the origin and maintenance of quantitative genetic variation. *ELife*, **2016**, 5,	8.9	30

180	The Genetic Basis for Variation in Sensitivity to Lead Toxicity in Drosophila melanogaster. *Environmental Health Perspectives*, **2016**, 124, 1062-70	8.4	28
179	Genome-Wide Analysis Reveals Novel Regulators of Growth in Drosophila melanogaster. *PLoS Genetics*, **2016**, 12, e1005616	6	32
178	The Genetic Architecture of Natural Variation in Recombination Rate in Drosophila melanogaster. *PLoS Genetics*, **2016**, 12, e1005951	6	66
177	The Genetic Architecture of Quantitative Traits Cannot Be Inferred from Variance Component Analysis. *PLoS Genetics*, **2016**, 12, e1006421	6	99
176	Obp56h Modulates Mating Behavior in Drosophila melanogaster. *G3: Genes, Genomes, Genetics*, **2016**, 6, 3335-3342	3.2	9
175	Genomic Prediction for Quantitative Traits Is Improved by Mapping Variants to Gene Ontology Categories in Drosophila melanogaster. *Genetics*, **2016**, 203, 1871-83	4	67
174	The genetic basis for variation in olfactory behavior in Drosophila melanogaster. *Chemical Senses*, **2015**, 40, 233-43	4.8	55
173	Genetic architecture of natural variation in Drosophila melanogaster aggressive behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3555-63	11.5	81
172	Genetic Architecture of Abdominal Pigmentation in Drosophila melanogaster. *PLoS Genetics*, **2015**, 11, e1005163	6	56
171	Genetic mapping uncovers cis-regulatory landscape of RNA editing. *Nature Communications*, **2015**, 6, 8194	17.4	48
170	Genetic Control of Environmental Variation of Two Quantitative Traits of Drosophila melanogaster Revealed by Whole-Genome Sequencing. *Genetics*, **2015**, 201, 487-97	4	15
169	Genetic basis of transcriptome diversity in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6010-9	11.5	82
168	Dissecting the Genetic Architecture of Behavior in. *Current Opinion in Behavioral Sciences*, **2015**, 2, 1-7	4	6
167	Genetic Architecture of Micro-Environmental Plasticity in Drosophila melanogaster. *Scientific Reports*, **2015**, 5, 9785	4.9	35
166	Polymorphisms in early neurodevelopmental genes affect natural variation in alcohol sensitivity in adult drosophila. *BMC Genomics*, **2015**, 16, 865	4.5	34
165	Accounting for genetic architecture improves sequence based genomic prediction for a Drosophila fitness trait. *PLoS ONE*, **2015**, 10, e0126880	3.7	34
164	Quantitative Genetics of Food Intake in Drosophila melanogaster. *PLoS ONE*, **2015**, 10, e0138129	3.7	53
163	The Genomic Basis of Postponed Senescence in Drosophila melanogaster. *PLoS ONE*, **2015**, 10, e0138569	3.7	26

162	Heritable variation in courtship patterns in Drosophila melanogaster. *G3: Genes, Genomes, Genetics*, **2015**, 5, 531-9	3.2	29
161	Longevity GWAS Using the Drosophila Genetic Reference Panel. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 1470-8	6.4	69
160	The genetic basis of natural variation in mushroom body size in Drosophila melanogaster. *Nature Communications*, **2015**, 6, 10115	17.4	23
159	Genetic basis of natural variation in body pigmentation in Drosophila melanogaster. *Fly*, **2015**, 9, 75-81	1.3	9
158	The Effects of Royal Jelly on Fitness Traits and Gene Expression in Drosophila melanogaster. *PLoS ONE*, **2015**, 10, e0134612	3.7	15
157	Genetic architecture of natural variation in cuticular hydrocarbon composition in Drosophila melanogaster. *ELife*, **2015**, 4,	8.9	65
156	Epistasis for quantitative traits in Drosophila. *Methods in Molecular Biology*, **2015**, 1253, 47-70	1.4	21
155	Epistasis and quantitative traits: using model organisms to study gene-gene interactions. *Nature Reviews Genetics*, **2014**, 15, 22-33	30.1	488
154	Why epistasis is important for tackling complex human disease genetics. *Genome Medicine*, **2014**, 6, 124	14.4	86
153	Transcriptional and epigenetic responses to mating and aging in Drosophila melanogaster. *BMC Genomics*, **2014**, 15, 927	4.5	31
152	Natural variation in genome architecture among 205 Drosophila melanogaster Genetic Reference Panel lines. *Genome Research*, **2014**, 24, 1193-208	9.7	372
151	Intrapopulation genome size variation in D. melanogaster reflects life history variation and plasticity. *PLoS Genetics*, **2014**, 10, e1004522	6	47
150	Genetics and genomics of alcohol sensitivity. *Molecular Genetics and Genomics*, **2014**, 289, 253-69	3.1	36
149	Genome-wide association analysis of tolerance to methylmercury toxicity in Drosophila implicates myogenic and neuromuscular developmental pathways. *PLoS ONE*, **2014**, 9, e110375	3.7	27
148	Genome-wide association study of sleep in Drosophila melanogaster. *BMC Genomics*, **2013**, 14, 281	4.5	91
147	Genomic response to selection for postponed senescence in Drosophila. *Mechanisms of Ageing and Development*, **2013**, 134, 79-88	5.6	10
146	Analysis of natural variation reveals neurogenetic networks for Drosophila olfactory behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1017-22	11.5	76
145	The Drosophila melanogaster Genetic Reference Panel. *Nature*, **2012**, 482, 173-8	50.4	1274

144	The genetic basis of alcoholism: multiple phenotypes, many genes, complex networks. *Genome Biology*, **2012**, 13, 239	18.3	39
143	Genetics of aggression. *Annual Review of Genetics*, **2012**, 46, 145-64	14.5	74
142	Nuclear genomic control of naturally occurring variation in mitochondrial function in Drosophila melanogaster. *BMC Genomics*, **2012**, 13, 659	4.5	16
141	Epistasis dominates the genetic architecture of Drosophila quantitative traits. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15553-9	11.5	264
140	Genome-wide association for sensitivity to chronic oxidative stress in Drosophila melanogaster. *PLoS ONE*, **2012**, 7, e38722	3.7	61
139	Phenotypic plasticity of the Drosophila transcriptome. *PLoS Genetics*, **2012**, 8, e1002593	6	72
138	Using whole-genome sequence data to predict quantitative trait phenotypes in Drosophila melanogaster. *PLoS Genetics*, **2012**, 8, e1002685	6	144
137	Genomic variation and its impact on gene expression in Drosophila melanogaster. *PLoS Genetics*, **2012**, 8, e1003055	6	85
136	Extensive epistasis for olfactory behaviour, sleep and waking activity in Drosophila melanogaster. *Genetical Research*, **2012**, 94, 9-20	1.1	22
135	Genome-wide association analysis of oxidative stress resistance in Drosophila melanogaster. *PLoS ONE*, **2012**, 7, e34745	3.7	90
134	The future of model organisms in human disease research. *Nature Reviews Genetics*, **2011**, 12, 575-82	30.1	49
133	Complex genetic architecture of Drosophila aggressive behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17070-5	11.5	58
132	Transcriptional networks for alcohol sensitivity in Drosophila melanogaster. *Genetics*, **2011**, 187, 1193-205	4	22
131	Functional genome annotation of Drosophila seminal fluid proteins using transcriptional genetic networks. *Genetical Research*, **2011**, 93, 387-95	1.1	24
130	Mutations and quantitative genetic variation: lessons from Drosophila. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1229-39	5.8	71
129	Natural variation in odorant recognition among odorant-binding proteins in Drosophila melanogaster. *Genetics*, **2010**, 184, 759-67	4	32
128	Quantitative and molecular genetic analyses of mutations increasing Drosophila life span. *PLoS Genetics*, **2010**, 6, e1001037	6	67
127	Natural variation, functional pleiotropy and transcriptional contexts of odorant binding protein genes in Drosophila melanogaster. *Genetics*, **2010**, 186, 1475-85	4	48

126	Tuning the chemosensory window: a flyβ perspective. *Fly*, **2010**, 4, 230-5	1.3	2
125	Quantitative trait locus mapping of gravitaxis behaviour in Drosophila melanogaster. *Genetical Research*, **2010**, 92, 167-74	1.1	4
124	Systems genetics analysis of body weight and energy metabolism traits in Drosophila melanogaster. *BMC Genomics*, **2010**, 11, 297	4.5	64
123	Overexpression of myocilin in the Drosophila eye activates the unfolded protein response: implications for glaucoma. *PLoS ONE*, **2009**, 4, e4216	3.7	36
122	Genetic architecture of quantitative traits in mice, flies, and humans. *Genome Research*, **2009**, 19, 723-33	9.7	321
121	Quantitative trait loci for aggressive behavior in Drosophila melanogaster. *Genetics*, **2009**, 182, 889-97	4	34
120	Alcohol sensitivity in Drosophila: translational potential of systems genetics. *Genetics*, **2009**, 183, 733-45, 1SI-12SI	4	41
119	Epistatic interactions attenuate mutations affecting startle behaviour in Drosophila melanogaster. *Genetical Research*, **2009**, 91, 373-82	1.1	31
118	The genetic architecture of complex behaviors: lessons from Drosophila. *Genetica*, **2009**, 136, 295-302	1.5	30
117	Mutations in many genes affect aggressive behavior in Drosophila melanogaster. *BMC Biology*, **2009**, 7, 29	7.3	74
116	Q&A: Genetic analysis of quantitative traits. *Journal of Biology*, **2009**, 8, 23		33
115	Finding the missing heritability of complex diseases. *Nature*, **2009**, 461, 747-53	50.4	6084
114	Co-regulated transcriptional networks contribute to natural genetic variation in Drosophila sleep. *Nature Genetics*, **2009**, 41, 371-5	36.3	81
113	Systems genetics of complex traits in Drosophila melanogaster. *Nature Genetics*, **2009**, 41, 299-307	36.3	400
112	The genetics of quantitative traits: challenges and prospects. *Nature Reviews Genetics*, **2009**, 10, 565-77	30.1	833
111	Genetics. A-maize-ing diversity. *Science*, **2009**, 325, 688-9	33.3	11
110	A transcriptional network associated with natural variation in Drosophila aggressive behavior. *Genome Biology*, **2009**, 10, R76	18.3	48
109	Phenotypic plasticity and genotype by environment interaction for olfactory behavior in Drosophila melanogaster. *Genetics*, **2008**, 179, 1079-88	4	52

108	Neurogenetic networks for startle-induced locomotion in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 12393-8	11.5	59
107	Pleiotropic effects of Drosophila neuralized on complex behaviors and brain structure. *Genetics*, **2008**, 179, 1327-36	4	25
106	Speed-mapping quantitative trait loci using microarrays. *Nature Methods*, **2007**, 4, 839-41	21.6	37
105	Candidate genes affecting Drosophila life span identified by integrating microarray gene expression analysis and QTL mapping. *Mechanisms of Ageing and Development*, **2007**, 128, 237-49	5.6	57
104	AinP misbehavinP? Genotype-environment interactions and the genetics of behavior. *Trends in Genetics*, **2007**, 23, 311-4	8.5	31
103	What prevents transposable elements from taking over the genome? A commentary on PA test for the role of natural selection in the stabilization of transposable element copy number in a population of Drosophila melanogasterPby Elizabeth Montgomery, Brian Charlesworth and Charles H. Langley. *Genetical Research*, **2007**, 89, 433-4	1.1	2
102	The early developmental gene Semaphorin 5c contributes to olfactory behavior in adult Drosophila. *Genetics*, **2007**, 176, 947-56	4	17
101	Wild populations are smaller than we think: a commentary on PEffective population size/adult population size ratios in wildlife: a reviewPby Richard Frankham. *Genetical Research*, **2007**, 89, 489	1.1	2
100	Association of polymorphisms in odorant-binding protein genes with variation in olfactory response to benzaldehyde in Drosophila. *Genetics*, **2007**, 177, 1655-65	4	41
99	Phenotypic and transcriptional response to selection for alcohol sensitivity in Drosophila melanogaster. *Genome Biology*, **2007**, 8, R231	18.3	63
98	Quantitative genomics of locomotor behavior in Drosophila melanogaster. *Genome Biology*, **2007**, 8, R172	18.3	61
97	Phenotypic variation and natural selection at catsup, a pleiotropic quantitative trait gene in Drosophila. *Current Biology*, **2006**, 16, 912-9	6.3	82
96	Quantitative trait loci for locomotor behavior in Drosophila melanogaster. *Genetics*, **2006**, 174, 271-84	4	58
95	Quantitative genomics of aggressive behavior in Drosophila melanogaster. *PLoS Genetics*, **2006**, 2, e154	6	141
94	Dynamic genetic interactions determine odor-guided behavior in Drosophila melanogaster. *Genetics*, **2006**, 174, 1349-63	4	72
93	The genetic basis of postzygotic reproductive isolation between Drosophila santomea and D. yakuba due to hybrid male sterility. *Genetics*, **2006**, 173, 225-33	4	57
92	High-resolution mapping of quantitative trait loci affecting increased life span in Drosophila melanogaster. *Genetics*, **2006**, 173, 1455-63	4	29
91	The genetic basis of prezygotic reproductive isolation between Drosophila santomea and D. yakuba due to mating preference. *Genetics*, **2006**, 173, 215-23	4	39

90	Quantitative trait loci with age-specific effects on fecundity in Drosophila melanogaster. *Genetics*, **2006**, 172, 1595-605	4	43
89	Transcriptional response to alcohol exposure in Drosophila melanogaster. *Genome Biology*, **2006**, 7, R95	18.3	81
88	Of flies and man: Drosophila as a model for human complex traits. *Annual Review of Genomics and Human Genetics*, **2006**, 7, 339-67	9.7	71
87	Pleiotropic fitness effects of the Tre1-Gr5a region in Drosophila melanogaster. *Nature Genetics*, **2006**, 38, 824-9	36.3	26
86	Quantitative genomics of starvation stress resistance in Drosophila. *Genome Biology*, **2005**, 6, R36	18.3	85
85	Pinocchio, a novel protein expressed in the antenna, contributes to olfactory behavior in Drosophila melanogaster. *Journal of Neurobiology*, **2005**, 63, 146-58		21
84	Microclinal variation for ovariole number and body size in Drosophila melanogaster in ‘Evolution Canyon’. *Genetica*, **2005**, 123, 263-70	1.5	10
83	Drosophila bristles and the nature of quantitative genetic variation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 1513-27	5.8	110
82	Genetics and genomics of Drosophila mating behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102 Suppl 1, 6622-9	11.5	109
81	Polygenic mutation in Drosophila melanogaster: Mapping spontaneous mutations affecting sensory bristle number. *Genetics*, **2005**, 170, 1723-35	4	14
80	Quantitative trait loci affecting the difference in pigmentation between Drosophila yakuba and D. santomea. *Genetics*, **2005**, 171, 211-25	4	42
79	Complex Genetic Architecture of Drosophila Longevity **2005**, 181-216		10
78	Genetic dissection of quantitative traits **2004**, 51-73		5
77	Quantitative trait loci for sexual isolation between Drosophila simulans and D. mauritiana. *Genetics*, **2004**, 167, 1265-74	4	38
76	The quantitative genetic basis of male mating behavior in Drosophila melanogaster. *Genetics*, **2004**, 167, 1249-63	4	59
75	Quantitative trait loci affecting starvation resistance in Drosophila melanogaster. *Genetics*, **2004**, 166, 1807-23	4	103
74	No evidence for an association between common nonsynonymous polymorphisms in delta and bristle number variation in natural and laboratory populations of Drosophila melanogaster. *Genetics*, **2004**, 166, 291-306	4	31
73	Shuttle craft: a candidate quantitative trait gene for Drosophila lifespan. *Aging Cell*, **2004**, 3, 297-307	9.9	39

72	Quantitative genetic analyses of complex behaviours in Drosophila. *Nature Reviews Genetics*, **2004**, 5, 838-49	30.1	116
71	Quantitative trait loci affecting natural variation in Drosophila longevity. *Mechanisms of Ageing and Development*, **2004**, 125, 179-89	5.6	47
70	The genetic architecture of quantitative traits: lessons from Drosophila. *Current Opinion in Genetics and Development*, **2004**, 14, 253-7	4.9	170
69	Methods for genetic dissection of complex traits. *Science of Aging Knowledge Environment: SAGE KE* , **2004**, 2004, pe17		
68	Quantitative Trait Loci Affecting Starvation Resistance in Drosophila melanogaster. *Genetics*, **2004**, 166, 1807-1823	4	18
67	Dopa decarboxylase (Ddc) affects variation in Drosophila longevity. *Nature Genetics*, **2003**, 34, 429-33	36.3	162
66	The genetic architecture of odor-guided behavior in Drosophila: epistasis and the transcriptome. *Nature Genetics*, **2003**, 35, 180-4	36.3	113
65	Transcription profiling in Drosophila eyes that overexpress the human glaucoma-associated trabecular meshwork-inducible glucocorticoid response protein/myocilin (TIGR/MYOC). *Genetics*, **2003**, 163, 637-45	4	21
64	Scribble is essential for olfactory behavior in Drosophila melanogaster. *Genetics*, **2003**, 164, 1447-57	4	23
63	Heterogeneous selection at specific loci in natural environments in Arabidopsis thaliana. *Genetics*, **2003**, 165, 321-9	4	105
62	Genotype-environment interactions at quantitative trait loci affecting inflorescence development in Arabidopsis thaliana. *Genetics*, **2003**, 165, 353-65	4	126
61	The nature of quantitative genetic variation for Drosophila longevity. *Mechanisms of Ageing and Development*, **2002**, 123, 95-104	5.6	31
60	Association of single-nucleotide polymorphisms at the Delta locus with genotype by environment interaction for sensory bristle number in drosophila Melanogaster. *Genetical Research*, **2002**, 79, 211-8	1.1	14
59	The complex genetic architecture of Drosophila life span. *Experimental Aging Research*, **2002**, 28, 361-90	1.7	63
58	Quantitative trait loci for inflorescence development in Arabidopsis thaliana. *Genetics*, **2002**, 160, 1133-51	4	102
57	The DSC1 channel, encoded by the smi60E locus, contributes to odor-guided behavior in Drosophila melanogaster. *Genetics*, **2002**, 161, 1507-16	4	40
56	hairy: A quantitative trait locus for drosophila sensory bristle number. *Genetics*, **2002**, 162, 155-64	4	49
55	Vanaso is a candidate quantitative trait gene for Drosophila olfactory behavior. *Genetics*, **2002**, 162, 1321-8	4	50

54	The genetic architecture of Drosophila sensory bristle number. *Genetics*, **2002**, 162, 1655-74	4	81
53	Novel loci control variation in reproductive timing in Arabidopsis thaliana in natural environments. *Genetics*, **2002**, 162, 1875-84	4	134
52	The genetic architecture of odor-guided behavior in Drosophila melanogaster. *Behavior Genetics*, **2001**, 31, 17-27	3.2	29
51	Quantitative trait loci in Drosophila. *Nature Reviews Genetics*, **2001**, 2, 11-20	30.1	315
50	The genetic architecture of quantitative traits. *Annual Review of Genetics*, **2001**, 35, 303-39	14.5	820
49	The Genetic Architecture of Quantitative Traits **2001**, 389-409		3
48	Genotype-environment interaction for quantitative trait loci affecting life span in Drosophila melanogaster. *Genetics*, **2000**, 154, 213-27	4	266
47	Both naturally occurring insertions of transposable elements and intermediate frequency polymorphisms at the achaete-scute complex are associated with variation in bristle number in Drosophila melanogaster. *Genetics*, **2000**, 154, 1255-69	4	83
46	Quantitative trait loci for life span in Drosophila melanogaster: interactions with genetic background and larval density. *Genetics*, **2000**, 155, 1773-88	4	179
45	Deficiency mapping of quantitative trait loci affecting longevity in Drosophila melanogaster. *Genetics*, **2000**, 156, 1129-46	4	107
44	Quantitative trait loci for floral morphology in Arabidopsis thaliana. *Genetics*, **2000**, 156, 1379-92	4	85
43	Linkage disequilibrium mapping of molecular polymorphisms at the scabrous locus associated with naturally occurring variation in bristle number in Drosophila melanogaster. *Genetical Research*, **1999**, 74, 303-11	1.1	55
42	High-resolution mapping of quantitative trait loci for sternopleural bristle number in Drosophila melanogaster. *Genetics*, **1999**, 152, 1585-604	4	82
41	The genetic architecture of selection response. Inferences from fine-scale mapping of bristle number quantitative trait loci in Drosophila melanogaster. *Genetics*, **1999**, 153, 1317-31	4	43
40	Polygenic mutation in Drosophila melanogaster: genotype environment interaction for spontaneous mutations affecting bristle number. *Genetica*, **1998**, 102/103, 199-215	1.5	10
39	QTL mapping of genotype-environment interaction for fitness in Drosophila melanogaster. *Genetical Research*, **1998**, 71, 133-41	1.1	63
38	Pervasive effects of P element mutagenesis on body size in Drosophila melanogaster. *Genetical Research*, **1998**, 72, 19-24	1.1	8
37	Quantitative genetics of ovariole number in Drosophila melanogaster. II. Mutational variation and genotype-environment interaction. *Genetics*, **1998**, 148, 201-10	4	40

36	Heterosis for viability, fecundity, and male fertility in Drosophila melanogaster: comparison of mutational and standing variation. *Genetics*, **1998**, 148, 1171-88	4	26
35	Epistatic interactions between smell-impaired loci in Drosophila melanogaster. *Genetics*, **1998**, 148, 1885-91	4	62
34	quemao, a Drosophila bristle locus, encodes geranylgeranyl pyrophosphate synthase. *Genetics*, **1998**, 149, 1051-61	4	25
33	Candidate quantitative trait loci and naturally occurring phenotypic variation for bristle number in Drosophila melanogaster: the Delta-Hairless gene region. *Genetics*, **1998**, 149, 983-98	4	53
32	Two sites in the Delta gene region contribute to naturally occurring variation in bristle number in Drosophila melanogaster. *Genetics*, **1998**, 149, 999-1017	4	152
31	Genotype-environment interaction at quantitative trait loci affecting sensory bristle number in Drosophila melanogaster. *Genetics*, **1998**, 149, 1883-98	4	89
30	Polygenic mutation in Drosophila melanogaster: genotype □environment interaction for spontaneous mutations affecting bristle number. *Contemporary Issues in Genetics and Evolution*, **1998**, 199-215		
29	QUANTITATIVE GENETICS OF OVARIOLE NUMBER IN DROSOPHILA MELANOGASTER. I. SEGREGATING VARIATION AND FITNESS. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1156-1163	3.8	33
28	Horse Genetics. By Ann T. Bowling. CAB International, 1996. 200+xvii pages. Price £19.95, $35.00. ISBN 0 85199 101 7.. *Genetical Research*, **1997**, 69, 159-162	1.1	
27	Low mutation rates of microsatellite loci in Drosophila melanogaster. *Nature Genetics*, **1997**, 15, 99-102	36.3	201
26	Genetic and molecular analysis of smooth, a quantitative trait locus affecting bristle number in Drosophila melanogaster. *Genetics*, **1997**, 146, 607-18	4	14
25	The Contribution of New Mutations to Genotype-Environment Interaction for Fitness in Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 2316	3.8	44
24	THE CONTRIBUTION OF NEW MUTATIONS TO GENOTYPE-ENVIRONMENT INTERACTION FOR FITNESS IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 2316-2327	3.8	97
23	The nature of quantitative genetic variation revisited: lessons from Drosophila bristles. *BioEssays*, **1996**, 18, 113-21	4.1	103
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21	Effects of single P-element insertions on olfactory behavior in Drosophila melanogaster. *Genetics*, **1996**, 143, 293-301	4	99
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