Julien F Ayroles

List of Publications by Year
in descending order

35	5,652	279798	361022
papers	citations	23 h-index	35 g-index

49	49	49	7324
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Natural selection for imprecise vertical transmission in hostâ€“microbiota systems. Nature Ecology and Evolution, 2022, 6, 77-87.	7.8	31
2	Meta-analysis suggests the microbiome responds to Evolve and Resequence experiments in Drosophila melanogaster. BMC Microbiology, 2021, 21, 108.	3.3	10
3	Genetic basis of offspring numberâ€“body weight tradeoff in Drosophila melanogaster. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	5
4	The microbiome extends host evolutionary potential. Nature Communications, 2021, 12, 5141.	12.8	138
5	Ancestral polymorphisms shape the adaptive radiation ofMetrosiderosacross the Hawaiian Islands. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
6	The structure of behavioral variation within a genotype. ELife, 2021, 10, .	6.0	30
7	Socioeconomic status effects on health vary between rural and urban Turkana. Evolution, Medicine and Public Health, 2021, 9, 406-419.	2.5	7
8	The Evolution of Variance Control. Trends in Ecology and Evolution, 2020, 35, 22-33.	8.7	40
9	TM3â€™seq: A Tagmentation-Mediated 3â€™ Sequencing Approach for Improving Scalability of RNAseq Experiments. G3: Genes, Genomes, Genetics, 2020, 10, 143-150.	1.8	32
10	Urbanization and market integration have strong, nonlinear effects on cardiometabolic health in the Turkana. Science Advances, 2020, 6, .	10.3	23
11	Modeling epistasis in mice and yeast using the proportion of two or more distinct genetic backgrounds: Evidence for â€œpolygenic epistasisâ€• PLoS Genetics, 2020, 16, e1009165.	3.5	7
12	Statistical tests for detecting variance effects in quantitative trait studies. Bioinformatics, 2019, 35, 200-210.	4.1	28
13	Genetic and environmental perturbations lead to regulatory decoherence. ELife, 2019, 8, .	6.0	34
14	Supervised machine learning reveals introgressed loci in the genomes of Drosophila simulans and D. sechellia. PLoS Genetics, 2018, 14, e1007341.	3.5	97
15	Behavioral idiosyncrasy reveals genetic control of phenotypic variability. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6706-6711.	7.1	159
16	Genetic incompatibilities are widespread within species. Nature, 2013, 504, 135-137.	27.8	200
17	Using Whole-Genome Sequence Data to Predict Quantitative Trait Phenotypes in Drosophila melanogaster. PLoS Genetics, 2012, 8, e1002685.	3.5	191
18	Genomic Variation and Its Impact on Gene Expression in Drosophila melanogaster. PLoS Genetics, 2012, 8, e1003055.	3.5	102

#	Article	IF	Citations
19	The Drosophila melanogaster Genetic Reference Panel. Nature, 2012, 482, 173-178.	27.8	1,756
20	Epistasis dominates the genetic architecture of Drosophila quantitative traits. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15553-15559.	7.1	348
21	Museum genomics: lowâ€cost and highâ€accuracy genetic data from historical specimens. Molecular Ecology Resources, 2011, 11, 1082-1092.	4.8	122
22	Functional genome annotation ofDrosophilaseminal fluid proteins using transcriptional genetic networks. Genetical Research, 2011, 93, 387-395.	0.9	29
23	Systems genetics analysis of body weight and energy metabolism traits in Drosophila melanogaster. BMC Genomics, 2010, 11, 297.	2.8	84
24	Individual Variation in Pheromone Response Correlates with Reproductive Traits and Brain Gene Expression in Worker Honey Bees. PLoS ONE, 2010, 5, e9116.	2.5	54
25	Modulated Modularity Clustering as an Exploratory Tool for Functional Genomic Inference. PLoS Genetics, 2009, 5, e1000479.	3.5	118
26	Overexpression of Myocilin in the Drosophila Eye Activates the Unfolded Protein Response: Implications for Glaucoma. PLoS ONE, 2009, 4, e4216.	2.5	41
27	Alcohol Sensitivity in Drosophila: Translational Potential of Systems Genetics. Genetics, 2009, 183, 733-745.	2.9	45
28	Co-regulated transcriptional networks contribute to natural genetic variation in Drosophila sleep. Nature Genetics, 2009, 41, 371-375.	21.4	91
29	Systems genetics of complex traits in Drosophila melanogaster. Nature Genetics, 2009, 41, 299-307.	21.4	490
30	The genetics of quantitative traits: challenges and prospects. Nature Reviews Genetics, 2009, 10, 565-577.	16.3	1,061
31	A Genomewide Assessment of Inbreeding Depression: Gene Number, Function, and Mode of Action. Conservation Biology, 2009, 23, 920-930.	4.7	61
32	A transcriptional network associated with natural variation in Drosophila aggressive behavior. Genome Biology, 2009, 10, R76.	9.6	53
33	Segregating Variation in the Transcriptome: Cis Regulation and Additivity of Effects. Genetics, 2006, 173, 1347-1355.	2.9	63
34	[11] Analysis of Variance of Microarray Data. Methods in Enzymology, 2006, 411, 214-233.	1.0	29
35	Precise Quantification of Behavioral Individuality From 80 Million Decisions Across 183,000 Flies. Frontiers in Behavioral Neuroscience, 0, 16, .	2.0	7