Artyom Kopp

List of Publications by Citations

59 papers	2,842 citations	27 h-index	53 g-index
123 ext. papers	3,582 ext. citations	6.8 avg, IF	5.44 L-index

#	Paper	IF	Citations
59	Genetic control and evolution of sexually dimorphic characters in Drosophila. *Nature*, **2000**, 408, 553-9	50.4	307
58	Evolution in black and white: genetic control of pigment patterns in Drosophila. *Trends in Genetics*, **2003**, 19, 495-504	8.5	233
57	The regulation and evolution of a genetic switch controlling sexually dimorphic traits in Drosophila. *Cell*, **2008**, 134, 610-23	56.2	218
56	Dmrt genes in the development and evolution of sexual dimorphism. *Trends in Genetics*, **2012**, 28, 175-84	8.5	203
55	The making of a pest: the evolution of a fruit-penetrating ovipositor in Drosophila suzukii and related species. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132840	4.4	185
54	Extensive sex-specific nonadditivity of gene expression in Drosophila melanogaster. *Genetics*, **2004**, 167, 1791-9	4	179
53	Evolution of male sexual characters in the oriental Drosophila melanogaster species group. *Evolution & Development*, **2002**, 4, 278-91	2.6	103
52	Quantitative trait loci responsible for variation in sexually dimorphic traits in Drosophila melanogaster. *Genetics*, **2003**, 163, 771-87	4	103
51	Comparative validation of the D. melanogaster modENCODE transcriptome annotation. *Genome Research*, **2014**, 24, 1209-23	9.7	95
50	Unraveling the thread of nature's tapestry: the genetics of diversity and convergence in animal pigmentation. *Pigment Cell and Melanoma Research*, **2012**, 25, 411-33	4.5	95
49	Evolution of sex-specific traits through changes in HOX-dependent doublesex expression. *PLoS Biology*, **2011**, 9, e1001131	9.7	89
48	Metamodels and phylogenetic replication: a systematic approach to the evolution of developmental pathways. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 2771-89	3.8	74
47	Sex-specific expression of a HOX gene associated with rapid morphological evolution. *Developmental Biology*, **2007**, 311, 277-86	3.1	64
46	Evolution of gene expression in the Drosophila olfactory system. *Molecular Biology and Evolution*, **2008**, 25, 1081-92	8.3	59
45	Phylogeny of the Oriental Drosophila melanogaster species group: a multilocus reconstruction. *Systematic Biology*, **2002**, 51, 786-805	8.4	54
44	Distinct developmental mechanisms underlie the evolutionary diversification of Drosophila sex combs. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4764-9	11.5	52
43	Drosophila sex combs as a model of evolutionary innovations. *Evolution & Development*, **2011**, 13, 504-22	2.6	51

42	Evolutionary history of the Drosophila bipectinata species complex. *Genetical Research*, **2005**, 85, 23-46	1.1	51
41	Composite effects of polymorphisms near multiple regulatory elements create a major-effect QTL. *PLoS Genetics*, **2011**, 7, e1001275	6	46
40	Sex combs are important for male mating success in Drosophila melanogaster. *Behavior Genetics*, **2008**, 38, 195-201	3.2	46
39	Interactions between Drosophila and its natural yeast symbionts-Is Saccharomyces cerevisiae a good model for studying the fly-yeast relationship?. *PeerJ*, **2015**, 3, e1116	3.1	44
38	The pdm3 Locus Is a Hotspot for Recurrent Evolution of Female-Limited Color Dimorphism in Drosophila. *Current Biology*, **2016**, 26, 2412-2422	6.3	43
37	Pan-metazoan phylogeny of the DMRT gene family: a framework for functional studies. *Development Genes and Evolution*, **2014**, 224, 175-81	1.8	37
36	Basal relationships in the Drosophila melanogaster species group. *Molecular Phylogenetics and Evolution*, **2006**, 39, 787-98	4.1	36
35	Hemimetabolous insects elucidate the origin of sexual development via alternative splicing. *ELife*, **2019**, 8,	8.9	33
34	Speciation in progress? A continuum of reproductive isolation in Drosophila bipectinata. *Genetica*, **2005**, 125, 55-68	1.5	31
33	Sex- and segment-specific modulation of gene expression profiles in Drosophila. *Developmental Biology*, **2005**, 288, 528-44	3.1	29
32	Highly contiguous assemblies of 101 drosophilid genomes. *ELife*, **2021**, 10,	8.9	24
31	Historical biogeography of Drosophila simulans based on Y-chromosomal sequences. *Molecular Phylogenetics and Evolution*, **2006**, 38, 355-62	4.1	21
30	Interspecific divergence, intrachromosomal recombination, and phylogenetic utility of Y-chromosomal genes in Drosophila. *Molecular Phylogenetics and Evolution*, **2006**, 38, 731-41	4.1	20
29	Genetic Convergence in the Evolution of Male-Specific Color Patterns in Drosophila. *Current Biology* , **2016**, 26, 2423-2433	6.3	18
28	Evolution in the Drosophila ananassae species subgroup. *Fly*, **2009**, 3, 157-69	1.3	18
27	Genetic basis of sex-specific color pattern variation in Drosophila malerkotliana. *Genetics*, **2008**, 180, 421-9	4	18
26	Sex-specific repression of dachshund is required for Drosophila sex comb development. *Developmental Biology*, **2014**, 386, 440-7	3.1	16
25	Single-Molecule Sequencing of the Genome. *G3: Genes, Genomes, Genetics*, **2017**, 7, 781-788	3.2	14

24	Many ways to make a novel structure: a new mode of sex comb development in Drosophilidae. *Evolution & Development*, **2012**, 14, 476-83	2.6	11
23	Genetic basis of a violation of Dollo's Law: re-evolution of rotating sex combs in Drosophila bipectinata. *Genetics*, **2012**, 192, 1465-75	4	10
22	Modular tissue-specific regulation of underpins sexually dimorphic development in. *Development (Cambridge)*, **2019**, 146,	6.6	10
21	DrosoPhyla: Resources for Drosophilid Phylogeny and Systematics. *Genome Biology and Evolution*, **2021**, 13,	3.9	10
20	Gene co-expression modules underlying polymorphic and monomorphic zooids in the colonial hydrozoan, Hydractinia symbiolongicarpus. *Integrative and Comparative Biology*, **2014**, 54, 276-83	2.8	9
19	Evolving doublesex expression correlates with the origin and diversification of male sexual ornaments in the Drosophila immigrans species group. *Evolution & Development*, **2018**, 20, 78-88	2.6	8
18	Genomic resources for multiple species in the Drosophila ananassae species group. *Fly*, **2013**, 7, 47-57	1.3	8
17	Evolution of sexually dimorphic pheromone profiles coincides with increased number of male-specific chemosensory organs in. *Ecology and Evolution*, **2019**, 9, 13608-13618	2.8	8
16	A Distalless-responsive enhancer of the Hox gene Sex combs reduced is required for segment- and sex-specific sensory organ development in Drosophila. *PLoS Genetics*, **2018**, 14, e1007320	6	8
15	Transcriptional network structure has little effect on the rate of regulatory evolution in yeast. *Molecular Biology and Evolution*, **2012**, 29, 1899-905	8.3	7
14	Evolution of sexual development and sexual dimorphism in insects. *Current Opinion in Genetics and Development*, **2021**, 69, 129-139	4.9	7
13	A phylogeny for the Drosophila montium species group: A model clade for comparative analyses. *Molecular Phylogenetics and Evolution*, **2021**, 158, 107061	4.1	6
12	Drosophila (Sophophora) carrolli n. sp., a new species from Brunei, closely related to Drosophila (Sophophora) rhopaloa Bock Wheeler, 1972 (Diptera: Drosophilidae). *Zootaxa*, **2018**, 4434, 502-510	0.5	5
11	Sex-specific evolution of relative leg size in Drosophila prolongata results from changes in the intersegmental coordination of tissue growth. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 2281-2294	3.8	5
10	Prophenoloxidase as a reporter of gene expression in Drosophila. *BioTechniques*, **2001**, 30, 1004-6, 1008-9, 25		5
9	Contrasting patterns of sequence evolution at the functionally redundant bric-à-brac paralogs in Drosophila melanogaster. *Journal of Molecular Evolution*, **2009**, 69, 194-202	3.1	4
8	A hierarchical Bayesian mixture model for inferring the expression state of genes in transcriptomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 19339-19346	11.5	4
7	DrosoPhyla: genomic resources for drosophilid phylogeny and systematics		2

List of Publications

6	The genetics of sex: exploring differences. *Genetics*, **2014**, 197, 527-9	4	1
5	Pigmentation and mate choice in Drosophila. *Nature*, **2002**, 419, 360-360	50.4	1
4	Modular tissue-specific regulation ofdoublesexunderpins sexually dimorphic development inDrosophila		1
3	Hemimetabolous insects elucidate the origin of sexual development via alternative splicing		1
2	Evolutionary genetics: big effect of a small RNA. *Current Biology*, **2013**, 23, R247-9	6.3	
1	Evolutionary genetics: no coming back from neverland. *Current Biology*, **2012**, 22, R1004-6	6.3	