

Lino Ometto

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,021
citations

304743

22
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	Demography and Natural Selection Have Shaped Genetic Variation in <i>Drosophila melanogaster</i> : A Multi-locus Approach. <i>Genetics</i> , 2003, 165, 1269-1278.	2.9	217
2	Relaxed selection is a precursor to the evolution of phenotypic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15936-15941.	7.1	148
3	Survival and divergence in a small group: The extraordinary genomic history of the endangered Apennine brown bear stragglers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9589-E9597.	7.1	140
4	Linking Genomics and Ecology to Investigate the Complex Evolution of an Invasive <i>Drosophila</i> Pest. <i>Genome Biology and Evolution</i> , 2013, 5, 745-757.	2.5	138
5	Comparative genomics shows that viral integrations are abundant and express piRNAs in the arboviral vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>BMC Genomics</i> , 2017, 18, 512.	2.8	138
6	Inferring the Effects of Demography and Selection on <i>Drosophila melanogaster</i> Populations from a Chromosome-Wide Scan of DNA Variation. <i>Molecular Biology and Evolution</i> , 2005, 22, 2119-2130.	8.9	133
7	A chromosome-level genome assembly of <i>Cydia pomonella</i> provides insights into chemical ecology and insecticide resistance. <i>Nature Communications</i> , 2019, 10, 4237.	12.8	102
8	Multiple lines of evidence for reproductive winter diapause in the invasive pest <i>Drosophila suzukii</i> : useful clues for control strategies. <i>Journal of Pest Science</i> , 2016, 89, 689-700.	3.7	98
9	Spatiotemporal reconstruction of the <i>Aquilegia</i> rapid radiation through next-generation sequencing of rapidly evolving cpDNA regions. <i>New Phytologist</i> , 2013, 198, 579-592.	7.3	86
10	Evolution of Gene Expression in Fire Ants: The Effects of Developmental Stage, Caste, and Species. <i>Molecular Biology and Evolution</i> , 2011, 28, 1381-1392.	8.9	81
11	Large-scale spatial dynamics of <i>Drosophila suzukii</i> in Trentino, Italy. <i>Journal of Pest Science</i> , 2018, 91, 1213-1224.	3.7	78
12	The Evolution of Olfactory Gene Families in <i>Drosophila</i> and the Genomic Basis of chemical-Ecological Adaptation in <i>Drosophila suzukii</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 2297-2311.	2.5	76
13	Comparative genomic analysis of six <i>Glossina</i> genomes, vectors of African trypanosomes. <i>Genome Biology</i> , 2019, 20, 187.	8.8	71
14	Interkingdom Transfer of the Acne-Causing Agent, <i>Propionibacterium acnes</i> , from Human to Grapevine. <i>Molecular Biology and Evolution</i> , 2014, 31, 1059-1065.	8.9	54
15	Genome comparisons indicate recent transfer of <i>Wolbachia</i> between sister species <i>Drosophila suzukii</i> and <i>D. Åsubpulchrella</i> . <i>Ecology and Evolution</i> , 2017, 7, 9391-9404.	1.9	49
16	Evolution at Two Levels in Fire Ants: The Relationship between Patterns of Gene Expression and Protein Sequence Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 263-271.	8.9	46
17	Insertion/Deletion and Nucleotide Polymorphism Data Reveal Constraints in <i>Drosophila melanogaster</i> Introns and Intergenic Regions. <i>Genetics</i> , 2005, 169, 1521-1527.	2.9	43
18	<i>Drosophila</i> Evolution over Space and Time (DEST): A New Population Genomics Resource. <i>Molecular Biology and Evolution</i> , 2021, 38, 5782-5805.	8.9	37

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19	Extracting spatio-temporal patterns in animal trajectories: an ecological application of sequence analysis methods. <i>Methods in Ecology and Evolution</i> , 2016, 7, 369-379.	5.2	35
20	Evolutionary Insights into Taste Perception of the Invasive Pest <i>Drosophila suzukii</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 4185-4196.	1.8	35
21	Distinct genotypes and phenotypes in European and American strains of <i>Drosophila suzukii</i> : implications for biology and management of an invasive organism. <i>Journal of Pest Science</i> , 2020, 93, 77-89.	3.7	29
22	Teratogenic and Toxic Effects of Alcohol Ethoxylate and Alcohol Ethoxy Sulfate Surfactants on <i>Xenopus laevis</i> Embryos and Tadpoles. <i>Ecotoxicology and Environmental Safety</i> , 2001, 48, 170-177.	6.0	26
23	The discovery, distribution, and diversity of DNA viruses associated with <i>Drosophila melanogaster</i> in Europe. <i>Virus Evolution</i> , 2021, 7, veab031.	4.9	25
24	Rates of evolution in stress-related genes are associated with habitat preference in two Cardamine lineages. <i>BMC Evolutionary Biology</i> , 2012, 12, 7.	3.2	24
25	Genetic variability in Italian populations of <i>Drosophila suzukii</i> . <i>BMC Genetics</i> , 2017, 18, 87.	2.7	16
26	Polymorphism analyses and protein modelling inform on functional specialization of Piwi- Δ clade genes in the arboviral vector <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007919.	3.0	16
27	Phylogenomics of Opsin Genes in Diptera Reveals Lineage-Specific Events and Contrasting Evolutionary Dynamics in <i>Anopheles</i> and <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	16
28	Contrasting patterns of sequence divergence and base composition between <i>Drosophila</i> introns and intergenic regions. <i>Biology Letters</i> , 2006, 2, 604-607.	2.3	12
29	Demographic History, Population Structure, and Local Adaptation in Alpine Populations of Cardamine <i>impatiens</i> and Cardamine <i>resedifolia</i> . <i>PLoS ONE</i> , 2015, 10, e0125199.	2.5	10
30	Disruption of gene expression in hybrids of the fire ants <i>Solenopsis invicta</i> and <i>Solenopsis richteri</i> . <i>Molecular Ecology</i> , 2012, 21, 2488-2501.	3.9	6
31	Linking omics and ecology to dissect interactions between the apple proliferation phytoplasma and its psyllid vector <i>Cacopsylla melanoneura</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103474.	2.7	5
32	Viviparity and habitat restrictions may influence the evolution of male reproductive genes in tsetse fly (<i>Glossina</i>) species. <i>BMC Biology</i> , 2021, 19, 211.	3.8	5
33	Selective Sweep in the Flotillin-2 Region of European <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e56629.	2.5	4
34	The Impact of Fast Radiation on the Phylogeny of <i>Bactrocera</i> Fruit Flies as Revealed by Multiple Evolutionary Models and Mutation Rate-Calibrated Clock. <i>Insects</i> , 2022, 13, 603.	2.2	4