

Anna Rodolfa Malacrida

List of Publications by Year in descending order

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54
papers

2,353
citations

186209
28
h-index

214721
47
g-index

54
all docs

54
docs citations

54
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of the Tsetse Fly (<i>Glossina morsitans</i>): Vector of African Trypanosomiasis. <i>Science</i> , 2014, 344, 380-386.	6.0	254
2	Globalization and fruitfly invasion and expansion: the medfly paradigm. <i>Genetica</i> , 2007, 131, 1-9.	0.5	225
3	Genetic evidence for a worldwide chaotic dispersion pattern of the arbovirus vector, <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005332.	1.3	93
4	Genetic differentiation, gene flow and the origin of infestations of the medfly, <i>Ceratitis capitata</i> . <i>Genetica</i> , 2002, 116, 125-135.	0.5	92
5	Inferences on the population structure and colonization process of the invasive oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Molecular Ecology</i> , 2007, 16, 3522-3532.	2.0	88
6	Microsatellite analysis of medfly bioinfestations in California. <i>Molecular Ecology</i> , 2001, 10, 2515-2524.	2.0	84
7	On the origins of medfly invasion and expansion in Australia. <i>Molecular Ecology</i> , 2004, 13, 3845-3855.	2.0	77
8	Transcriptome Profiling of Sexual Maturation and Mating in the Mediterranean Fruit Fly, <i>Ceratitis capitata</i> . <i>PLoS ONE</i> , 2012, 7, e30857.	1.1	77
9	Genetic aspects of the worldwide colonization process of <i>Ceratitis capitata</i> . <i>Journal of Heredity</i> , 1998, 89, 501-507.	1.0	75
10	Microsatellite polymorphism in the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>Insect Molecular Biology</i> , 2000, 9, 251-261.	1.0	71
11	Molecular markers for analyses of intraspecific genetic diversity in the Asian Tiger mosquito, <i>Aedes albopictus</i> . <i>Parasites and Vectors</i> , 2015, 8, 188.	1.0	65
12	Uncovering the tracks of a recent and rapid invasion: the case of the fruit fly pest <i>Bactrocera invadens</i> (Diptera: Tephritidae) in Africa. <i>Molecular Ecology</i> , 2009, 18, 4798-4810.	2.0	64
13	Presence of Extensive Wolbachia Symbiont Insertions Discovered in the Genome of Its Host <i>Glossina morsitans morsitans</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2728.	1.3	64
14	Identification of pheromone components and their binding affinity to the odorant binding protein CcapOBP83a-2 of the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 48, 51-62.	1.2	62
15	The Worldwide Spread of the Tiger Mosquito as Revealed by Mitogenome Haplogroup Diversity. <i>Frontiers in Genetics</i> , 2016, 7, 208.	1.1	54
16	Unravelling the relationship between the tsetse fly and its obligate symbiont <i>Wigglesworthia</i> : transcriptomic and metabolomic landscapes reveal highly integrated physiological networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170360.	1.2	53
17	Population genetics of the potentially invasive African fruit fly species, <i>Ceratitis rosa</i> and <i>Ceratitis fasciventris</i> (Diptera: Tephritidae). <i>Molecular Ecology</i> , 2004, 13, 683-695.	2.0	47
18	Diffusion of the Nearctic leafhopper <i>Scaphoideus titanus</i> Ball in Europe: a consequence of human trading activity. <i>Genetica</i> , 2007, 131, 275-285.	0.5	47

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19	Molecular differentiation of the Old World <i>Culicoides imicola</i> species complex (Diptera.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> 2001, 10, 1773-1786.	2.0	46
20	Transcriptional Profiles of Mating-Responsive Genes from Testes and Male Accessory Glands of the Mediterranean Fruit Fly, <i>Ceratitis capitata</i> . <i>PLoS ONE</i> , 2012, 7, e46812.	1.1	40
21	Intron size polymorphism of the <i>Adh1</i> gene parallels the worldwide colonization history of the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>Molecular Ecology</i> , 1998, 7, 1729-1741.	2.0	39
22	A New Basal Subfamily of mariner Elements in <i>Ceratitis rosa</i> and Other Tephritid Flies. <i>Journal of Molecular Evolution</i> , 2001, 53, 597-606.	0.8	39
23	Vector competence of <i>Aedes albopictus</i> populations for chikungunya virus is shaped by their demographic history. <i>Communications Biology</i> , 2020, 3, 326.	2.0	39
24	Sniffing Out Chemosensory Genes from the Mediterranean Fruit Fly, <i>Ceratitis capitata</i> . <i>PLoS ONE</i> , 2014, 9, e85523.	1.1	37
25	Safe and fit genetically modified insects for pest control: from lab to field applications. <i>Genetica</i> , 2011, 139, 41-52.	0.5	35
26	A draft genome sequence of an invasive mosquito: an Italian <i>Aedes albopictus</i> . <i>Pathogens and Global Health</i> , 2015, 109, 207-220.	1.0	35
27	<i>Cmar1</i> , a full-length mariner element from the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>Insect Molecular Biology</i> , 1997, 6, 241-253.	1.0	31
28	Sperm storage and use in polyandrous females of the globally invasive fruitfly, <i>Ceratitis capitata</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 1542-1551.	0.9	30
29	The utility of microsatellite DNA markers for the evaluation of area-wide integrated pest management using SIT for the fruit fly, <i>Bactrocera dorsalis</i> (Hendel), control programs in Thailand. <i>Genetica</i> , 2011, 139, 129-140.	0.5	27
30	The oriental fruitfly <i>Bactrocera dorsalis</i> s.s. in East Asia: disentangling the different forces promoting the invasion and shaping the genetic make-up of populations. <i>Genetica</i> , 2014, 142, 201-213.	0.5	27
31	Evolution of different subfamilies of mariner elements within the medfly genome inferred from abundance and chromosomal distribution. <i>Chromosoma</i> , 2000, 108, 523-532.	1.0	26
32	Comparative analysis of microsatellite loci in four fruit fly species of the genus <i>Ceratitis</i> (Diptera:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 2001, 10, 1773-1786.	0.5	26
33	Microsatellite markers from the 'South American fruit fly' <i>Anastrepha fraterculus</i> : a valuable tool for population genetic analysis and SIT applications. <i>BMC Genetics</i> , 2014, 15, S13.	2.7	25
34	Estimating the risk of arbovirus transmission in Southern Europe using vector competence data. <i>Scientific Reports</i> , 2019, 9, 17852.	1.6	25
35	Polyandry Is a Common Event in Wild Populations of the Tsetse Fly <i>Glossina fuscipes fuscipes</i> and May Impact Population Reduction Measures. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1190.	1.3	23
36	Relevant genetic differentiation among Brazilian populations of <i>Anastrepha fraterculus</i> (Diptera.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 2001, 10, 1773-1786.	0.5	23

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37	Sperm-less males modulate female behaviour in <i>Ceratitis capitata</i> (Diptera: Tephritidae). <i>Insect Biochemistry and Molecular Biology</i> , 2016, 79, 13-26.	1.2	22
38	Evidence for a genetic duplication involving alcohol dehydrogenase genes in <i>Ceratitis capitata</i> . <i>Biochemical Genetics</i> , 1992, 30, 35-48.	0.8	21
39	Highly similar <i>piggyBac</i> transposase-like sequences from various <i>Bactrocera</i> (Diptera.) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	1.0	19
40	Characterization and Evolution of mariner Elements from Closely Related Species of Fruit Flies (Diptera: Tephritidae). <i>Journal of Molecular Evolution</i> , 1998, 46, 288-298.	0.8	16
41	Medfly transposable elements: diversity, evolution, genomic impact and possible applications. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 139-148.	1.2	15
42	RAPD analysis in the parasitoid wasp <i>Psytalia concolor</i> reveals Mediterranean population structure and provides SCAR markers. <i>Biological Control</i> , 2008, 47, 22-27.	1.4	15
43	Cchobo, a hobo-related sequence in <i>Ceratitis capitata</i> . <i>Genetica</i> , 2005, 123, 313-325.	0.5	12
44	Interchromosomal Duplications on the <i>Bactrocera oleae</i> Y Chromosome Imply a Distinct Evolutionary Origin of the Sex Chromosomes Compared to <i>Drosophila</i> . <i>PLoS ONE</i> , 2011, 6, e17747.	1.1	12
45	Mature and developing visual system of <i>Ceratitis capitata</i> (Diptera, Tephritidae): histochemical evidence of nitric oxide synthase in the wild type and the white eye mutant strains. <i>Brain Research</i> , 1999, 843, 1-11.	1.1	9
46	Insect transgenesis applied to tephritid pest control. <i>Journal of Applied Entomology</i> , 2008, 132, 820-831.	0.8	9
47	Symbiotic microbes affect the expression of male reproductive genes in <i>Glossina m. morsitans</i> . <i>BMC Microbiology</i> , 2018, 18, 169.	1.3	9
48	Bacterial Symbionts of Tsetse Flies: Relationships and Functional Interactions Between Tsetse Flies and Their Symbionts. <i>Results and Problems in Cell Differentiation</i> , 2020, 69, 497-536.	0.2	9
49	Area effect in south western European green frogs (Amphibia, Ranidae). <i>Bollettino Di Zoologia</i> , 1986, 53, 97-109.	0.3	5
50	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.	1.7	5
51	6PGD in the housefly. <i>Journal of Heredity</i> , 1982, 73, 349-352.	1.0	4
52	Cell death may regulate visual functionality in the retina of adults of the dipteran <i>Ceratitis capitata</i> . <i>Neuroscience Letters</i> , 2002, 317, 156-160.	1.0	3
53	Electrophysiological Responses of the Mediterranean Fruit Fly, <i>Ceratitis capitata</i> , to the Cera Trap [®] Lure: Exploring Released Antennally-Active Compounds. <i>Journal of Chemical Ecology</i> , 2021, 47, 265-279.	0.9	2
54	Nitric oxide synthase-like and calmodulin-like immunoreactivity in the visual system of wild type and white eye mutant strains of <i>Ceratitis capitata</i> (Diptera, Tephritidae). <i>Italian Journal of Zoology</i> , 2002, 69, 285-294.	0.6	1