Antigone zacharopoulou

List of Publications by Year
in descending order

61 papers	1,747 citations	304743 22 h-index	315739 38 g-index
62 all docs	62 docs citations	62 times ranked	1042 citing authors

#	Article	IF	Citations
1	Synonymization of key pest species within the <scp>B</scp>actrocera dorsalis species complex (<scp>D</scp>iptera: <scp>T</scp>ephritidae): taxonomic changes based on a review of 20â€‰years of integrative morphological, molecular, cytogenetic, behavioural and chemoecological data. Systematic Entomology, 2015, 40, 456-471.	3.9	175
2	The whole genome sequence of the Mediterranean fruit fly, Ceratitis capitata (Wiedemann), reveals insights into the biology and adaptive evolution of a highly invasive pest species. Genome Biology, 2016, 17, 192.	8.8	130
3	Conditional embryonic lethality to improve the sterile insect technique in Ceratitis capitata(Diptera:) Tj ETQq1 1 0.784314 rgBT /Over	3.8	104
4	The white Gene of Ceratitis capitata: A Phenotypic Marker for Germline Transformation. Science, 1995, 270, 2005-2008.	12.6	98
5	Incipient speciation revealed in Anastrepha fraterculus (Diptera; Tephritidae) by studies on mating compatibility, sex pheromones, hybridization, and cytology. Biological Journal of the Linnean Society, 0, 97, 152-165.	1.6	89
6	Polytene chromosome maps in the Medfly Ceratitis capitata. Genome, 1990, 33, 184-197.	2.0	84
7	The genome of the Mediterranean fruitflyceratitis capitata: Localization of molecular markers by in situ hybridization to salivary gland polytene chromosomes. Chromosoma, 1992, 101, 448-455.	2.2	77
8	Cytogenetic analysis of mitotic and salivary gland chromosomes in the Medfly Ceratitis capitata. Genome, 1987, 29, 67-71.	2.0	66
9	Microsatellite Analysis of Olive Fly Populations in the Mediterranean Indicates a Westward Expansion of the Species. Genetica, 2005, 125, 231-241.	1.1	54
10	Development, genetic and cytogenetic analyses of genetic sexing strains of the Mexican fruit fly, Anastrepha ludens Loew (Diptera: Tephritidae). BMC Genetics, 2014, 15, S1.	2.7	49
11	Mitotic and polytene chromosome analysis in Dacus oleae (Diptera: Tephritidae). Genome, 1992, 35, 373-378.	2.0	42
12	<scp>C</scp>eratitis capitata genetic sexing strains: laboratory evaluation of strains from massâ€rearing facilities worldwide. Entomologia Experimentalis Et Applicata, 2017, 164, 305-317.	1.4	41
13	Mitotic and polytene chromosome analyses in the Queensland fruit fly,Bactrocera tryoni(Diptera: Tephritidae). Genome, 1998, 41, 510-526.	2.0	39
14	Polymorphic microsatellite markers in the olive fly, Bactrocera oleae. Molecular Ecology Notes, 2002, 2, 278-280.	1.7	30
15	A review of more than 30Âyears of cytogenetic studies of <scp>T</scp>ephritidae in support of sterile insect technique and global trade. Entomologia Experimentalis Et Applicata, 2017, 164, 204-225.	1.4	29
16	Isolation and characterization of microsatellite markers from the olive fly, Bactrocera oleae, and their cross-species amplification in the Tephritidae family. BMC Genomics, 2008, 9, 618.	2.8	28
17	Cytogenetic analysis of three genetic sexing strains of Ceratitits capitata. Theoretical and Applied Genetics, 1990, 80, 177-182.	3.6	27
18	Polytene chromosomes as tools in the genetic analysis of the Mediterranean fruit fly, Ceratitis capitata. Genetica, 2002, 116, 59-71.	1.1	27

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19	An integrated genetic and cytogenetic map for the Mediterranean fruit fly, Ceratitis capitata, based on microsatellite and morphological markers. Genetica, 2008, 133, 147-157.	1.1	24
20	Mitotic and polytene chromosome analysis in the Mexican fruit fly,Anastrepha ludens(Loew) (Diptera: Tephritidae). Genome, 2009, 52, 20-30.	2.0	24
21	Inter-tissue variability of polytene chromosome banding patterns. Trends in Genetics, 1988, 4, 90-91.	6.7	23
22	Mitotic and polytene chromosomes analysis of the oriental fruit fly, Bactrocera dorsalis (Hendel) (Diptera: Tephritidae). Genetica, 2011, 139, 79-90.	1.1	23
23	Cloning and characterization of CcEcR. An ecdysone receptor homolog from the Mediterranean fruit fly Ceratitis capitata. FEBS Journal, 1999, 265, 798-808.	0.2	22
24	The Bactrocera dorsalis species complex: comparative cytogenetic analysis in support of Sterile Insect Technique applications. BMC Genetics, 2014, 15, S16.	2.7	22
25	Evidence for a genetic duplication involving alcohol dehydrogenase genes inCeratitis capitata. Biochemical Genetics, 1992, 30, 35-48.	1.7	21
26	Evaluation of the activities of the medfly and Drosophila hsp70 promoters in vivo in germ-line transformed medflies. Insect Molecular Biology, 2006, 15, 373-382.	2.0	21
27	The genome of the olive fruit flyBactrocera oleae: localization of molecular markers by in situ hybridization to the salivary gland polytene chromosomes. Genome, 1999, 42, 744-751.	2.0	20
28	Mitotic and polytene chromosome analyses in the Queensland fruit fly, Bactrocera tryoni (Diptera: Tephritidae). Genome, 1998, 41, 510-526.	2.0	20
29	Cytogenetic and symbiont analysis of five members of the B. dorsalis complex (Diptera, Tephritidae): no evidence of chromosomal or symbiont-based speciation events. ZooKeys, 2015, 540, 273-298.	1.1	19
30	Site-specific breaks induced by the male recombination factor 23.5 MRF in Drosophila melanogaster. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1983, 108, 185-202.	1.0	18
31	The construction of the first balancer chromosome for the Mediterranean fruit fly, Ceratitis capitata. Molecular Genetics and Genomics, 2000, 264, 127-136.	2.4	18
32	The chromosomes and the mitogenome of Ceratitis fasciventris (Diptera: Tephritidae): two genetic approaches towards the Ceratitis FAR species complex resolution. Scientific Reports, 2017, 7, 4877.	3.3	18
33	Seasonal and year-to-year inversion polymorphism in a Southern Greek drosophila melanogaster wild population. Genetica, 1980, 54, 105-111.	1.1	17
34	Studies on the chromosomal rearrangements induced by the male recombination factor 31.1 MRF in Drosophila melanogaster. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1980, 73, 81-92.	1.0	16
35	A comparison of polytene chromosomes in salivary glands and orbital bristle trichogen cells in Ceratitis capitata. Genome, 1991, 34, 215-219.	2.0	15
36	Electron microscope investigation of polytene chromosomes in the Mediterranean fruit fly Ceratitis capitata. Genome, 1995, 38, 652-660.	2.0	15

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37	Isolation and characterization of microsatellite markers from the Mediterranean fruit fly, Ceratitis capitata: cross-species amplification in other Tephritidae species reveals a varying degree of transferability. Molecular Genetics and Genomics, 2009, 282, 283-306.	2.1	15
38	Analysis of Mitotic and Polytene Chromosomes and Photographic Polytene Chromosome Maps in Bactrocera cucurbitae (Diptera: Tephritidae). Annals of the Entomological Society of America, 2011, 104, 306-318.	2.5	15
39	Genetic and Cytogenetic Characterization of Genetic Sexing Strains of <I>Bactrocera dorsalis</I> and <I>Bactrocera cucurbitae</I> (Diptera: Tephritidae). Journal of Economic Entomology, 2013, 106, 995-1003.	1.8	15
40	The genome of the olive fruit fly Bactrocera oleae: localization of molecular markers by in situ hybridization to the salivary gland polytene chromosomes. Genome, 1999, 42, 744-751.	2.0	14
41	Mitotic and polytene chromosome analyses in the Queensland fruit fly, Bactrocera tryoni (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	14
42	Cytogenetic characterization of a genetic sexing strain in Ceratitis capitata. Genome, 1991, 34, 606-611.	2.0	12
43	The Complete Mitochondrial Genome of Bactrocera carambolae (Diptera: Tephritidae): Genome Description and Phylogenetic Implications. Insects, 2019, 10, 429.	2.2	12
44	Ceratotoxins: Female-specific X-linked genes from the medfly,Ceratitis capitata. Genome, 2000, 43, 707-711.	2.0	11
45	Identification and partial characterization of a new Ceratitis capitata-specific 44-bp pericentromeric repeat. Chromosome Research, 2002, 10, 287-295.	2.2	10
46	Ceratotoxins: Female-specific X-linked genes from the medfly, Ceratitis capitata. Genome, 2000, 43, 707-711.	2.0	9
47	Photographic polytene chromosome maps forGlossina morsitans submorsitans(Diptera: Glossinidae): cytogenetic analysis of a colony with sex-ratio distortion. Genome, 2002, 45, 871-880.	2.0	8
48	Polytene chromosome maps in four species of tsetse flies Glossina austeni, G. pallidipes, G. morsitans morsitans and G. m. submorsitans (Diptera: Glossinidae): a comparative analysis. Genetica, 2007, 129, 243-251.	1.1	8
49	Cryopreservation of Embryos of the Mediterranean Fruit Fly Ceratitis capitata Vienna 8 Genetic Sexing Strain. PLoS ONE, 2016, 11, e0160232.	2.5	7
50	Structural characterization of the medfly hsp83 gene and functional analysis of its proximal promoter region in vivo by germâ€line transformation. Archives of Insect Biochemistry and Physiology, 2008, 67, 20-35.	1.5	6
51	Cytogenetic Analysis of the South American Fruit Fly Anastrepha fraterculus (Diptera:Tephritidae) Species Complex: Construction of Detailed Photographic Polytene Chromosome Maps of the Argentinian Af. sp.1 Member. PLoS ONE, 2016, 11, e0157192.	2.5	6
52	A Novel Genetic Sexing Strain of Anastrepha ludens for Cost-Effective Sterile Insect Technique Applications: Improved Genetic Stability and Rearing Efficiency. Insects, 2021, 12, 499.	2.2	6
53	Achilles, a New Family of Transcriptionally Active Retrotransposons from the Olive Fruit Fly, with Y Chromosome Preferential Distribution. PLoS ONE, 2015, 10, e0137050.	2.5	6
54	Recovery of a marked translocation strain that will facilitate the isolation of balancer chromosomes in the Mediterranean fruit fly, Ceratitis capitata. Genome, 1998, 41, 256-265.	2.0	5

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55	Development and characterization of a pupal-colour based genetic sexing strain of Anastrepha fraterculus sp. 1 (Diptera: Tephritidae). BMC Genetics, 2020, 21, 134.	2.7	5
56	Ceratotoxins: female-specific X-linked genes from the medfly, Ceratitis capitata. Genome, 2000, 43, 707-11.	2.0	5
57	The Chromosomes of Zeugodacus tau and Zeugodacus cucurbitae: A Comparative Analysis. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	5
58	Tephritid Fruit Flies (Diptera). , 2014, , 1-62.		3
59	The chromosomes of Drosophila suzukii (Diptera: Drosophilidae): detailed photographic polytene chromosomal maps and in situ hybridization data. Molecular Genetics and Genomics, 2019, 294, 1535-1546.	2.1	2
60	Genetic studies of a cytoplasmic suppressor which inactivates the male recombination factor 31Â·1 MRF in Drosophila melanogaster. Heredity, 1982, 49, 235-241.	2.6	1
61	Recovery of a marked translocation strain that will facilitate the isolation of balancer chromosomes in the Mediterranean fruit fly, Ceratitis capitata. Genome, 1998, 41, 256-265.	2.0	1