Gianfranco Anfora

List of Publications by Year in descending order

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111 papers

5,763 citations

43 h-index 70 g-index

116 all docs

116 docs citations

116 times ranked

3875 citing authors

#	Article	IF	CITATIONS
1	Semiochemicals, semiophysicals and their integration for the development of innovative multi-modal systems for agricultural pests' monitoring and control. Entomologia Generalis, 2022, 42, 167-183.	3.1	23
2	Chemosensory Receptors in the Larval Maxilla of Papilio hospiton. Frontiers in Ecology and Evolution, 2022, 9, .	2.2	6
3	Genomic Designing for Biotic Stress Resistant Grapevine. , 2022, , 87-255.		11
4	Attraction of Egg Parasitoids Trissolcus mitsukurii and Trissolcus japonicus to the chemical cues of Halyomorpha halys and Nezara viridula. Insects, 2022, 13, 439.	2.2	8
5	Liquid Baits with Oenococcus oeni Increase Captures of Drosophila suzukii. Insects, 2021, 12, 66.	2.2	7
6	Selection of Lactic Acid Bacteria Species and Strains for Efficient Trapping of Drosophila suzukii. Insects, 2021, 12, 153.	2.2	8
7	Electrophysiological Responses of the Mediterranean Fruit Fly, Ceratitis capitata, to the Cera Trap® Lure: Exploring Released Antennally-Active Compounds. Journal of Chemical Ecology, 2021, 47, 265-279.	1.8	2
8	Vibrational communication and mating behavior of the greenhouse whitefly Trialeurodes vaporariorum (Westwood) (Hemiptera: Aleyrodidae). Scientific Reports, 2021, 11, 6543.	3.3	10
9	Behavioral Manipulation for Pest Control. Insects, 2021, 12, 287.	2.2	6
10	Assessing the Distribution of Exotic Egg Parasitoids of Halyomorpha halys in Europe with a Large-Scale Monitoring Program. Insects, 2021, 12, 316.	2.2	33
11	Trissolcus japonicus foraging behavior: Implications for host preference and classical biological control. Biological Control, 2021, 161, 104700.	3.0	15
12	<i>Drosophila suzukii</i> (Diptera: Drosophilidae): A Decade of Research Towards a Sustainable Integrated Pest Management Program. Journal of Economic Entomology, 2021, 114, 1950-1974.	1.8	113
13	Reduction of Post-Harvest Injuries Caused by Drosophila suzukii in Some Cultivars of Sweet Cherries Using a High Carbon Dioxide Level and Cold Storage. Insects, 2021, 12, 1009.	2.2	3
14	Importance of psyllids' life stage in the epidemiology of apple proliferation phytoplasma. Journal of Pest Science, 2020, 93, 49-61.	3.7	10
15	Distinct genotypes and phenotypes in European and American strains of Drosophila suzukii: implications for biology and management of an invasive organism. Journal of Pest Science, 2020, 93, 77-89.	3.7	29
16	Linking omics and ecology to dissect interactions between the apple proliferation phytoplasma and its psyllid vector Cacopsylla melanoneura. Insect Biochemistry and Molecular Biology, 2020, 127, 103474.	2.7	5
17	Structural and transcriptional evidence of mechanotransduction in the Drosophila suzukii ovipositor. Journal of Insect Physiology, 2020, 125, 104088.	2.0	22
18	Assemblage of the Egg Parasitoids of the Invasive Stink Bug Halyomorpha halys: Insights on Plant Host Associations. Insects, 2020, 11, 588.	2.2	19

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19	Effect of deltamethrinâ€incorporated nets on mobility and survivorship of Halyomorpha halys (Hemiptera: Pentatomidae) adults and nymphs in the laboratory. Journal of Applied Entomology, 2020, 144, 589-597.	1.8	2
20	Reproductive Site Selection: Evidence of an Oviposition Cue in a Highly Adaptive Dipteran, <i>Drosophila suzukii</i> (Diptera: Drosophilidae). Environmental Entomology, 2020, 49, 355-363.	1.4	30
21	Drosophila suzukii daily dispersal between distinctly different habitats. Entomologia Generalis, 2020, 40, 25-37.	3.1	25
22	Biological control of Drosophila suzukii: Efficacy of parasitoids, entomopathogenic fungi, nematodes and deterrents of oviposition in laboratory assays. Crop Protection, 2019, 125, 104897.	2.1	18
23	Footprints and Ootheca of Lycorma delicatula Influence Host-Searching and -Acceptance of the Egg-Parasitoid Anastatus orientalis. Environmental Entomology, 2019, 48, 1270-1276.	1.4	12
24	Live Traps for Adult Brown Marmorated Stink Bugs. Insects, 2019, 10, 376.	2.2	18
25	A chromosome-level genome assembly of Cydia pomonella provides insights into chemical ecology and insecticide resistance. Nature Communications, 2019, 10, 4237.	12.8	102
26	The Competitive Mating of Irradiated Brown Marmorated Stink Bugs, Halyomorpha halys, for the Sterile Insect Technique. Insects, 2019, 10, 411.	2.2	18
27	Trapping Brown Marmorated Stink Bugs: "The Nazgȗl―Lure and Kill Nets. Insects, 2019, 10, 433.	2.2	1
28	Monitoring 2.0: Update on the Halyomorpha halys Invasion of Trentino. ISPRS International Journal of Geo-Information, 2019, 8, 564.	2.9	4
29	Functional transcriptome analyses of Drosophila suzukii antennae reveal mating-dependent olfaction plasticity in females. Insect Biochemistry and Molecular Biology, 2019, 105, 51-59.	2.7	40
30	Augmentative releases of Trichopria drosophilae for the suppression of early season Drosophila suzukii populations. BioControl, 2019, 64, 9-19.	2.0	62
31	Sex Pheromones of Two Leafminer Species, Antispila oinophylla and Holocacista rivillei (Lepidoptera:) Tj $$ ETQq 1 1	0.784314 1.8	rgBT /Overl
32	Mating Disruption by Vibrational Signals: State of the Field and Perspectives. Animal Signals and Communication, 2019, , 331-354.	0.8	16
33	Drosophila suzukii (Diptera: Drosophilidae) Contributes to the Development of Sour Rot in Grape. Journal of Economic Entomology, 2018, 111, 283-292.	1.8	48
34	Susceptibility of table grape varieties grown in southâ€eastern Italy to <i>Drosophila suzukii</i> . Journal of Applied Entomology, 2018, 142, 465-472.	1.8	26
35	Adjusting the scent ratio: using genetically modified <i>Vitis vinifera</i> plants to manipulate European grapevine moth behaviour. Plant Biotechnology Journal, 2018, 16, 264-271.	8.3	46
36	Comparison of attractants for monitoring <i>Drosophila suzukii</i> in sweet cherry orchards in Italy. Journal of Applied Entomology, 2018, 142, 18-25.	1.8	36

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37	Host location and dispersal ability of the cosmopolitan parasitoid Trichopria drosophilae released to control the invasive spotted wing Drosophila. Biological Control, 2018, 117, 188-196.	3.0	58
38	Coupling Traditional Monitoring and Citizen Science to Disentangle the Invasion of Halyomorpha halys. ISPRS International Journal of Geo-Information, 2018, 7, 171.	2.9	26
39	Large-scale spatial dynamics of Drosophila suzukii in Trentino, Italy. Journal of Pest Science, 2018, 91, 1213-1224.	3.7	78
40	Optimized timing of parasitoid release: a mathematical model for biological control of Drosophila suzukii. Theoretical Ecology, 2018, 11, 489-501.	1.0	32
41	Candidate pheromone receptors of codling moth Cydia pomonella respond to pheromones and kairomones. Scientific Reports, 2017, 7, 41105.	3.3	54
42	Use of substrate-borne vibrational signals to attract the Brown Marmorated Stink Bug, Halyomorpha halys. Journal of Pest Science, 2017, 90, 1219-1229.	3.7	53
43	A critical review of plant protection tools for reducing pesticide use on grapevine and new perspectives for the implementation of IPM in viticulture. Crop Protection, 2017, 97, 70-84.	2.1	272
44	The insect vector <i>Cacopsylla picta</i> vertically transmits the bacterium <i>Candidatus</i> Phytoplasma mali' to its progeny. Plant Pathology, 2017, 66, 1015-1021.	2.4	21
45	Comparative life history traits of indigenous Italian parasitoids of Drosophila suzukii and their effectiveness at different temperatures. Biological Control, 2017, 112, 20-27.	3.0	58
46	Genome comparisons indicate recent transfer of <scp><i>w</i>R</scp> iâ€like <i>Wolbachia</i> between sister species <i>Drosophila suzukii</i> and <i>D.Âsubpulchrella</i> Ecology and Evolution, 2017, 7, 9391-9404.	1.9	49
47	Genetic variability in Italian populations of Drosophila suzukii. BMC Genetics, 2017, 18, 87.	2.7	16
48	Fat storage in Drosophila suzukii is influenced by different dietary sugars in relation to their palatability. PLoS ONE, 2017, 12, e0183173.	2.5	21
49	Evolutionary Insights into Taste Perception of the Invasive Pest <i>Drosophila suzukii</i> . G3: Genes, Genomes, Genetics, 2016, 6, 4185-4196.	1.8	35
50	Multiple lines of evidence for reproductive winter diapause in the invasive pest Drosophila suzukii: useful clues for control strategies. Journal of Pest Science, 2016, 89, 689-700.	3.7	98
51	Drosophila suzukii population response to environment and management strategies. Journal of Pest Science, 2016, 89, 653-665.	3.7	90
52	TRPA5, an Ankyrin Subfamily Insect TRP Channel, is Expressed in Antennae of <i>Cydia pomonella </i> (Lepidoptera: Tortricidae) in Multiple Splice Variants. Journal of Insect Science, 2016, 16, 83.	1.5	13
53	Homologous and heterologous expression of grapevine E-(\hat{l}^2)-caryophyllene synthase (VvGwECar2). Phytochemistry, 2016, 131, 76-83.	2.9	12
54	The Evolution of Olfactory Gene Families in <i>Drosophila</i> and the Genomic Basis of chemical-Ecological Adaptation in <i>Drosophila suzukii</i> . Genome Biology and Evolution, 2016, 8, 2297-2311.	2.5	76

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55	Wolbachia in European Populations of the Invasive Pest Drosophila suzukii: Regional Variation in Infection Frequencies. PLoS ONE, 2016, 11, e0147766.	2.5	37
56	Understanding West Nile virus ecology in Europe: Culex pipiens host feeding preference in a hotspot of virus emergence. Parasites and Vectors, 2015, 8, 213.	2.5	95
57	A Conserved Odorant Receptor Detects the Same 1-Indanone Analogs in a Tortricid and a Noctuid Moth. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	24
58	Drosophila suzukii (Diptera: Drosophilidae) and its Potential Impact to Wine Grapes During Harvest in Two Cool Climate Wine Grape Production Regions. Journal of Economic Entomology, 2015, 108, 1148-1155.	1.8	120
59	Asymmetric neural coding revealed by <i>in vivo</i> calcium imaging in the honey bee brain. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142571.	2.6	43
60	Manipulating behaviour with substrate $\hat{a} \in b$ orne vibrations $\hat{a} \in b$ or potential for insect pest control. Pest Management Science, 2015, 71, 15-23.	3.4	87
61	Host stage preference, efficacy and fecundity of parasitoids attacking Drosophila suzukii in newly invaded areas. Biological Control, 2015, 84, 28-35.	3.0	111
62	Sexual Behavior of Drosophila suzukii. Insects, 2015, 6, 183-196.	2.2	76
63	Invasion biology of spotted wing Drosophila (Drosophila suzukii): a global perspective and future priorities. Journal of Pest Science, 2015, 88, 469-494.	3.7	711
64	Loss of <i>Drosophila</i> pheromone reverses its role in sexual communication in <idrosophila i="" suzukii<="">. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143018.</idrosophila>	2.6	70
65	Olfactory responses of <i><scp>D</scp>rosophila suzukii</i> females to host plant volatiles. Physiological Entomology, 2015, 40, 54-64.	1.5	87
66	Un nuovo ed efficace attrattivo per la cattura di Drosophila Suzukii basato su ceppi di oenococcus oeni. , 2015 , , .		0
67	Integrating Temperature-Dependent Life Table Data into a Matrix Projection Model for Drosophila suzukii Population Estimation. PLoS ONE, 2014, 9, e106909.	2.5	124
68	Response of the <scp>E</scp> uropean <scp>g</scp> rapevine <scp>m</scp> oth <i>Lobesia botrana</i> to somatosensoryâ€active volatiles emitted by the nonâ€host plant <i>Perilla frutescens</i> . Physiological Entomology, 2014, 39, 229-236.	1.5	11
69	Disruption of Phthorimaea operculella (Lepidoptera: Gelechiidae) oviposition by the application of host plant volatiles. Pest Management Science, 2014, 70, 628-635.	3.4	27
70	The Bee as a Model to Investigate Brain and Behavioural Asymmetries. Insects, 2014, 5, 120-138.	2.2	44
71	Perching Mate-Locating Strategy in <i>Paysandisia archon</i> (Lepidoptera: Castniidae): Behavioral and Morpho-Physiological Investigations. Journal of Economic Entomology, 2014, 107, 1009-1021.	1.8	9
72	Interkingdom Transfer of the Acne-Causing Agent, Propionibacterium acnes, from Human to Grapevine. Molecular Biology and Evolution, 2014, 31, 1059-1065.	8.9	54

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73	The process of pair formation mediated by substrate-borne vibrations in a small insect. Behavioural Processes, 2014, 107, 68-78.	1.1	47
74	A predicted sex pheromone receptor of codling moth Cydia pomonella detects the plant volatile pear ester. Frontiers in Ecology and Evolution, 2014, 2, .	2.2	50
75	Behavioral and electrophysiological responses of the parasitic wasp Psyttalia concolor (Szépligeti) (Hymenoptera: Braconidae) to Ceratitis capitata-induced fruit volatiles. Biological Control, 2013, 64, 116-124.	3.0	44
76	Drosophila suzukii. Current Biology, 2013, 23, R8-R9.	3.9	137
77	Neural coding merges sex and habitat chemosensory signals in an insect herbivore. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130267.	2.6	56
78	Draft Genome Sequence of the <i>Wolbachia</i> Endosymbiont of <i>Drosophila suzukii</i> Genome Announcements, 2013, 1, .	0.8	37
79	Linking Genomics and Ecology to Investigate the Complex Evolution of an Invasive Drosophila Pest. Genome Biology and Evolution, 2013, 5, 745-757.	2.5	138
80	Substrate Vibrations during Courtship in Three Drosophila species. PLoS ONE, 2013, 8, e80708.	2.5	53
81	Identification of sex pheromone components in Trissolcus brochymenae females. Journal of Insect Physiology, 2012, 58, 1635-1642.	2.0	8
82	Perception of Host Plant Volatiles in Hyalesthes obsoletus: Behavior, Morphology, and Electrophysiology. Journal of Chemical Ecology, 2012, 38, 1017-1030.	1.8	28
83	Exploitation of Insect Vibrational Signals Reveals a New Method of Pest Management. PLoS ONE, 2012, 7, e32954.	2.5	84
84	Putative Chemosensory Receptors of the Codling Moth, Cydia pomonella, Identified by Antennal Transcriptome Analysis. PLoS ONE, 2012, 7, e31620.	2.5	166
85	Chemical Ecology and Management of Lobesia botrana (Lepidoptera: Tortricidae). Journal of Economic Entomology, 2011, 104, 1125-1137.	1.8	140
86	Searching for anatomical correlates of olfactory lateralization in the honeybee antennal lobes: A morphological and behavioural study. Behavioural Brain Research, 2011, 221, 290-294.	2.2	30
87	In-vivo two-photon imaging of the honey bee antennal lobe. Biomedical Optics Express, 2011, 2, 131.	2.9	18
88	Inter-Plant Vibrational Communication in a Leafhopper Insect. PLoS ONE, 2011, 6, e19692.	2.5	58
89	A multimodal approach for tracing lateralisation along the olfactory pathway in the honeybee through electrophysiological recordings, morpho-functional imaging, and behavioural studies. European Biophysics Journal, 2011, 40, 1247-1258.	2.2	25
90	Oviposition Response of the Moth Lobesia botrana to Sensory Cues from a Host Plant. Chemical Senses, 2011, 36, 633-639.	2.0	33

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91	Lateralization in the Invertebrate Brain: Left-Right Asymmetry of Olfaction in Bumble Bee, Bombus terrestris. PLoS ONE, 2011, 6, e18903.	2.5	67
92	Attraction of Female Grapevine Moth to Common and Specific Olfactory Cues from 2 Host Plants. Chemical Senses, 2010, 35, 57-64.	2.0	63
93	Olfactory activity of ethyl (E,Z)-2,4-decadienoate on adult oriental fruit moths. Canadian Entomologist, 2010, 142, 481-488.	0.8	7
94	Mating Behavior of <i>Hyalesthes obsoletus</i> (Hemiptera: Cixiidae). Annals of the Entomological Society of America, 2010, 103, 813-822.	2.5	33
95	Behavioural and electrophysiological lateralization in a social (Apis mellifera) but not in a non-social (Osmia cornuta) species of bee. Behavioural Brain Research, 2010, 206, 236-239.	2.2	99
96	Morpho-functional asymmetry of the olfactory receptors of the honeybee (Apis mellifera). Behavioural Brain Research, 2010, 209, 221-225.	2.2	85
97	Coding and interaction of sex pheromone and plant volatile signals in the antennal lobe of the codling moth <i>Cydia pomonella</i>). Journal of Experimental Biology, 2010, 213, 4291-4303.	1.7	64
98	In-vivo two-photon imaging of the honey bee antennal lobe. Biomedical Optics Express, 2010, 2, 131-8.	2.9	20
99	Study on the Role of Olfaction in Host Plant Detection of <l>Scaphoideus titanus</l> (Hemiptera: Cicadellidae) Nymphs. Journal of Economic Entomology, 2009, 102, 974-980.	1.8	29
100	Exploitation of the sex pheromone of apple leaf midge Dasineura mali Kieffer (Diptera: Cecidomyiidae): Part 2. Use of sex pheromone traps for pest monitoring. Crop Protection, 2009, 28, 128-133.	2.1	13
101	Synthetic Grape Volatiles Attract Mated Lobesia botrana Females in Laboratory and Field Bioassays. Journal of Chemical Ecology, 2009, 35, 1054-1062.	1.8	82
102	Toxicity of emamectin benzoate to <i>Cydia pomonella</i> (L.) and <i>Cydia molesta</i> (Busck) (Lepidoptera: Tortricidae): laboratory and field tests. Pest Management Science, 2009, 65, 306-312.	3 . 4	44
103	Effects of chlorantraniliprole on eggs and larvae of <i>Lobesia botrana</i> (Denis & amp;) Tj ETQq1 1 0.784314 r	gBŢ <u>/</u> Overl	ock 10 Tf 50
104	Responses of the Mediterranean Pine Shoot Beetle Tomicus destruens (Wollaston) to Pine Shoot and Bark Volatiles. Journal of Chemical Ecology, 2008, 34, 1162-1169.	1.8	23
105	Effect of antiâ€hail nets on C <i>ydiaÂpomonella</i> behavior in apple orchards. Entomologia Experimentalis Et Applicata, 2008, 129, 32-36.	1.4	34
106	Role of Winter Host Plants in Vineyard Colonization and Phenology of <i>Zygina rhamni</i> (Hemiptera: Cicadellidae: Typhlocybinae). Annals of the Entomological Society of America, 2008, 101, 1003-1009.	2.5	8
107	Biological Activity of Ethyl (<i>E</i> , <i>Z</i>)-2,4-Decadienoate on Different Tortricid Species: Electrophysiological Responses and Field Tests. Environmental Entomology, 2007, 36, 1025-1031.	1.4	25
108	Mating disruption of codling moth Cydia pomonella with high densities of Ecodian sex pheromone dispensers. Journal of Applied Entomology, 2007, 131, 311-318.	1.8	29

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109	Attractiveness of year-old polyethylene Isonet sex pheromone dispensers for Lobesia botrana. Entomologia Experimentalis Et Applicata, 2005, 117, 201-207.	1.4	13
110	ANTENNAL AND BEHAVIORAL RESPONSES OF GRAPEVINE MOTH Lobesia botrana FEMALES TO VOLATILES FROM GRAPEVINE. Journal of Chemical Ecology, 2005, 31, 77-87.	1.8	120
111	Brown marmorated stink bug (<i>Halyomorpha halys</i>) feeding damage determines early drop in olive crops. Journal of Applied Entomology, 0, , .	1.8	4