JosÃ© Mauricio S Bento

List of Publications by Year
in descending order

120 papers	2,247 citations	257450 24 h-index	330143 37 g-index
124 all docs	124 docs citations	124 times ranked	2406 citing authors

#	Article	IF	Citations
1	Biology of Diaphorina citri (Hem., Psyllidae) on different hosts and at different temperatures. Journal of Applied Entomology, 2007, 131, 709-715.	1.8	143
2	Tomato Infection by Whitefly-Transmitted Circulative and Non-Circulative Viruses Induce Contrasting Changes in Plant Volatiles and Vector Behaviour. Viruses, 2016, 8, 225.	3.3	95
3	Weather Forecasting by Insects: Modified Sexual Behaviour in Response to Atmospheric Pressure Changes. PLoS ONE, 2013, 8, e75004.	2.5	74
4	Herbivore-Induced Plant Volatiles Can Serve as Host Location Cues for a Generalist and a Specialist Egg Parasitoid. Journal of Chemical Ecology, 2011, 37, 1304-1313.	1.8	70
5	Eye size and behaviour of day- and night-flying leafcutting ant alates. Journal of Zoology, 2004, 264, 69-75.	1.7	68
6	Oviposition by a moth suppresses constitutive and herbivore-induced plant volatiles in maize. Planta, 2011, 234, 207-215.	3.2	59
7	Î²-caryophyllene emitted from a transgenic Arabidopsis or chemical dispenser repels Diaphorina citri, vector of Candidatus Liberibacters. Scientific Reports, 2017, 7, 5639.	3.3	59
8	Queen signals in a stingless bee: suppression of worker ovary activation and spatial distribution of active compounds. Scientific Reports, 2015, 4, 7449.	3.3	55
9	Herbivore-Induced Plant Volatiles to Enhance Biological Control in Agriculture. Neotropical Entomology, 2013, 42, 331-343.	1.2	53
10	Fall Armyworm, Spodoptera frugiperda (J.E. Smith) (Lepidoptera: Noctuidae), Female Moths Respond to Herbivore-Induced Corn Volatiles. Neotropical Entomology, 2012, 41, 22-26.	1.2	41
11	Unveiling the contribution of bee pollinators to Brazilian crops with implications for bee management. Apidologie, 2020, 51, 406-421.	2.0	39
12	First record of small hive beetle, Aethina tumida Murray, in South America. Journal of Apicultural Research, 2017, 56, 76-80.	1.5	38
13	The dilemma of being a fragrant flower: the major floral volatile attracts pollinators and florivores in the euglossine-pollinated orchid Dichaea pendula. Oecologia, 2016, 182, 933-946.	2.0	37
14	Putative sex pheromone of the Asian citrus psyllid, Diaphorina citri, breaks down into an attractant. Scientific Reports, 2018, 8, 455.	3.3	37
15	Attraction of Three Mirid Predators to Tomato Infested by Both the Tomato Leaf Mining Moth Tuta absoluta and the Whitefly Bemisia tabaci. Journal of Chemical Ecology, 2018, 44, 29-39.	1.8	37
16	Female sex pheromone of the longhorn beetleMigdolus fryanus Westwood: N-(2â€²S)-methylbutanoyl 2-methylbutylamine. Experientia, 1994, 50, 853-856.	1.2	34
17	Identification, Synthesis, and Field Evaluation of the Sex Pheromone from the Citrus Leafminer, Phyllocnistis citrella. Journal of Chemical Ecology, 2006, 32, 155-168.	1.8	34
18	Curry leaf smells better than citrus to females of Diaphorina citri (Hemiptera: Liviidae). Arthropod-Plant Interactions, 2017, 11, 709-716.	1.1	34

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19	Stem inoculation with bacterial strains Bacillus amyloliquefaciens (GB03) and Microbacterium imperiale (MAIIF2a) mitigates Fusarium root rot in cassava. Phytoparasitica, 2019, 47, 135-142.	1.2	32
20	A Novel Interaction between Plant-Beneficial Rhizobacteria and Roots: Colonization Induces Corn Resistance against the Root Herbivore Diabrotica speciosa. PLoS ONE, 2014, 9, e113280.	2.5	32
21	Olfactory response of three parasitoid species (Hymenoptera: Braconidae) to volatiles of guavas infested or not with fruit fly larvae (Diptera: Tephritidae). Biological Control, 2007, 41, 304-311.	3.0	31
22	Differential Attractiveness of Potato Tuber Volatiles to Phthorimaea operculella (Gelechiidae) and the Predator Orius insidiosus (Anthocoridae). Journal of Chemical Ecology, 2007, 33, 1845-1855.	1.8	31
23	Transmission of stridulatory signals of the burrower bugs, Scaptocoris castanea and Scaptocoris carvalhoi (Heteroptera: Cydnidae) through the soil and soybean. Physiological Entomology, 2006, 31, 371-381.	1.5	30
24	Variation with caste of the mandibular gland secretion in the leaf-cutting antAtta sexdens rubropilosa. Journal of Chemical Ecology, 1993, 19, 907-918.	1.8	29
25	Geographic variation of sex pheromone and mitochondrial DNA in Diatraea saccharalis (Fab., 1794) (Lepidoptera: Crambidae). Journal of Insect Physiology, 2010, 56, 1624-1630.	2.0	29
26	Large scale artificial rearing of Anastrepha sp.1 aff. fraterculus (Diptera: Tephritidae) in Brazil. Scientia Agricola, 2014, 71, 281-286.	1.2	28
27	Identification, synthesis, and field evaluation of the sex pheromone of the citrus fruit borer Ecdytolopha aurantiana. Journal of Chemical Ecology, 2001, 27, 2041-2051.	1.8	25
28	Biological and behavioral parameters of the parasitoid Cotesia flavipes (Hymenoptera: Braconidae) are altered by the pathogen Nosema sp. (Microsporidia: Nosematidae). Biological Control, 2012, 63, 164-171.	3.0	25
29	BIOLOGY, THERMAL REQUIREMENTS, AND ESTIMATION OF THE NUMBER OF GENERATIONS OF ZAPRIONUS INDIANUS (DIPTERA: DROSOPHILIDAE) FOR THE MAIN FIG PRODUCING REGIONS OF BRAZIL. Florida Entomologist, 2007, 90, 495-501.	0.5	24
30	The Effects of Host, Geographic Origin, and Gender on the Thermal Requirements ofDiaphorina citri(Hemiptera: Psyllidae). Environmental Entomology, 2010, 39, 678-684.	1.4	24
31	Nocturnal herbivore-induced plant volatiles attract the generalist predatory earwig Doru luteipes Scudder. Die Naturwissenschaften, 2017, 104, 77.	1.6	24
32	Spittlebugs produce foam as a thermoregulatory adaptation. Scientific Reports, 2018, 8, 4729.	3.3	24
33	Silicon-induced changes in plant volatiles reduceÂattractiveness of wheat to the bird cherry-oat aphid Rhopalosiphum padiÃand attractÂthe parasitoid Lysiphlebus testaceipes. PLoS ONE, 2020, 15, e0231005.	2.5	24
34	Fungal phytopathogen modulates plant and insect responses to promote its dissemination. ISME Journal, 2021, 15, 3522-3533.	9.8	24
35	Autoinoculation trap for management of Hypothenemus hampei (Ferrari) with Beauveria bassiana (Bals.) in coffee crops. Biological Control, 2017, 111, 32-39.	3.0	23
36	FIELD EVALUATION OF A SYNTHETIC FEMALE SEX PHEROMONE FOR THE LEAFMINING MOTH PHYLLOCNISTIS CITRELLA (LEPIDOPTERA: GRACILLARIIDAE) IN FLORIDA CITRUS. Florida Entomologist, 2006, 89, 274-276.	0.5	22

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37	Quality versus quantity: Foraging decisions in the honeybee (Apis mellifera scutellata) feeding on wildflower nectar and fruit juice. Ecology and Evolution, 2016, 6, 7156-7165.	1.9	22
38	Red-rot infection in sugarcane attenuates the attractiveness of sugarcane borer-induced plant volatiles to parasitoid. Arthropod-Plant Interactions, 2019, 13, 117-125.	1.1	21
39	Exposure of sterile Mediterranean fruit fly (Diptera: Tephritidae) males to ginger root oil reduces female remating. Journal of Applied Entomology, 2013, 137, 75-82.	1.8	20
40	Introduction of parasitoids for the control of the cassava mealybugPhenacoccus herreni(Hemiptera: Pseudococcidae) in north-eastern Brazil. Bulletin of Entomological Research, 1999, 89, 403-410.	1.0	18
41	Mating Behavior of the Coffee Berry Borer, Hypothenemus hampei (Ferrari) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.7	18
42	Diurnal and nocturnal herbivore induction on maize elicit different innate response of the fall armyworm parasitoid, Campoletis flavicincta. Journal of Pest Science, 2012, 85, 101-107.	3.7	18
43	Attraction of entomopathogenic nematodes to sugarcane root volatiles under herbivory by a sap-sucking insect. Chemoecology, 2016, 26, 59-66.	1.1	18
44	Field trapping ofMigdolus fryanus westwood (Coleoptera: Cerambycidae) using natural sex pheromone. Journal of Chemical Ecology, 1992, 18, 245-251.	1.8	17
45	First Record of the Entomopathogenic FungusNeozygites fumosaon the Cassava MealybugPhenacoccus herreni. Journal of Invertebrate Pathology, 1997, 69, 276-278.	3.2	17
46	Sexual behavior and diel activity of citrus fruit borer Ecdytolopha aurantiana. Journal of Chemical Ecology, 2001, 27, 2053-2065.	1.8	17
47	(6E,8Z)-6,8-Pentadecadienal, a Novel Attractant Pheromone Produced by Males of the Cerambycid Beetles Chlorida festiva and Chlorida costata. Journal of Chemical Ecology, 2016, 42, 1082-1085.	1.8	17
48	Effects of single and multiple herbivory by host and nonâ€host caterpillars on the attractiveness of herbivoreâ€induced volatiles of sugarcane to the generalist parasitoid <scp>C</scp>otesia flavipes. Entomologia Experimentalis Et Applicata, 2017, 165, 83-93.	1.4	17
49	Aggregation-Sex Pheromones and Likely Pheromones of 11 South American Cerambycid Beetles, and Partitioning of Pheromone Channels. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	17
50	BIOLOGY AND MATING BEHAVIOR OF THE COCONUT MOTH ATHELOCA SUBRUFELLA (LEPIDOPTERA:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	16
51	10-Methyldodecanal, a Novel Attractant Pheromone Produced by Males of the South American Cerambycid Beetle Eburodacrys vittata. PLoS ONE, 2016, 11, e0160727.	2.5	16
52	Hygienic behaviour in Brazilian stingless bees. Biology Open, 2016, 5, 1712-1718.	1.2	16
53	The effects of Gibberella zeae, Barley Yellow Dwarf Virus, and co-infection on Rhopalosiphum padi olfactory preference and performance. Phytoparasitica, 2016, 44, 47-54.	1.2	15
54	Laboratory and field evaluation of acetic acid-based lures for male Asian citrus psyllid, Diaphorina citri. Scientific Reports, 2019, 9, 12920.	3.3	15

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55	Effect of host egg age on preference, development and arrestment of Telenomus remus (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /O	1.2	15
56	Development of a control alternative for the citrus fruit borer, Ecdytolopha aurantiana (Lepidoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	15
57	Mating Behavior and Evidence for Male-Produced Aggregation Pheromone in Cyrtomon luridus (Boheman) (Coleoptera: Curculionidae: Entiminae). Journal of Insect Behavior, 2015, 28, 55-66.	0.7	13
58	Interspecific Cross-Attraction between the South American Cerambycid Beetles Cotyclytus curvatus and Megacyllene acuta is Averted by Minor Pheromone Components. Journal of Chemical Ecology, 2018, 44, 268-275.	1.8	13
59	Side effects of a fungus-based biopesticide on stingless bee guarding behaviour. Chemosphere, 2022, 287, 132147.	8.2	13
60	Male response to natural sex pheromone ofMigdolus fryanus westwood (Coleoptera: Cerambycidae) females as affected by daily climatic factors. Journal of Chemical Ecology, 1993, 19, 2347-2351.	1.8	12
61	Morphology of immature stages and mating behavior in Liogenys fusca (Blanchard) (Coleoptera,) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	12
62	Direct and indirect resistance of sugarcane to Diatraea saccharalis induced by jasmonic acid. Bulletin of Entomological Research, 2017, 107, 828-838.	1.0	12
63	Phloem-feeding herbivory on flowering melon plants enhances attraction of parasitoids by shifting floral to defensive volatiles. Arthropod-Plant Interactions, 2018, 12, 751-760.	1.1	12
64	Unique nest entrance structure of Partamona helleri stingless bees leads to remarkable â€˜crash-landingâ€™ behaviour. Insectes Sociaux, 2019, 66, 471-477.	1.2	12
65	Biology and thermal requirements of Utetheisa ornatrix (L.) (Lepidoptera: Arctiidae) reared on artificial diet. Brazilian Archives of Biology and Technology, 2008, 51, 447-453.	0.5	12
66	Phylogeography ofChelonus insularis(Hymenoptera: Braconidae) andCampoletis sonorensis(Hymenoptera: Ichneumonidae), Two Primary Neotropical Parasitoids of the Fall Armyworm (Lepidoptera: Noctuidae). Annals of the Entomological Society of America, 2010, 103, 742-749.	2.5	11
67	How Old are Colonizing Hypothenemus hampei (Ferrari) Females When They Leave the Native Coffee Fruit?. Journal of Insect Behavior, 2014, 27, 729-735.	0.7	11
68	Interspecific chemical communication in raids of the robber bee Lestrimelitta limao. Insectes Sociaux, 2016, 63, 339-347.	1.2	11
69	Changes in plant responses induced by an arthropod influence the colonization behavior of a subsequent herbivore. Pest Management Science, 2021, 77, 4168-4180.	3.4	11
70	<scp>Bacillus thuringiensis RZ2MS9</scp>, a tropical plant growthâ€promoting rhizobacterium, colonizes maize endophytically and alters the plant's production of volatile organic compounds during coâ€inoculation with <scp>Azospirillum brasilense Abâ€V5</scp>. Environmental Microbiology Reports, 2021, 13, 812-821.	2.4	11
71	How much is a pheromone worth?. F1000Research, 2016, 5, 1763.	1.6	11
72	Oviposition Behavior of <I>Stenoma catenifer</I> (Lepidoptera: Elachistidae): Chemical and Physical Stimuli and Diel Pattern of Egg Laying. Annals of the Entomological Society of America, 2005, 98, 409-414.	2.5	10

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73	Plant volatiles: new perspectives for research in Brazil. Neotropical Entomology, 2006, 35, 151-158.	1.2	10
74	Pheromone paths attached to the substrate in meliponine bees: helpful but not obligatory for recruitment success. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 755-764.	1.6	9
75	Sexual Dimorphism and Mating Behavior in Anomala testaceipennis. Journal of Insect Science, 2014, 14, .	1.5	9
76	(Z)-7-Hexadecene is an Aggregation-Sex Pheromone Produced by Males of the South American Cerambycid Beetle Susuacanga octoguttata. Journal of Chemical Ecology, 2018, 44, 1115-1119.	1.8	9
77	Predatory Earwigs are Attracted by Herbivore-Induced Plant Volatiles Linked with Plant Growth-Promoting Rhizobacteria. Insects, 2020, 11, 271.	2.2	9
78	Response of workers of Atta sexdens rubropilosa (Hymenoptera: Formicidae) to mandibular gland compounds of virgin males and females. Physiological Entomology, 2007, 32, 283-286.	1.5	8
79	Wing Polymorphism and Dispersal of <I>Scaptocoris carvalhoi</I> (Hemiptera: Cydnidae). Annals of the Entomological Society of America, 2008, 101, 551-557.	2.5	8
80	(1R,2S,6R)-Papayanal: a new male-specific volatile compound released by the guava weevil Conotrachelus psidii (Coleoptera: Curculionidae). Bioscience, Biotechnology and Biochemistry, 2016, 80, 848-855.	1.3	8
81	Foraging activity of leafâ€cutter ants is affected by barometric pressure. Ethology, 2020, 126, 290-296.	1.1	8
82	Mating Behavior ofDiabrotica speciosa(Coleoptera: Chrysomelidae). Environmental Entomology, 2012, 41, 562-570.	1.4	7
83	Variations on a Theme: Two Structural Motifs Create Species-Specific Pheromone Channels for Multiple Species of South American Cerambycid Beetles. Insects, 2020, 11, 222.	2.2	7
84	Captura de Rhynchophorus palmarum (L.) pelo uso de feromÃ´nio de agregaÃ§Ã£o associado a Ã¡rvore-armadilha e inseticida. Neotropical Entomology, 1997, 26, 69-73.	0.2	6
85	Towards the identification and synthesis of the sex pheromone of the citrus leafminer, Phyllocnistis citrella Stainton (Lepidoptera: Gracillariidae). Neotropical Entomology, 2006, 35, 12-18.	1.2	6
86	Attraction of the sugarcane billbug, Sphenophorus levis, to vinasse and its volatile composition. Chemoecology, 2020, 30, 205-214.	1.1	6
87	A comparison of the direct and indirect defence abilities of cultivated maize versus perennial and annual teosintes. Chemoecology, 2021, 31, 63-74.	1.1	6
88	(3S,6E)-nerolidol-mediated rendezvous of Cyclocephala paraguayensis beetles in bottle gourd flowers. PLoS ONE, 2020, 15, e0235028.	2.5	6
89	Two in one: the neotropical mirid predator <scp>Macrolophus basicornis</scp> increases pest control by feeding on plants. Pest Management Science, 2022, 78, 3314-3323.	3.4	6
90	Electrophysiological and Behavioral Evidence for a Sex Pheromone in the Wasp Bephratelloides pomorum. Journal of Chemical Ecology, 1997, 23, 1281-1289.	1.8	5

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91	FlutuaÃ§Ã£o populacional e distribuiÃ§Ã£o de Sitophilus zeamais em pomares de pessegueiro e macieira. Pesquisa Agropecuaria Brasileira, 2013, 48, 358-364.	0.9	5
92	Enantiomers of fuscumol acetate comprise the aggregationâ€sex pheromone of the South American cerambycid beetle Psapharochrus maculatissimus , and likely pheromones of the cerambycids Eupromerella plaumanni and Hylettus seniculus. Entomologia Experimentalis Et Applicata, 2019, 167, 915-921.	1.4	5
93	Infection by the semi-persistently transmitted Tomato chlorosis virus alters the biology and behaviour of Bemisia tabaci on two potato clones. Bulletin of Entomological Research, 2019, 109, 604-611.	1.0	5
94	The composition of the bacterial community in the foam produced by Mahanarva fimbriolata is distinct from those at gut and soil. Brazilian Journal of Microbiology, 2020, 51, 1151-1157.	2.0	5
95	Monitoring a beneficial bacterium (Bacillus amyloliquefaciens) in the rhizosphere with arugula herbivory. Rhizosphere, 2021, 18, 100347.	3.0	5
96	Attraction of Bucephalogonia xanthophis (Hemiptera: Cicadellidae) to volatiles of its natural host Vernonia condensata (Asteraceae). Scientia Agricola, 2008, 65, 634-638.	1.2	5
97	Chemical Signaling Between Guava (Psidium guajava L., Myrtaceae) and the Guava Weevil (Conotrachelus psidii Marshall). Revista Facultad De Ciencias BÃ¡sicas, 2015, 11, 102.	0.2	5
98	Colletotrichum falcatum modulates the olfactory behavior of the sugarcane borer, favoring pathogen infection. FEMS Microbiology Ecology, 2022, , .	2.7	5
99	Classical Biological Control of the Mealybug <I>Phenacoccus herreni</I> (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	4
100	Behavioral response of the generalist predator Orius insidiosus to single and multiple herbivory by two cell content-feeding herbivores on rose plants. Arthropod-Plant Interactions, 2020, 14, 227-236.	1.1	4
101	What pollinators see does not match what they smell: Absence of color-fragrance association in the deceptive orchid Ionopsis utricularioides. Phytochemistry, 2021, 182, 112591.	2.9	4
102	InduÃ§Ã£o de resistÃªncia Ã podridÃ£oâ€‘amarga em maÃ§Ã£s pelo uso de eliciadores em pÃ³sâ€‘colheita. Pesquisa Agropecuaria Brasileira, 2013, 48, 249-254.	0.9	4
103	Male-Specific Volatiles Released by the Big Avocado Seed Weevil Heilipus lauri Boheman (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	3
104	Semiochemical-Based Attractant for the Ambrosia Pinhole Borer Euplatypus parallelus. Agronomy, 2021, 11, 266.	3.0	3
105	Monocrotaline presence in the Crotalaria (Fabaceae) plant genus and its influence on arthropods in agroecosystems. Brazilian Journal of Biology, 2022, 84, e256916.	0.9	3
106	Description of the Immatures of Scaptocoris carvalhoi Becker (Hemiptera: Cydnidae). Neotropical Entomology, 2013, 42, 288-292.	1.2	2
107	3-Hydroxyhexan-2-one and 3-Methylthiopropan-1-ol as Pheromone Candidates for the South American Cerambycid Beetles Stizocera phtisica and Chydarteres dimidiatus dimidiatus, and Six Related Species. Journal of Chemical Ecology, 2021, 47, 941-949.	1.8	2
108	Synthetic sex pheromone of citrus leafminer in Brazilian citrus groves. Pesquisa Agropecuaria Brasileira, 2009, 44, 676-680.	0.9	2

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109	A parasitoidâ€™s dilemma between food and host resources: the role of volatiles from nectar-providing marigolds and host-infested plants attracting Aphidius platensis. Die Naturwissenschaften, 2022, 109, 9.	1.6	2
110	A Novel Trisubstituted Tetrahydropyran as a Possible Pheromone Component for the South American Cerambycid Beetle Macropophora accentifer. Journal of Chemical Ecology, 2022, 48, 569-582.	1.8	2
111	Desenvolvimento de um modelo para previsÃ£o de ocorrÃªncia do bicho-furÃ£o-dos-citros, Ecdytolopha		