

Paulo H Zarbin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/710863/publications.pdf>

Version: 2024-02-01

84
papers

927
citations

471509

17
h-index

610901

24
g-index

86
all docs

86
docs citations

86
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Male-Produced Sex Pheromone of the Cerambycid Beetle <i>Hedypathes betulinus</i> : Chemical Identification and Biological Activity. <i>Journal of Chemical Ecology</i> , 2010, 36, 1132-1139.	1.8	56
2	Enhancing Plant Resistance at the Seed Stage: Low Concentrations of Methyl Jasmonate Reduce the Performance of the Leaf Miner <i>Tuta absoluta</i> but do not Alter the Behavior of its Predator <i>Chrysoperla externa</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 1090-1098.	1.8	37
3	Identification of male-specific chiral compound from the sugarcane weevil <i>Sphenophorus levis</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 377-386.	1.8	32
4	Geographic variation of sex pheromone and mitochondrial DNA in <i>Diatraea saccharalis</i> (Fab., 1794) (Lepidoptera: Crambidae). <i>Journal of Insect Physiology</i> , 2010, 56, 1624-1630.	2.0	29
5	Medicinal alkaloid as a sex pheromone. <i>Nature</i> , 1997, 385, 213-213.	27.8	28
6	Herbivore-induced volatile organic compounds emitted by maize: Electrophysiological responses in <i>Spodoptera frugiperda</i> females. <i>Phytochemistry Letters</i> , 2016, 16, 70-74.	1.2	28
7	Alarm pheromone system of stink bug <i>Piezodorus guildinii</i> (Heteroptera: Pentatomidae). <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 424-428.	0.6	28
8	Sex Pheromone of <i>Lonomia obliqua</i> : Daily Rhythm of Production, Identification, and Synthesis. <i>Journal of Chemical Ecology</i> , 2007, 33, 555-565.	1.8	26
9	Feromônios de insetos: tecnologia e desafios para uma agricultura competitiva no Brasil. <i>Química Nova</i> , 2009, 32, 722-731.	0.3	26
10	Volatile Organic Compounds of Conspecific-Damaged <i>Eucalyptus benthamii</i> Influence Responses of Mated Females of <i>Thaumastocoris peregrinus</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 602-611.	1.8	26
11	Long-Chain Alkyl Cyanides: Unprecedented Volatile Compounds Released by <i>Pseudomonas</i> and <i>Micromonospora</i> Bacteria. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4342-4346.	13.8	26
12	Metodologias gerais empregadas no isolamento e identificação estrutural de feromônios de insetos. <i>Química Nova</i> , 1999, 22, 263-268.	0.3	25
13	Defensive Compounds and Male-Produced Sex Pheromone of the Stink Bug, <i>Agroecus griseus</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 1124-1132.	1.8	23
14	Biosynthesis of scarab beetle pheromones. <i>FEBS Journal</i> , 1999, 259, 175-180.	0.2	22
15	Feromônios de agregação em <i>Curculionidae</i> (Insecta: Coleoptera) e sua implicação taxonômica. <i>Química Nova</i> , 2009, 32, 2151-2158.	0.3	22
16	Male-Produced Sex Pheromone of the Stink Bug <i>Edessa meditabunda</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 825-835.	1.8	22
17	Pheromone Sharing: Blends Based on the Same Compounds for <i>Euschistus heros</i> and <i>Piezodorus guildinii</i> . <i>Journal of Chemical Ecology</i> , 1999, 25, 629-634.	1.8	21
18	The Male-produced Sex Pheromone of the True Bug, <i>Phthia picta</i> , is an Unusual Hydrocarbon. <i>Journal of Chemical Ecology</i> , 2012, 38, 814-824.	1.8	18

#	ARTICLE	IF	CITATIONS
19	Compostos orgânicos voláteis na defesa induzida das plantas contra insetos herbívoros. <i>Química Nova</i> , 2013, 36, 1395-1405.	0.3	18
20	Sex pheromone of the scarab beetle <i>Phyllophaga eleanans</i> and some intriguing minor components. <i>Journal of Chemical Ecology</i> , 2003, 29, 15-25.	1.8	17
21	Insecticidal and oviposition deterrent effects of essential oils of <i>Baccharis</i> spp. and histological assessment against <i>Drosophila suzukii</i> (Diptera: Drosophilidae). <i>Scientific Reports</i> , 2021, 11, 3944.	3.3	17
22	Male-specific volatiles released by the Brazilian papaya weevil, <i>Pseudopiazurus obesus</i> : partial identification and evidence of an aggregation pheromone. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1048-1053.	0.6	16
23	Identification of a Novel Moth Sex Pheromone Component from <i>Chilecomadia valdiviana</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 908-918.	1.8	16
24	Calling behaviour and male response towards sex pheromone of poplar moth <i>Condyloporrhiza vestigialis</i> (Lepidoptera: Crambidae). <i>Journal of Pest Science</i> , 2009, 82, 55-60.	3.7	15
25	Identification of Male-Produced Aggregation Pheromone of the Curculionid Beetle <i>Sternechus subsignatus</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 272-277.	1.8	13
26	Title is missing!. <i>Journal of Chemical Ecology</i> , 2000, 26, 2737-2746.	1.8	12
27	Biosynthesis and Site of Production of Sex Pheromone Components of the Cerambycid Beetle, <i>Hedypathes betulinus</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 358-363.	1.8	11
28	(6R,10S)-Pallantione: The First Ketone Identified as Sex Pheromone in Stink Bugs. <i>Organic Letters</i> , 2013, 15, 1822-1825.	4.6	11
29	(1 <i>R</i> ,2 <i>S</i> ,6 <i>R</i>)-2-Hydroxymethyl-2,6-dimethyl-3-oxabicyclo[4.2.0]octane, a New Volatile Released by Males of the Papaya Borer <i>Pseudopiazurus obesus</i> (Col.: Curculionidae). <i>Organic Letters</i> , 2010, 12, 2447-2449.	4.6	10
30	Pheromone Bouquet of the Dried Bean Beetle, <i>Acanthoscelides obtectus</i> (Col.: Chrysomelidae), Now Complete. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4843-4846.	2.4	10
31	Identification and Synthesis of the Male-produced Sex Pheromone of the Stink Bug, <i>Pellaea stictica</i> . <i>Journal of Chemical Ecology</i> , 2015, 41, 859-868.	1.8	10
32	Terpenoids dominate the bouquet of volatile organic compounds produced by <i>Passiflora edulis</i> in response to herbivory by <i>Heliconius erato phyllis</i> (Lepidoptera: Nymphalidae). <i>Arthropod-Plant Interactions</i> , 2018, 12, 123-131.	1.1	10
33	Isophorone derivatives as a new structural motif of aggregation pheromones in Curculionidae. <i>Scientific Reports</i> , 2019, 9, 776.	3.3	10
34	Aggregation Pheromones of Weevils (Coleoptera: Curculionidae): Advances in the Identification and Potential Uses in Semiochemical-Based Pest Management Strategies. <i>Journal of Chemical Ecology</i> , 2021, 47, 968-986.	1.8	10
35	Essential Oil of <i>Rosmarinus officinalis</i> Ecotypes and Their Major Compounds: Insecticidal and Histological Assessment Against <i>Drosophila suzukii</i> and Their Impact on a Nontarget Parasitoid. <i>Journal of Economic Entomology</i> , 2022, 115, 955-966.	1.8	10
36	Insect pheromone research in South America. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1206-1219.	0.6	9

#	ARTICLE	IF	CITATIONS
37	Identification of (Z)-4- and 1-Tridecene in the Metathoracic Gland Secretions of Stink Bugs Employing the GC/FT-IR Technique. <i>Journal of Chemical Ecology</i> , 2013, 39, 1182-1185.	1.8	9
38	Aggregation Pheromone of the Bearded Weevil, <i>Rhinostomus barbirostris</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (C Ecology, 2018, 44, 463-470.	1.8	9
39	Feromônios associados aos coleópteros-praga de produtos armazenados. <i>Química Nova</i> , 2005, 28, 472-477.	0.3	8
40	Reproductive behaviour of <i>Crociosema (=Epinotia) aporema</i> (Walsingham) (Lepidoptera: Tortricidae): temporal pattern of female calling and mating. <i>Neotropical Entomology</i> , 2010, 39, 324-329.	1.2	8
41	Synthesis of All Four Stereoisomers of 6,10,13-Trimethyltetradecan-2-one, a Sex Pheromone Component Produced by Males of the Stink Bug <i>Pallantia macunaima</i> . <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2209-2215.	2.4	8
42	Cuticular Compounds Recognition and Mating Behavior of the Rice Water Weevil <i>Oryzophagus oryzae</i> (Coleoptera, Curculionidae). <i>Journal of Insect Behavior</i> , 2013, 26, 812-823.	0.7	8
43	Male-Produced Sex Pheromone of the Carrion Beetles, <i>Oxelytrum discicolle</i> and its Attraction to Food Sources. <i>Journal of Chemical Ecology</i> , 2013, 39, 1056-1065.	1.8	8
44	Soybean (<i>Glycine max</i>) plants genetically modified to express resistance to glyphosate: can they modify airborne signals in tritrophic interactions?. <i>Chemoecology</i> , 2016, 26, 7-14.	1.1	8
45	Identification of Zingiberenol and Murgantiol as Components of the Aggregation-Sex Pheromone of the Rice Stink Bug, <i>Mormidea v-luteum</i> (Heteroptera: Pentatomidae). <i>Journal of Chemical Ecology</i> , 2021, 47, 1-9.	1.8	8
46	Biology of Laboratory-Reared <i>Lonomia Obliqua</i> (Lepidoptera: Saturniidae). <i>Florida Entomologist</i> , 2007, 90, 770-771.	0.5	7
47	Insect pheromone synthesis in Brazil: an overview. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1100-1124.	0.6	7
48	Volatile Organic Compounds Induced by Herbivory of the Soybean Looper <i>Chrysodeixis includens</i> in Transgenic Glyphosate-Resistant Soybean and the Behavioral Effect on the Parasitoid, <i>Meteorus rubens</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 806-813.	1.8	7
49	Tetranorsesquiterpenoids as Attractants of Yucca Moths to Yucca Flowers. <i>Journal of Chemical Ecology</i> , 2021, 47, 1025-1041.	1.8	7
50	Ripening stages and volatile compounds present in strawberry fruits are involved in the oviposition choice of <i>Drosophila suzukii</i> (Diptera: Drosophilidae). <i>Crop Protection</i> , 2021, , 105883.	2.1	7
51	SYNTHESIS OF THE FOUR POSSIBLE STEREOISOMERS OF N-2-METHYLBUTYL-2-METHYLBUTYLAMIDE, THE SEX PHEROMONE OF THE LONGHORN BEETLE <i>MIGDOLUS FRYANUS</i> WESTWOOD. <i>Synthetic Communications</i> , 2001, 31, 3685-3698.	2.1	6
52	Volatile Chemicals of Adults and Nymphs of the Eucalyptus Pest, <i>Thaumastocoris peregrinus</i> (Heteroptera: Thaumastocoridae). <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-6.	0.9	6
53	A Química na agricultura: perspectivas para o desenvolvimento de tecnologias sustentáveis. <i>Química Nova</i> , 2013, 36, 1509-1513.	0.3	6
54	Tergal Gland Secretion of the Rove Beetle <i>Aleochara pseudochrysorrhoea</i> (Staphylinidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 e2000483.	2.1	6

#	ARTICLE	IF	CITATIONS
55	Identificação dos compostos defensivos encontrados nas glândulas metatorácica e abdominais dorsais dos percevejos <i>Loxa deducta</i> e <i>Pellaea stictica</i> (Heteroptera: Pentatomidae). <i>Quimica Nova</i> , 2012, 35, 1582-1586.	0.3	5
56	Control of Neglected Disease Insect Vectors: Future Prospects for the Use of Tools Based on Behavior Manipulation-Interference. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	5
57	A new enantioselective synthesis of the four stereoisomers of pallantione, the male-produced sex pheromone of <i>Pallantia macunaima</i> (Heteroptera: Pentatomidae). <i>Tetrahedron</i> , 2018, 74, 88-95.	1.9	5
58	Camphor and Borneol as the Male-Produced Sex Pheromone of the Shield Bug, <i>Orsilochides leucoptera</i> (Hemiptera: Scutelleridae). <i>Journal of Chemical Ecology</i> , 2020, 46, 490-496.	1.8	5
59	Total synthesis of four stereoisomers of methyl 4,8,12-trimethylpentadecanoate, a major component of the sex pheromone of the stink bug <i>Edessa meditabunda</i> . <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5034-5044.	2.8	5
60	Structures related to pheromone storage in alar androconia and the female abdominal scent gland of <i>Heliconius erato phyllis</i> , <i>Heliconius ethilla narcaea</i> , and <i>Heliconius besckei</i> (Lepidoptera: Nymphalidae: Heliconiinae). <i>Journal of Morphology</i> , 2020, 281, 388-401.	1.2	5
61	The Male Produced Aggregation Pheromone of a Strawberry Sap Beetle, <i>Lobiopa insularis</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.8	4
62	Identification and Synthesis of a Macrolide as an Anti-aphrodisiac Pheromone from Males of <i>Heliconius erato phyllis</i> . <i>Organic Letters</i> , 2022, 24, 3772-3775.	4.6	4
63	Synthesis of the minor sex pheromone component of two brazilian soybean stink bugs (Het.:) Tj ETQq1 1 0.784314 rgBT / Overlock 10	0.6	3
64	Effects of photoperiod and temperature on the development of <i>Bonagota cranaodes</i> . <i>Physiological Entomology</i> , 2007, 32, 394-398.	1.5	3
65	A new species of <i>Cervellus Szpligeti</i> (Hymenoptera, Braconidae, Braconinae) with biological notes. <i>Revista Brasileira De Entomologia</i> , 2007, 51, 8-11.	0.4	3
66	Toward the Identification of the Sex Pheromone of <i>Diatraea indigenella</i> Dyar & Heinrich (Lepidoptera: Tj ETQq0 0 0 rgBT / Overlock 10 T 2014, 43, 526-531.	1.2	3
67	Volatile Organic Compounds (VOCs) Emitted by <i>Ilex paraguariensis</i> Plants are Affected by the Herbivory of the Lepidopteran <i>Thelosia camina</i> and the Coleopteran <i>Hedypathes betulinus</i> . <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	3
68	Identificaton of the Alarm and Sex Pheromones of the Leaf-footed Bug, <i>Leptoglossus zonatus</i> (Heteroptera: Coreidae). <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3
69	Mate Recognition by the Green Mate Borer, <i>Hedypathes betulinus</i> (Coleoptera: Cerambycidae): the Role of Cuticular Compounds. <i>Journal of Insect Behavior</i> , 2019, 32, 120-133.	0.7	3
70	Synthesis of (S)-(+)-2-methyl-4-octanol: male-specific compound released by sugarcane weevil <i>Sphenophorus levis</i> (coleoptera: curculionidae). <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 331-334.	0.6	3
71	Determination of the Absolute Configuration of the Male-Produced Sex Pheromone of the Stink Bug <i>Pellaea stictica</i> , (2R,4R,8R)-2,4,8,13-Tetramethyltetradecan-1-ol by Stereoselective Synthesis Coupled with Enantiomeric Resolution. <i>Journal of Chemical Ecology</i> , 2022, 48, 502-517.	1.8	3
72	(1R,2S,6R)-Papayanol, Aggregation Pheromone of the Guava Weevil, <i>Conotrachelus psidii</i> . <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	2

#	ARTICLE	IF	CITATIONS
73	Sex Pheromone of the Bud Borer <i>Epinotia aporema</i> : Chemical Identification and Male Behavioral Response. <i>Journal of Chemical Ecology</i> , 2009, 35, 349-354.	1.8	1
74	Scanning electron micrographs of <i>Oryzophagus oryzae</i> (Coleoptera, Curculionidae), plastron structure and swimming behavior. <i>Micron</i> , 2012, 43, 321-325.	2.2	1
75	Defensive behavior associated with secretions from the prosternal paired glands of the larvae of <i>Heliconius erato phyllis</i> Fabricius (Lepidoptera, Nymphalidae). <i>Revista Brasileira De Entomologia</i> , 2014, 58, 161-167.	0.4	1
76	First description of larval stages of <i>Aleochara pseudochryso-roa</i> Caron, Mise & Klimaszewski, 2008. <i>Zootaxa</i> , 2016, 4173, 449.	0.5	1
77	Plant volatiles induced by <i>Duponchelia fovealis</i> (Lepidoptera: Crambidae) in two cultivars of strawberry and its attraction to the predator <i>Podisus nigrispinus</i> (Hemiptera: Pentatomidae). <i>Arthropod-Plant Interactions</i> , 2020, 14, 685-693.	1.1	1
78	Identification and Synthesis of the Male-Produced Sex Pheromone of the Soldier Beetle <i>Chauliognathus fallax</i> (Coleoptera: Cantharidae). <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1
79	The Chemistry of Insect Pheromones. , 2020, , 179-221.		1
80	Chemical Ecology without Borders. <i>Journal of Chemical Ecology</i> , 2014, 40, 414-414.	1.8	0
81	Letter to the Editor: Official Platform for ALAEQ. <i>Journal of Chemical Ecology</i> , 2018, 44, 102-102.	1.8	0
82	Identification of Two Additional Behaviorally Active Gland Constituents of Female <i>Diatraea saccharalis</i> (Fabricius) (Lepidoptera: Crambidae). <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0
83	Octadecanal as the Male-Produced Aggregation Pheromone of the Coconut Weevil, <i>Amerrhinus ynca</i> (Coleoptera: Curculionidae). <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0
84	Parasitizing behavior of <i>Cervellus piranga</i> Pentead-Dias (Hymenoptera, Braconidae, Braconinae) on papaya borer weevil <i>Pseudopiazurus obesus</i> Marshall (Coleoptera, Curculionidae). <i>Revista Brasileira De Entomologia</i> , 2011, 55, 612-614.	0.4	0