JosÃ© Roberto Trigo

List of Publications by Year
in descending order

81 papers	2,163 citations	186265 28 h-index	265206 42 g-index
82 all docs	82 docs citations	82 times ranked	2277 citing authors

#	Article	IF	Citations
1	The gut microbiota of insecticide-resistant insects houses insecticide-degrading bacteria: A potential source for biotechnological exploitation. PLoS ONE, 2017, 12, e0174754.	2.5	125
2	The chemistry of antipredator defense by secondary compounds in neotropical lepidoptera: facts, perspectives and caveats. Journal of the Brazilian Chemical Society, 2000, 11, 551-561.	0.6	92
3	Determination of drug levels and the effect of diazepam on the growth of necrophagous flies of forensic importance in southeastern Brazil. Forensic Science International, 2001, 120, 140-144.	2.2	83
4	Effects of pyrrolizidine alkaloids through different trophic levels. Phytochemistry Reviews, 2011, 10, 83-98.	6.5	81
5	Pyrrolizidine alkaloids: different acquisition and use patterns in Apocynaceae and Solanaceae feeding ithomiine butterflies (Lepidoptera: Nymphalidae). Biological Journal of the Linnean Society, 1996, 58, 99-123.	1.6	77
6	Chemical composition and antimicrobial activity of the essential oils of the Amazon Guatteriopsis species. Phytochemistry, 2008, 69, 1895-1899.	2.9	77
7	The essential amino acid lysine acts as precursor of glutamate in the mammalian central nervous system. FEBS Letters, 2001, 488, 34-38.	2.8	75
8	Anti-inflammatory intestinal activity of Arctium lappa L. (Asteraceae) in TNBS colitis model. Journal of Ethnopharmacology, 2013, 146, 300-310.	4.1	73
9	Scopolamine in Brugmansia Suaveolens (Solanaceae): Defense, Allocation, Costs, and Induced Response. Journal of Chemical Ecology, 2007, 33, 297-309.	1.8	66
10	The role of nectar production, flower pigments and odour in the pollination of four species of Passiflora (Passifloraceae) in south-eastern Brazil. Botanical Journal of the Linnean Society, 2001, 136, 139-152.	1.6	61
11	Pyrrolizidine alkaloids in the arctiid mothHyalurga syma. Journal of Chemical Ecology, 1993, 19, 669-679.	1.8	57
12	Semiochemicals derived from pyrrolizidine alkaloids in male ithomiine butterflies (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.3	50
13	Variation of pyrrolizidine alkaloids in Ithomiinae: A comparative study between species feeding on Apocynaceae and Solanaceae. Chemoecology, 1990, 1, 22-29.	1.1	46
14	Preventive activity of pyrrolizidine alkaloids from Senecio brasiliensis (Asteraceae) on gastric and duodenal induced ulcer on mice and rats. Journal of Ethnopharmacology, 2004, 95, 345-351.	4.1	44
15	Qualitative patterns of pyrrolizidine alkaloids in ithomiinae butterflies. Biochemical Systematics and Ecology, 1996, 24, 181-188.	1.3	43
16	Pyrrolizidine alkaloid profiles in Crotalaria species from Brazil: Chemotaxonomic significance. Biochemical Systematics and Ecology, 2009, 37, 459-469.	1.3	43
17	Similarity of Cuticular Lipids Between a Caterpillar and Its Host Plant: A Way to Make Prey Undetectable for Predatory Ants?. Journal of Chemical Ecology, 2005, 31, 2551-2561.	1.8	42
18	Stereochemical inversion of pyrrolizidine alkaloids byMechanitis polymnia (Lepidoptera: Nymphalidae:) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	41

#	Article	IF	Citations
19	A free lunch? No cost for acquiring defensive plant pyrrolizidine alkaloids in a specialist arctiid moth (<i><scp>U</scp>tetheisa ornatrix</i>). Molecular Ecology, 2012, 21, 6152-6162.	3.9	39
20	Sequestration of pyrrolizidine alkaloids by larvae ofTellervo zoilus (Lepidoptera: Ithomiinae) and their role in the chemical protection of adults against the spiderNephila maculata (Araneidae). Chemoecology, 1996, 7, 68-73.	1.1	35
21	Why do larvae of Utetheisa ornatrix penetrate and feed in pods of Crotalaria species? Larval performance vs. chemical and physical constraints. Entomologia Experimentalis Et Applicata, 2006, 121, 23-29.	1.4	35
22	Tropane and pyrrolizidine alkaloids in the ithomiinesPlacidula euryanassa andMiraleria cymothoe (Lepidoptera: Nymphalidae). Chemoecology, 1996, 7, 61-67.	1.1	34
23	Quinolizidine alkaloids in Ormosia arborea seeds inhibit predation but not hoarding by agoutis (Dasyprocta leporina). Journal of Chemical Ecology, 2003, 29, 1065-1072.	1.8	34
24	Chemotaxonomic value of pyrrolizidine alkaloids in southern Brazil Senecio (Senecioneae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.3	33
25	Attracting Predators without Falling Prey: Chemical Camouflage Protects Honeydewâ€Producing Treehoppers from Ant Predation. American Naturalist, 2010, 175, 261-268.	2.1	33
26	Sesquiterpene and polyacetylene profile of the Bidens pilosa complex (Asteraceae: Heliantheae) from Southeast of Brazil. Biochemical Systematics and Ecology, 2005, 33, 479-486.	1.3	32
27	Extrafloral nectaries as a deterrent mechanism against seed predators in the chemically protected weed Crotalaria pallida (Leguminosae). Austral Ecology, 2006, 31, 776-782.	1.5	32
28	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
29	Feeding on Host Plants with Different Concentrations and Structures of Pyrrolizidine Alkaloids Impacts the Chemical-Defense Effectiveness of a Specialist Herbivore. PLoS ONE, 2015, 10, e0141480.	2.5	30
30	Anti-Ulcerogenic Mechanisms of the Sesquiterpene Lactone Onopordopicrin-Enriched Fraction from Arctium lappa L. (Asteraceae): Role of Somatostatin, Gastrin, and Endogenous Sulfhydryls and Nitric Oxide. Journal of Medicinal Food, 2012, 15, 378-383.	1.5	27
31	Evolutionary implications of pyrrolizidine alkaloid assimilation by danaine and ithomiine larvae (Lepidoptera: Nymphalidae). Experientia, 1990, 46, 332-334.	1.2	26
32	New records of pyrrolizidine alkaloid-feeding insects. Hemiptera and Coleoptera on Senecio brasiliensis. Biochemical Systematics and Ecology, 2000, 28, 313-318.	1.3	26
33	Faecal shield of the tortoise beetle Plagiometriona aff. flavescens (Chrysomelidae: Cassidinae) as chemically mediated defence against predators. Journal of Tropical Ecology, 2005, 21, 189-194.	1.1	26
34	Structure-activity relationships of pyrrolizidine alkaloids in insect chemical defense against the orb-weaving spider Nephila clavipes. Journal of Chemical Ecology, 2002, 28, 657-668.	1.8	24
35	Encapsulation and release of a fluorescent probe, khusimyl dansylate, obtained from vetiver oil by complex coacervation. Flavour and Fragrance Journal, 2008, 23, 7-15.	2.6	24
36	Ants have a negative rather than a positive effect on extrafloral nectaried Crotalaria pallida performance. Acta Oecologica, 2013, 51, 49-53.	1.1	23

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37	Insect mortality in Spathodea campanulata Beauv. (Bignoniaceae) flowers. Revista Brasileira De Biologia, 2000, 60, 537-538.	0.3	21
38	Identification of sex pheromones of Lutzomyia longipalpis (Lutz & Neiva, 1912) populations from the state of SÃ£o Paulo, Brazil. Memorias Do Instituto Oswaldo Cruz, 2006, 101, 113-115.	1.6	20
39	Storage and metabolism of radioactively labeled pyrrolizidine alkaloids by butterflies and larvae of Mechanitis polymnia (Lepidoptera: Nymphalidae, Ithomiinae). Chemoecology, 2000, 10, 25-32.	1.1	19
40	Do fecal shields provide physical protection to larvae of the tortoise beetles Plagiometriona flavescens and Stolas chalybea against natural enemies?. Entomologia Experimentalis Et Applicata, 2002, 104, 203-206.	1.4	18
41	Varying Herbivore Population Structure Correlates with Lack of Local Adaptation in a Geographic Variable Plant-Herbivore Interaction. PLoS ONE, 2011, 6, e29220.	2.5	18
42	Pterodon pubescens and Cordia verbenacea association promotes a synergistic response in antinociceptive model and improves the anti-inflammatory results in animal models. Biomedicine and Pharmacotherapy, 2019, 112, 108693.	5.6	18
43	The role of nectar production, flower pigments and odour in the pollination of four species of Passiflora (Passifloraceae) in south-eastern Brazil. Botanical Journal of the Linnean Society, 2001, 136, 139-152.	1.6	18
44	Modulation of gastrin and epidermal growth factor by pyrrolizidine alkaloids obtained from Senecio brasiliensis in acute and chronic induced gastric ulcers. Canadian Journal of Physiology and Pharmacology, 2004, 82, 319-325.	1.4	15
45	Chemical Variation in the Volatiles of<i>Copaifera reticulata</i>Ducke (Leguminosae) Growing Wild in the States of ParÃ¡ and AmapÃ¡, Brazil. Journal of Essential Oil Research, 2009, 21, 501-503.	2.7	15
46	Variation in Volatiles ofOcimum campechianumMill. andOcimum gratissimumL. Cultivated in the North of Brazil. Journal of Essential Oil-bearing Plants: JEOP, 2007, 10, 229-240.	1.9	13
47	Sex Pheromone of the American Warble Fly, Dermatobia hominis: The Role of Cuticular Hydrocarbons. Journal of Chemical Ecology, 2008, 34, 636-646.	1.8	13
48	Chemical tools to distinguish the fire ant species Solenopsis invicta and S. saevissima (Formicidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	13
49	Volatiles of Oleoresins ofCopaifera paupera(Herzog) DwyerC. piresiiDwyer andC. pubifloraBenth. (Leguminosae). Journal of Essential Oil Research, 2009, 21, 403-404.	2.7	13
50	Variation of diastereoisomeric pyrrolizidine alkaloids in Pleurothallis (Orchidaceae). Biochemical Systematics and Ecology, 2001, 29, 45-52.	1.3	12
51	Pyrrolizidine Alkaloids Negatively Affect a Generalist Herbivore Feeding on the Chemically Protected Legume Crotalaria pallida. Neotropical Entomology, 2016, 45, 252-257.	1.2	12
52	Chapter 4 The Ecological Activity of Alkaloids. Alkaloids: Chemistry and Pharmacology, 1995, 47, 227-354.	0.2	11
53	The selective florivory of <i><scp>E</scp>rioscelis emarginata</i> matches its role as a pollinator of <i><scp>P</scp>hilodendron</i>. Entomologia Experimentalis Et Applicata, 2015, 156, 290-300.	1.4	11
54	Pyrrolizidine alkaloids necine bases:Ab initio, semiempirical, and molecular mechanics approaches to molecular properties. Journal of Computational Chemistry, 1996, 17, 156-166.	3.3	10

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55	Pyrrolizidine alkaloids in three Senecio species from southern Brazil. Biochemical Systematics and Ecology, 2004, 32, 1219-1222.	1.3	10
56	Chemical and phylogenetic relationships among Aristolochia L. (Aristolochiaceae) from southeastern Brazil. Biochemical Systematics and Ecology, 2006, 34, 291-302.	1.3	10
57	Bottomâ€up effects on a plantâ€endophageâ€parasitoid system: The role of flowerâ€head size and chemistry. Austral Ecology, 2010, 35, 104-115.	1.5	10
58	Are Aristolochic Acids Responsible for the Chemical Defence of Aposematic Larvae of Battus polydamas (L.) (Lepidoptera: Papilionidae)?. Neotropical Entomology, 2013, 42, 558-564.	1.2	10
59	Preference for high concentrations of plant pyrrolizidine alkaloids in the specialist arctiid moth Utetheisa ornatrix depends on previous experience. Arthropod-Plant Interactions, 2013, 7, 169-175.	1.1	10
60	Southern Monarchs do not Develop Learned Preferences for Flowers With Pyrrolizidine Alkaloids. Journal of Chemical Ecology, 2015, 41, 662-669.	1.8	10
61	Coenzyme Q₁₀ protects against Î²â€cell toxicity induced by pravastatin treatment of hypercholesterolemia. Journal of Cellular Physiology, 2019, 234, 11047-11059.	4.1	10
62	Methyl Jasmonate Increases the Tropane Alkaloid Scopolamine and Reduces Natural Herbivory in Brugmansia suaveolens: Is Scopolamine Responsible for Plant Resistance?. Neotropical Entomology, 2012, 41, 2-8.	1.2	9
63	Host-plant flowering status and the concentration of sugar in phloem sap: Effects on an ant-treehopper interaction. European Journal of Entomology, 2005, 102, 201-208.	1.2	9
64	Multi-level complexity in the use of plant allelochemicals by aposematic insects. Chemoecology, 1994, 5-6, 119-126.	1.1	7
65	Faecal shield chemical defence is not important in larvae of the tortoise beetle Chelymorpha reimoseri (Chrysomelidae: Cassidinae: Stolaini). Chemoecology, 2009, 19, 63-66.	1.1	7
66	Sabotaging behaviour and minimal latex of <i>Asclepias curassavica</i> incur no cost for larvae of the southern monarch butterfly <i>Danaus erippus</i>. Ecological Entomology, 2010, 35, 504-513.	2.2	7
67	Chemical convergence between a guild of facultative myrmecophilous caterpillars and host plants. Ecological Entomology, 2021, 46, 66-75.	2.2	7
68	Host Plant Invests in Growth Rather than Chemical Defense When Attacked by a Specialist Herbivore. Journal of Chemical Ecology, 2011, 37, 492-495.	1.8	6
69	Hiding in Plain Sight: Cuticular Compound Profile Matching Conceals a Larval Tortoise Beetle in its Host Chemical Cloud. Journal of Chemical Ecology, 2014, 40, 341-354.	1.8	6
70	The geographical and seasonal mosaic in a plant-herbivore interaction: patterns of defences and herbivory by a specialist and a non-specialist. Scientific Reports, 2019, 9, 15206.	3.3	6
71	Volatiles released by damaged leaves of Piper mollicomum (Piperaceae) act as cues for predaceous wasps: evidence using plasticine dummies as herbivore model. Arthropod-Plant Interactions, 2019, 13, 593-601.	1.1	6
72	Chemical defence of the warningly coloured caterpillars of Methona themisto (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	1.2	6

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73	The specialization continuum: Decision-making in butterflies with different diet requirements. Behavioural Processes, 2019, 165, 14-22.	1.1	5
74	Ants visiting extrafloral nectaries and pyrrolizidine alkaloids may shape how a specialist herbivore feeds on its host plants. Arthropod-Plant Interactions, 2017, 11, 629-639.	1.1	4
75	The relationship between queen execution and cuticular hydrocarbons in stingless bee Melipona scutellaris (Hymenoptera: Meliponini). Chemoecology, 2017, 27, 25-32.	1.1	4
76	Pyrrolizidine alkaloids: different acquisition and use patterns in Apocynaceae and Solanaceae feeding ithomiine butterflies (Lepidoptera: Nymphalidae). Biological Journal of the Linnean Society, 1996, 58, 99-123.	1.6	4
77	Native or nonnative host plants: What is better for a specialist moth?. Biological Invasions, 2018, 20, 849-860.	2.4	3
78	Danaus butterflies of the Americas do not perform leaf-scratching. Arthropod-Plant Interactions, 2020, 14, 521-529.	1.1	3
79	Volatiles of Inflorescences, Leaves, Stems and Roots ofAgeratum conyzoidesL. growing Wild in the North of Brazil. Journal of Essential Oil-bearing Plants: JEOP, 2007, 10, 297-303.	1.9	2
80	Pyrrolizidine Alkaloids in the Pericopine MothScearctia figulina(Erebidae: Arctiinae): Metabolism and Chemical Defense. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
81	Essential Oil Composition of<i>Bacopa imbricate</i>(Benth.) Pennel Collected at Wet and Dry Amazonian Seasons. Journal of Essential Oil Research, 2008, 20, 3-4.	2.7	0