Ralph A Saporito

List of Publications by Year
in descending order

52 papers	2,014 citations	279798 23 h-index	276875 41 g-index
54 all docs	54 docs citations	54 times ranked	1095 citing authors

#	Article	IF	Citations
1	Doseâ€dependent alkaloid sequestration and Nâ€methylation of decahydroquinoline in poison frogs. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2022, 337, 537-546.	1.9	8
2	Deoxybuzonamine Isomers from the Millipede Brachycybe lecontii (Platydesmida:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	3.0	4
3	Chemical defenses shift with the seasonal vertical migration of a Panamanian poison frog. Biotropica, 2021, 53, 28-37.	1.6	14
4	Piperidine alkaloids from fire ants are not sequestered by the green and black poison frog (Dendrobates auratus). Chemoecology, 2021, 31, 391-396.	1.1	5
5	Total Synthesis of Decahydroquinoline Poison Frog Alkaloids ent-cis-195A and cis-211A. Molecules, 2021, 26, 7529.	3.8	5
6	Gosodesmine, a 7-Substituted Hexahydroindolizine from the Millipede Gosodesmus claremontus. Journal of Natural Products, 2020, 83, 2764-2768.	3.0	3
7	Use of wholeâ€body cryosectioning and desorption electrospray ionization mass spectrometry imaging to visualize alkaloid distribution in poison frogs. Journal of Mass Spectrometry, 2020, 55, e4520.	1.6	14
8	Transcriptomic Signatures of Experimental Alkaloid Consumption in a Poison Frog. Genes, 2019, 10, 733.	2.4	12
9	Experimental evidence for maternal provisioning of alkaloid defenses in a dendrobatid frog. Toxicon, 2019, 161, 40-43.	1.6	13
10	Geographically separated orange and blue populations of the Amazonian poison frog Adelphobates galactonotus (Anura, Dendrobatidae) do not differ in alkaloid composition or palatability. Chemoecology, 2019, 29, 225-234.	1.1	9
11	Weak warning signals can persist in the absence of gene flow. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19037-19045.	7.1	42
12	Sequestered Alkaloid Defenses in the Dendrobatid Poison Frog Oophaga pumilio Provide Variable Protection from Microbial Pathogens. Journal of Chemical Ecology, 2018, 44, 312-325.	1.8	26
13	Comment on AmÃ©zquita etÂal. (2017) â€œConspicuousness, color resemblance, and toxicity in geographically diverging mimicry: The pan-Amazonian frogAllobates femoralisâ€• Evolution; International Journal of Organic Evolution, 2018, 72, 1009-1014.	2.3	12
14	The Chemistry of Some Dalodesmidean Millipedes from Tasmania (Diplopoda, Polydesmida). Journal of Natural Products, 2018, 81, 171-177.	3.0	6
15	An Empirical Test Indicates Only Qualitatively Honest Aposematic Signaling Within a Population of Vertebrates. Journal of Herpetology, 2018, 52, 201-208.	0.5	9
16	Behavioural preference for low levels of UV-B radiation in two neotropical frog species from Costa Rica. Journal of Tropical Ecology, 2018, 34, 336-340.	1.1	4
17	The palatability of Neotropical poison frogs in predatorâ€prey systems: do alkaloids make the difference?. Biotropica, 2017, 49, 23-26.	1.6	11
18	Variable Alkaloid Defenses in the Dendrobatid Poison Frog Oophaga pumilio are Perceived as Differences in Palatability to Arthropods. Journal of Chemical Ecology, 2017, 43, 273-289.	1.8	30

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19	Escape behaviour of aposematic (Oophaga pumilio) and cryptic (Craugastor sp.) frogs in response to simulated predator approach. Journal of Tropical Ecology, 2017, 33, 165-169.	1.1	15
20	Chemical characterization of the adhesive secretions of the salamander Plethodon shermani (Caudata, Plethodontidae). Scientific Reports, 2017, 7, 6647.	3.3	20
21	Bufadienolide and alkaloid-based chemical defences in two different species of neotropical anurans are equally effective against the same arthropod predators. Journal of Tropical Ecology, 2016, 32, 165-169.	1.1	9
22	Warning signal properties covary with toxicity but not testosterone or aggregate carotenoids in a poison frog. Evolutionary Ecology, 2016, 30, 601-621.	1.2	17
23	Color Assortative Mating in a Mainland Population of the Poison Frog Oophaga pumilio. Ethology, 2016, 122, 851-858.	1.1	16
24	Arthropod predation in a dendrobatid poison frog: does frog life stage matter?. Zoology, 2016, 119, 169-174.	1.2	29
25	The relationship between poison frog chemical defenses and age, body size, and sex. Frontiers in Zoology, 2015, 12, 27.	2.0	34
26	Variation in alkaloid-based microbial defenses of the dendrobatid poison frog Oophaga pumilio. Chemoecology, 2015, 25, 169-178.	1.1	31
27	Frog or Fruit? The Importance of Color and Shape to Bird Predators in Clay Model Experiments. Copeia, 2015, 103, 58-63.	1.3	17
28	Sequestered and Synthesized Chemical Defenses in the Poison Frog Melanophryniscus moreirae. Journal of Chemical Ecology, 2015, 41, 505-512.	1.8	28
29	Individual and Geographic Variation of Skin Alkaloids in Three Swamp-Forest Species of Madagascan Poison Frogs (Mantella). Journal of Chemical Ecology, 2015, 41, 837-847.	1.8	10
30	Taxonomic distribution of defensive alkaloids in Nearctic oribatid mites (Acari, Oribatida). Experimental and Applied Acarology, 2015, 67, 317-333.	1.6	21
31	Evidence of maternal provisioning of alkaloidâ€based chemical defenses in the strawberry poison frog Oophaga pumilio. Ecology, 2014, 95, 587-593.	3.2	72
32	Alkaloid defenses of co-mimics in a putative MÃ¼llerian mimetic radiation. BMC Evolutionary Biology, 2014, 14, 76.	3.2	26
33	A Test of Aposematism in the Dendrobatid Poison FrogOophaga pumilio: The Importance of Movement in Clay Model Experiments. Journal of Herpetology, 2014, 48, 249-254.	0.5	59
34	Dietary Alkaloid Sequestration in a Poison Frog: An Experimental Test of Alkaloid Uptake in Melanophryniscus stelzneri (Bufonidae). Journal of Chemical Ecology, 2013, 39, 1400-1406.	1.8	57
35	Stereoselective Total Synthesis of (â€“)â€Batzellasides A, B, and C. European Journal of Organic Chemistry, 2013, 2013, 2841-2848.	2.4	6
36	Not all colors are equal: predation and color polytypism in the aposematic poison frog Oophaga pumilio. Evolutionary Ecology, 2013, 27, 831-845.	1.2	54

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37	Synthesis and Biological Activities of the 3,5â€Disubstituted Indolizidine Poison Frog Alkaloid 239Q and Its Congeners. European Journal of Organic Chemistry, 2012, 2012, 7082-7092.	2.4	15
38	Sequestered defensive toxins in tetrapod vertebrates: principles, patterns, and prospects for future studies. Chemoecology, 2012, 22, 141-158.	1.1	96
39	The occurrence of defensive alkaloids in non-integumentary tissues of the Brazilian red-belly toad Melanophryniscus simplex (Bufonidae). Chemoecology, 2012, 22, 169-178.	1.1	29
40	A review of chemical ecology in poison frogs. Chemoecology, 2012, 22, 159-168.	1.1	162
41	Contrasting Colors of an Aposematic Poison Frog Do Not Affect Predation. Annales Zoologici Fennici, 2011, 48, 29-38.	0.6	42
42	Alkaloids in the Mite Scheloribates laevigatus: Further Alkaloids Common to Oribatid Mites and Poison Frogs. Journal of Chemical Ecology, 2011, 37, 213-218.	1.8	38
43	Sex-Related Differences in Alkaloid Chemical Defenses of the Dendrobatid Frog Oophaga pumilio from Cayo Nancy, Bocas del Toro, Panama. Journal of Natural Products, 2010, 73, 317-321.	3.0	55
44	Roughing It: A Mantellid Poison Frog Shows Greater Alkaloid Diversity in Some Disturbed Habitats. Journal of Natural Products, 2010, 73, 322-330.	3.0	15
45	Arthropod Alkaloids in Poison Frogs: A Review of the â€˜Dietary Hypothesisâ€™. Heterocycles, 2009, 79, 277.	0.7	117
46	N-Methyldecahydroquinolines: An Unexpected Class of Alkaloids from Amazonian Poison Frogs (Dendrobatidae). Journal of Natural Products, 2009, 72, 1110-1114.	3.0	30
47	Individual and Geographic Variation of Skin Alkaloids in Three Species of Madagascan Poison Frogs (Mantella). Journal of Chemical Ecology, 2008, 34, 252-279.	1.8	32
48	Oribatid mites as a major dietary source for alkaloids in poison frogs. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8885-8890.	7.1	144
49	Spatial and temporal patterns of alkaloid variation in the poison frog Oophaga pumilio in Costa Rica and Panama over 30 years. Toxicon, 2007, 50, 757-778.	1.6	112
50	Experimental Evidence for Aposematism in the Dendrobatid Poison Frog Oophaga pumilio. Copeia, 2007, 2007, 1006-1011.	1.3	145
51	Geographic and Seasonal Variation in Alkaloid-Based Chemical Defenses of Dendrobates pumilio from Bocas del Toro, Panama. Journal of Chemical Ecology, 2006, 32, 795-814.	1.8	81
52	Formicine ants: An arthropod source for the pumiliotoxin alkaloids of dendrobatid poison frogs. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8045-8050.	7.1	149