

Rafael Lucas Rodríguez

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,015
citations

236925

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182427

51
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82
all docs

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docs citations

82
times ranked

2221
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive-to-negative behavioural responses suggest hedonic evaluation in treefrog mate choice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211822.	2.6	0
2	Mastering a 1.2â€°K hysteresis for martensitic para-ferromagnetic partial transformation in Ni-Mn(Cu)-Ga magnetocaloric material via binder jet 3D printing. <i>Additive Manufacturing</i> , 2021, 37, 101560.	3.0	6
3	Evolutionary novelty in communication between the sexes. <i>Biology Letters</i> , 2021, 17, 20200733.	2.3	15
4	Juvenile social experience and practice have a switchâ€”like influence on adult mate preferences in an insect. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1106-1116.	2.3	7
5	Black widow spiders use path integration on their webs. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	6
6	Adaptation without Specialization Early in a Host Shift. <i>American Naturalist</i> , 2021, 198, 333-346.	2.1	1
7	Back to the Basics of Mate Choice: The Evolutionary Importance of Darwinâ€™s Sense of Beauty. <i>Quarterly Review of Biology</i> , 2020, 95, 289-309.	0.1	8
8	The relationship between a combinatorial processing rule and a continuous mate preference function in an insect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201278.	2.6	2
9	The web architecture of <i>Latrodectus hesperus</i> black widow spiders (Araneae: Theridiidae) shows genetic variation and sexual dimorphism, but no plasticity according to the experience of the site of prey capture. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	2
10	Combinatorial Signal Processing in an Insect. <i>American Naturalist</i> , 2020, 196, 406-413.	2.1	5
11	Repeatability but no shortâ€”term plasticity in the web architecture of <i>Latrodectus hesperus</i> western black widow spiders (Araneae: Theridiidae). <i>Ethology</i> , 2020, 126, 313-319.	1.1	2
12	Social ontogeny in the communication system of an insect. <i>Animal Behaviour</i> , 2019, 148, 93-103.	1.9	8
13	Signalling interactions during ontogeny are a cause of social plasticity in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Behavioural Processes</i> , 2019, 166, 103887.	1.1	6
14	Miniature spiders (with miniature brains) forget sooner. <i>Animal Behaviour</i> , 2019, 153, 25-32.	1.9	6
15	Why the Static Allometry of Sexually-Selected Traits Is So Variable: The Importance of Function. <i>Integrative and Comparative Biology</i> , 2019, 59, 1290-1302.	2.0	27
16	Causes of Variation in the Static Allometry of Morphological Structures: A Case Study with Vervet Monkeys. , 2019, , 224-232.		0
17	On the architecture of mate choice decisions: preference functions and choosiness are distinct traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182830.	2.6	20
18	Vibrational Signals: Sounds Transmitted Through Solids. , 2019, , 508-517.		2

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19	Indirect Genetic Effects. , 2019, , 49-55.		0
20	Copulatory Courtship with Vibrational Signals. <i>Animal Signals and Communication</i> , 2019, , 79-89.	0.8	5
21	Female mate choice of male signals is unlikely to promote ecological adaptation in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Ecology and Evolution</i> , 2018, 8, 2146-2159.	1.9	3
22	Mechanisms of Assortative Mating in Speciation with Gene Flow: Connecting Theory and Empirical Research. <i>American Naturalist</i> , 2018, 191, 1-20.	2.1	169
23	Between-group variation in <i>Enchenopa</i> treehopper juvenile signaling (Hemiptera Membracidae). <i>Ethology Ecology and Evolution</i> , 2018, 30, 245-255.	1.4	9
24	Ontogenetic approach reveals how cognitive capability and motivation shape prey-searching behavior in <i>Pholcus phalangioides</i> cellar spiders. <i>Ethology</i> , 2018, 124, 657-666.	1.1	3
25	Theory Meets Empiry: A Citation Network Analysis. <i>BioScience</i> , 2018, 68, 805-812.	4.9	11
26	Sexual Selection and Static Allometry: The Importance of Function. <i>Quarterly Review of Biology</i> , 2018, 93, 207-250.	0.1	113
27	Do structures with sexual contact functions evolve negative static allometries? A case study with the harvestman <i>Leiobunum vittatum</i> (Opiliones Sclerosomatidae). <i>Ethology Ecology and Evolution</i> , 2017, 29, 64-73.	1.4	4
28	Describing mate preference functions and other function-valued traits. <i>Journal of Evolutionary Biology</i> , 2017, 30, 1658-1673.	1.7	45
29	Beyond temperature coupling: Effects of temperature on ectotherm signaling and mate choice and the implications for communication in multispecies assemblages. <i>Ecology and Evolution</i> , 2017, 7, 5992-6002.	1.9	19
30	Local population density and group composition influence the signal-preference relationship in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Journal of Evolutionary Biology</i> , 2017, 30, 13-25.	1.7	22
31	Ordinary least squares regression is indicated for studies of allometry. <i>Journal of Evolutionary Biology</i> , 2017, 30, 4-12.	1.7	180
32	Males adjust their signalling behaviour according to experience of male signals and male-female signal duets. <i>Journal of Evolutionary Biology</i> , 2016, 29, 766-776.	1.7	21
33	Cognitive Phenotypes and the Evolution of Animal Decisions. <i>Trends in Ecology and Evolution</i> , 2016, 31, 850-859.	8.7	41
34	The causes of variation in the presence of genetic covariance between sexual traits and preferences. <i>Biological Reviews</i> , 2016, 91, 498-510.	10.4	20
35	Variation in signal-preference genetic correlations in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Journal of Evolutionary Biology</i> , 2016, 29, 1077-1087.	1.9	7
36	Mating Is a Give-and-Take of Influence and Communication Between the Sexes. , 2015, , 479-496.		15

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37	Vibrational Signals and Mating Behavior of Japanese Beetles (Coleoptera: Scarabaeidae). <i>Annals of the Entomological Society of America</i> , 2015, 108, 986-992.	2.5	7
38	The static allometry of sexual and nonsexual traits in vervet monkeys. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 527-537.	1.6	38
39	Adult age confounds estimates of static allometric slopes in a vertebrate. <i>Ethology Ecology and Evolution</i> , 2015, 27, 412-421.	1.4	35
40	<i>Nephila clavipes</i> spiders (Araneae: Nephilidae) keep track of captured prey counts: testing for a sense of numerosity in an orb-weaver. <i>Animal Cognition</i> , 2015, 18, 307-314.	1.8	41
41	Insect mating signal and mate preference phenotypes covary among host plant genotypes. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 602-610.	2.3	24
42	How acoustic signals scale with individual body size: common trends across diverse taxa. <i>Behavioral Ecology</i> , 2015, 26, 168-177.	2.2	50
43	Trees to treehoppers: genetic variation in host plants contributes to variation in the mating signals of a plant-feeding insect. <i>Ecology Letters</i> , 2014, 17, 203-210.	6.4	15
44	Male <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae) vary mate-searching behavior but not signaling behavior in response to spider silk. <i>Die Naturwissenschaften</i> , 2014, 101, 211-220.	1.6	6
45	Mutual Behavioral Adjustment in Vibrational Duetting. <i>Animal Signals and Communication</i> , 2014, , 147-169.	0.8	12
46	Genetic Variation in Host Plants Influences the Mate Preferences of a Plant-Feeding Insect. <i>American Naturalist</i> , 2014, 184, 489-499.	2.1	16
47	Repeatability of mate preference functions in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Animal Behaviour</i> , 2013, 85, 493-499.	1.9	22
48	Contributions of natural and sexual selection to the evolution of premating reproductive isolation: a research agenda. <i>Trends in Ecology and Evolution</i> , 2013, 28, 643-650.	8.7	158
49	Green symphonies or wind in the willows? Testing acoustic communication in plants. <i>Behavioral Ecology</i> , 2013, 24, 797-798.	2.2	10
50	The evolution and evolutionary consequences of social plasticity in mate preferences. <i>Animal Behaviour</i> , 2013, 85, 1041-1047.	1.9	83
51	Curves as traits: genetic and environmental variation in mate preference functions. <i>Journal of Evolutionary Biology</i> , 2013, 26, 434-442.	1.7	45
52	Diversification under sexual selection: the relative roles of mate preference strength and the degree of divergence in mate preferences. <i>Ecology Letters</i> , 2013, 16, 964-974.	6.4	81
53	Memory of prey larders in golden orb-web spiders, <i>Nephila clavipes</i> (Araneae: Nephilidae). <i>Behaviour</i> , 2013, 150, 1345-1356.	0.8	11
54	Genetic variation in social influence on mate preferences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130803.	2.6	34

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55	Males adjust signaling effort based on female mate-preference cues. <i>Behavioral Ecology</i> , 2012, 23, 1218-1225.	2.2	51
56	Vibrational playback by means of airborne stimuli. <i>Journal of Experimental Biology</i> , 2012, 215, 3513-8.	1.7	11
57	Causes of variation in sexual allometry: a case study with the mating signals and genitalia of <i>Enchenopa</i> treehoppers (Hemiptera Membracidae). <i>Ethology Ecology and Evolution</i> , 2012, 24, 187-197.	1.4	27
58	Genotype×environment interaction in the allometry of body, genitalia and signal traits in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Biological Journal of the Linnean Society</i> , 2012, 105, 187-196.	1.6	12
59	EXPERIENCE-MEDIATED PLASTICITY IN MATE PREFERENCES: MATING ASSURANCE IN A VARIABLE ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 459-468.	2.3	99
60	Grain of environment explains variation in the strength of genotype×environment interaction. <i>Journal of Evolutionary Biology</i> , 2012, 25, 1897-1901.	1.7	8
61	The evolution of experience-mediated plasticity in mate preferences. <i>Journal of Evolutionary Biology</i> , 2012, 25, 1855-1863.	1.7	58
62	Allometric Slopes Not Underestimated by Ordinary Least Squares Regression: A Case Study With <i>Enchenopa</i> Treehoppers (Hemiptera: Membracidae). <i>Annals of the Entomological Society of America</i> , 2011, 104, 562-566.	2.5	27
63	Enigmatic ornamentation eases male reliance on courtship performance for mating success. <i>Animal Behaviour</i> , 2011, 81, 963-972.	1.9	26
64	Genotype×environment interaction is weaker in genitalia than in mating signals and body traits in <i>Enchenopa</i> treehoppers (Hemiptera: Membracidae). <i>Genetica</i> , 2011, 139, 871-884.	1.1	21
65	Estimating the repeatability of memories of captured prey formed by <i>Frontinella communis</i> spiders (Araneae: Linyphiidae). <i>Animal Cognition</i> , 2011, 14, 675-682.	1.8	15
66	Trait duplication by means of sensory bias. <i>Behavioral Ecology</i> , 2009, 20, 1376-1381.	2.2	16
67	Host Shifts, the Evolution of Communication, and Speciation in the <i>Enchenopa binotata</i> Species Complex of Treehoppers. , 2008, , 88-100.		27
68	HOST SHIFTS AND THE BEGINNING OF SIGNAL DIVERGENCE. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 62, 071115145922004-???.	2.3	26
69	Divergence in Female Duetting Signals in the <i>Enchenopa binotata</i> Species Complex of Treehoppers (Hemiptera: Membracidae). <i>Ethology</i> , 2006, 112, 1231-1238.	1.1	50
70	Evidence that female preferences have shaped male signal evolution in a clade of specialized plant-feeding insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2585-2593.	2.6	126
71	The contribution of tympanic transmission to fine temporal signal evaluation in an ultrasonic moth. <i>Journal of Experimental Biology</i> , 2005, 208, 4159-4165.	1.7	26
72	The Behavioral Ecology of Insect Vibrational Communication. <i>BioScience</i> , 2005, 55, 323.	4.9	443

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73	Behavioural context regulates dual function of ultrasonic hearing in lesser waxmoths: bat avoidance and pair formation. <i>Physiological Entomology</i> , 2004, 29, 159-168.	1.5	43
74	VIBRATIONAL COMMUNICATION AND REPRODUCTIVE ISOLATION IN THE ENCHENOPA BINOTATA SPECIES COMPLEX OF TREEHOPPERS (HEMIPTERA: MEMBRACIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 571.	2.3	2
75	VIBRATIONAL COMMUNICATION AND REPRODUCTIVE ISOLATION IN THE ENCHENOPA BINOTATA SPECIES COMPLEX OF TREEHOPPERS (HEMIPTERA: MEMBRACIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 571-578.	2.3	107
76	Genotype×environment interaction and the reliability of mating signals. <i>Animal Behaviour</i> , 2004, 68, 1461-1468.	1.9	112
77	Vibrational communication and reproductive isolation in the <i>Enchenopa binotata</i> species complex of treehoppers (Hemiptera: Membracidae). <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 571-8.	2.3	20
78	GENETIC VARIANCE AND PHENOTYPIC PLASTICITY IN A COMPONENT OF FEMALE MATE CHOICE IN AN ULTRASONIC MOTH. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1304-1313.	2.3	73
79	Host shifts and signal divergence: mating signals covary with host use in a complex of specialized plant-feeding insects. <i>Biological Journal of the Linnean Society</i> , 0, 99, 60-72.	1.6	90
80	Static allometry of a threat device that is not a weapon: wing spots in male <i>Heterandrium fallax</i> (Hymenoptera Agaonidae). <i>Ethology Ecology and Evolution</i> , 0, , 1-12.	1.4	0