EmÃ-lia P Martins

List of Publications by Year
in descending order

78 papers	6,259 citations	136940 32 h-index	69246 77 g-index
82 all docs	82 docs citations	82 times ranked	5174 citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence data uncover patterns of allopatric divergence and interspecies interactions in the evolutionary history of Sceloporus lizards. Ecology and Evolution, 2021, 11, 2796-2813.	1.9	7
2	Composition and compound proportions affect the response to complex chemical signals in a spiny lizard. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	11
3	Evolutionary loss of a signalling colour is linked to increased response to conspecific chemicals. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210256.	2.6	4
4	Co-occurring Environmental Stressors have Emerging Impacts on Sensory-Motor Behavior. Integrative and Comparative Biology, 2021, 61, 1191-1201.	2.0	1
5	Brain transcriptomic responses of Yarrow's spiny lizard, Sceloporus jarrovii , to conspecific visual or chemical signals. Genes, Brain and Behavior, 2021, 20, e12753.	2.2	0
6	Wild Zebrafish Sentinels: Biological Monitoring of Site Differences Using Behavior and Morphology. Toxics, 2021, 9, 165.	3.7	5
7	Information out of the blue: phenotypic correlates of abdominal color patches in Sceloporus lizards. Zoology, 2021, 149, 125961.	1.2	3
8	A Bayesian extension of phylogenetic generalized least squares: Incorporating uncertainty in the comparative study of trait relationships and evolutionary rates. Evolution; International Journal of Organic Evolution, 2020, 74, 311-325.	2.3	8
9	Reversibility of Multimodal Shift: Zebrafish Shift to Olfactory Cues When the Visual Environment Changes. Integrative and Comparative Biology, 2020, 60, 33-42.	2.0	7
10	Collective Behavior in Wild Zebrafish. Zebrafish, 2020, 17, 243-252.	1.1	26
11	Structural Identification, Synthesis and Biological Activity of Two Volatile Cyclic Dipeptides in a Terrestrial Vertebrate. Scientific Reports, 2020, 10, 4303.	3.3	10
12	Reconstructing historical shifts in suitable habitat of Sceloporus lineages using phylogenetic niche modelling. Journal of Biogeography, 2020, 47, 2117-2128.	3.0	11
13	Volatile fatty acid and aldehyde abundances evolve with behavior and habitat temperature in Sceloporus lizards. Behavioral Ecology, 2020, 31, 978-991.	2.2	21
14	Eye-Bulging Behavior in Lizards of the Genus Sceloporus: A Role in Chemical Communication?. Copeia, 2020, 108, 309.	1.3	1
15	Color preferences affect learning in zebrafish, Danio rerio. Scientific Reports, 2019, 9, 14531.	3.3	33
16	Using phylogenetic comparative methods to gain insight into the evolution of social complexity. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	3
17	Losing the trait without losing the signal: Evolutionary shifts in communicative colour signalling. Journal of Evolutionary Biology, 2019, 32, 320-330.	1.7	14
18	Predatory lizards perceive plantâ€derived volatile odorants. Ecology and Evolution, 2019, 9, 4733-4738.	1.9	9

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19	Effects of short-term turbidity on sensory preference and behaviour of adult fish. Animal Behaviour, 2018, 146, 105-111.	1.9	22
20	Recent experience impacts social behavior in a novel context by adult zebrafish (Danio rerio). PLoS ONE, 2018, 13, e0204994.	2.5	18
21	Trade-offs between visual and chemical behavioral responses. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	11
22	Informationâ€gathering as a response to manipulated signals in the eastern fence lizard, Sceloporus undulatus. Ethology, 2018, 124, 684-690.	1.1	11
23	In Space and Time: Territorial Animals are Attracted to Conspecific Chemical Cues. Ethology, 2017, 123, 136-144.	1.1	17
24	Water flow impacts group behavior in zebrafish (Danio rerio). Behavioral Ecology, 2017, 28, 94-100.	2.2	20
25	Repeated evolution of viviparity in phrynosomatid lizards constrained interspecific diversification in some life-history traits. Biology Letters, 2016, 12, 20160653.	2.3	10
26	Shaping communicative colour signals over evolutionary time. Royal Society Open Science, 2016, 3, 160728.	2.4	19
27	Phylogenetic ANCOVA: Estimating Changes in Evolutionary Rates as Well as Relationships between Traits. American Naturalist, 2016, 188, 615-627.	2.1	16
28	Including Fossils in Phylogenetic Climate Reconstructions: A Deep Time Perspective on the Climatic Niche Evolution and Diversification of Spiny Lizards (Sceloporus). American Naturalist, 2016, 188, 133-148.	2.1	23
29	Evolutionary Interactions Between Visual and Chemical Signals: Chemosignals Compensate for the Loss of a Visual Signal in Male Sceloporus Lizards. Journal of Chemical Ecology, 2016, 42, 1164-1174.	1.8	26
30	Zebrafish Social Behavior in the Wild. Zebrafish, 2016, 13, 1-8.	1.1	124
31	Density and group size influence shoal cohesion, but not coordination in zebrafish (Danio rerio).. Journal of Comparative Psychology (Washington, D C: 1983), 2015, 129, 72-77.	0.5	34
32	Behavioral Plasticity in Response to Environmental Manipulation among Zebrafish (Danio rerio) Populations. PLoS ONE, 2015, 10, e0125097.	2.5	57
33	Taxon matters: promoting integrative studies of social behavior. Trends in Neurosciences, 2015, 38, 189-191.	8.6	51
34	Evolving from static to dynamic signals: evolutionary compensation between two communicative signals. Animal Behaviour, 2015, 102, 223-229.	1.9	29
35	Information content is more important than sensory system or physical distance in guiding the long-term evolutionary relationships between signaling modalities in Sceloporus lizards. Behavioral Ecology and Sociobiology, 2013, 67, 1513-1522.	1.4	32
36	Socially-Central Zebrafish Influence Group Behavior More than Those on the Social Periphery. PLoS ONE, 2013, 8, e55503.	2.5	29

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37	Strain differences in zebrafish (Danio rerio) social roles and their impact on group task performance.. Journal of Comparative Psychology (Washington, D C: 1983), 2011, 125, 278-285.	0.5	31
38	Population genomics of wild and laboratory zebrafish (Danio rerio). Molecular Ecology, 2011, 20, 4259-4276.	3.9	79
39	Trade-offs between reproductive coloration and innate immunity in a natural population of female sagebrush lizards,. Herpetological Journal, 2011, 21, 131-134.	0.6	7
40	Male Sagebrush Lizards (Sceloporus graciosus) Increase Exploratory Behavior Toward Females with More Courtship Experience. Herpetologica, 2010, 66, 142-147.	0.4	6
41	Food supplementation and testosterone interact to influence reproductive behavior and immune function in Sceloporus graciosus. Hormones and Behavior, 2010, 57, 134-139.	2.1	69
42	Sex-specific visual performance: female lizards outperform males in motion detection. Biology Letters, 2009, 5, 732-734.	2.3	10
43	Divergence of visual motion detection in diurnal geckos that inhabit bright and dark habitats. Functional Ecology, 2009, 23, 794-799.	3.6	14
44	Using Graph Theory Metrics to Infer Information Flow Through Animal Social Groups: A Computer Simulation Analysis. Ethology, 2009, 115, 347-355.	1.1	30
45	Effects of two courtship display components on female reproductive behaviour and physiology in the sagebrush lizard. Animal Behaviour, 2008, 75, 639-646.	1.9	43
46	Inhibitory interactions between multimodal behavioural responses may influence the evolution of complex signals. Animal Behaviour, 2008, 76, 113-121.	1.9	38
47	Courtship attention in sagebrush lizards varies with male identity and female reproductive state. Behavioral Ecology, 2008, 19, 1326-1332.	2.2	18
48	Behavioral syndromes and the evolution of correlated behavior in zebrafish. Behavioral Ecology, 2007, 18, 556-562.	2.2	249
49	The effects of early and adult social environment on zebrafish (Danio rerio) behavior. Environmental Biology of Fishes, 2007, 80, 91-101.	1.0	101
50	Display Plasticity in Response to a Robotic Lizard: Signal Matching or Song Sharing in Lizards?. Ethology, 2006, 112, 955-962.	1.1	19
51	Tracing the origins of signal diversity in anole lizards: phylogenetic approaches to inferring the evolution of complex behaviour. Animal Behaviour, 2006, 71, 1411-1429.	1.9	130
52	Trends in animal behaviour research (1968â€“2002): ethoinformatics and the mining of library databases. Animal Behaviour, 2005, 69, 1399-1413.	1.9	28
53	Combining motions into complex displays: playbacks with a robotic lizard. Behavioral Ecology and Sociobiology, 2005, 58, 351-360.	1.4	59
54	EthoSource: Storing, Sharing, and Combining Behavioral Data. BioScience, 2004, 54, 886.	4.9	5

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55	The Phylogenetic Mixed Model. American Naturalist, 2004, 163, 84-96.	2.1	252
56	The effect of anthropogenic habitat usage on the social behaviour of a vulnerable species, Cyclura nubila. Animal Conservation, 2003, 6, 3-9.	2.9	34
57	Phylogeny Shape and the Phylogenetic Comparative Method. Systematic Biology, 2002, 51, 873-880.	5.6	45
58	ADAPTIVE CONSTRAINTS AND THE PHYLOGENETIC COMPARATIVE METHOD: A COMPUTER SIMULATION TEST. Evolution; International Journal of Organic Evolution, 2002, 56, 1.	2.3	5
59	ADAPTIVE CONSTRAINTS AND THE PHYLOGENETIC COMPARATIVE METHOD: A COMPUTER SIMULATION TEST. Evolution; International Journal of Organic Evolution, 2002, 56, 1-13.	2.3	259
60	Adaptive constraints and the phylogenetic comparative method: a computer simulation test. Evolution; International Journal of Organic Evolution, 2002, 56, 1-13.	2.3	36
61	Random Sampling of Constrained Phylogenies: Conducting Phylogenetic Analyses When the Phylogeny Is Partially Known. Systematic Biology, 2001, 50, 628-639.	5.6	45
62	Estimation of Ancestral States of Continuous Characters: A Computer Simulation Study. Systematic Biology, 1999, 48, 642-650.	5.6	116
63	Estimating ancestral states of a communicative display: a comparative study ofCyclurarock iguanas. Animal Behaviour, 1998, 55, 1685-1706.	1.9	61
64	Population differences in a lizard communicative display: evidence for rapid change in structure and function. Animal Behaviour, 1998, 56, 1113-1119.	1.9	45
65	Phylogenies and the Comparative Method: A General Approach to Incorporating Phylogenetic Information into the Analysis of Interspecific Data. American Naturalist, 1997, 149, 646-667.	2.1	1,535
66	Phylogenies, Spatial Autoregression, and the Comparative Method: A Computer Simulation Test. Evolution; International Journal of Organic Evolution, 1996, 50, 1750.	2.3	39
67	CONDUCTING PHYLOGENETIC COMPARATIVE STUDIES WHEN THE PHYLOGENY IS NOT KNOWN. Evolution; International Journal of Organic Evolution, 1996, 50, 12-22.	2.3	131
68	PHYLOGENIES, SPATIAL AUTOREGRESSION, AND THE COMPARATIVE METHOD: A COMPUTER SIMULATION TEST. Evolution; International Journal of Organic Evolution, 1996, 50, 1750-1765.	2.3	93
69	TRANSLATING BETWEEN MICROEVOLUTIONARY PROCESS AND MACROEVOLUTIONARY PATTERNS: THE CORRELATION STRUCTURE OF INTERSPECIFIC DATA. Evolution; International Journal of Organic Evolution, 1996, 50, 1404-1417.	2.3	434
70	Conducting Phylogenetic Comparative Studies When the Phylogeny is not Known. Evolution; International Journal of Organic Evolution, 1996, 50, 12.	2.3	39
71	Translating Between Microevolutionary Process and Macroevolutionary Patterns: The Correlation Structure of Interspecific Data. Evolution; International Journal of Organic Evolution, 1996, 50, 1404.	2.3	218
72	Estimating the Rate of Phenotypic Evolution from Comparative Data. American Naturalist, 1994, 144, 193-209.	2.1	156

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73	Structural Complexity in a Lizard Communication System: The Sceloporus graciosus "Push-Up" Display. Copeia, 1994, 1994, 944.	1.3	30
74	A Comparative Study of the Evolution of Sceloporus Push-Up Displays. American Naturalist, 1993, 142, 994-1018.	2.1	81
75	Comparative studies, phylogenies and predictions of coevolutionary relationships. Behavioral and Brain Sciences, 1993, 16, 714-716.	0.7	5
76	Phylogenetic Analyses of the Correlated Evolution of Continuous Characters: A Simulation Study. Evolution; International Journal of Organic Evolution, 1991, 45, 534.	2.3	230
77	Individual and sex differences in the use of the push-up display by the sagebrush lizard, Sceloporus graciosus. Animal Behaviour, 1991, 41, 403-416.	1.9	58
78	PHYLOGENETIC ANALYSES OF THE CORRELATED EVOLUTION OF CONTINUOUS CHARACTERS: A SIMULATION STUDY. Evolution; International Journal of Organic Evolution, 1991, 45, 534-557.	2.3	642