Rafael Maia

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	1,708 citations	361413 20 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	1905 citing authors

#	Article	IF	Citations
1	pavo: an R package for the analysis, visualization and organization of spectral data. Methods in Ecology and Evolution, 2013, 4, 906-913.	5.2	342
2	<scp>pavo</scp>2: New tools for the spectral and spatial analysis of colour in <scp>r</scp>. Methods in Ecology and Evolution, 2019, 10, 1097-1107.	5.2	332
3	Key ornamental innovations facilitate diversification in an avian radiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10687-10692.	7.1	134
4	The Evolution of Energetic Scaling across the Vertebrate Tree of Life. American Naturalist, 2017, 190, 185-199.	2.1	114
5	Comparing colors using visual models. Behavioral Ecology, 2018, 29, 649-659.	2.2	75
6	The adaptive value of primate color vision for predator detection. American Journal of Primatology, 2014, 76, 721-729.	1.7	59
7	Iridescent structural colour production in male blue-black grassquit feather barbules: the role of keratin and melanin. Journal of the Royal Society Interface, 2009, 6, S203-11.	3.4	56
8	Nanostructural self-assembly of iridescent feather barbules through depletion attraction of melanosomes during keratinization. Journal of the Royal Society Interface, 2012, 9, 734-743.	3.4	55
9	Here comes the sun: multimodal displays are associated with sunlight incidence. Behavioral Ecology and Sociobiology, 2013, 67, 1633-1642.	1.4	47
10	Parasite levels in blue-black grassquits correlate with male displays but not female mate preference. Behavioral Ecology, 2008, 19, 292-301.	2.2	45
11	Modular color evolution facilitated by a complex nanostructure in birds. Evolution; International Journal of Organic Evolution, 2015, 69, 357-367.	2.3	45
12	What makes a feather shine? A nanostructural basis for glossy black colours in feathers. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1973-1980.	2.6	43
13	Selection, constraint, and the evolution of coloration in African starlings. Evolution; International Journal of Organic Evolution, 2016, 70, 1064-1079.	2.3	40
14	Signal evolution and morphological complexity in hummingbirds (Aves: Trochilidae). Evolution; International Journal of Organic Evolution, 2020, 74, 447-458.	2.3	33
15	The evolution of eggshell cuticle in relation to nesting ecology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160687.	2.6	31
16	Vocal output predicts territory quality in a Neotropical songbird. Behavioural Processes, 2014, 109, 21-26.	1.1	30
17	Social environment affects testosterone level in captive male blueâ€“black grassquits. Hormones and Behavior, 2011, 59, 51-55.	2.1	25
18	Achieving luster: prenuptial molt pattern predicts iridescent structural coloration in Blue-black Grassquits. Journal of Ornithology, 2011, 152, 243-252.	1.1	24

#	Article	IF	Citations
19	Condition-dependent resource value affects maleâ€“male competition in the blueâ€“black grassquit. Behavioral Ecology, 2009, 20, 553-559.	2.2	23
20	Carotenoid-Dependent Signals and the Evolution of Plasma Carotenoid Levels in Birds. American Naturalist, 2014, 184, 741-751.	2.1	23
21	Rapid habituation of scan behavior in captive marmosets following brief predator encounters. Behavioural Processes, 2006, 71, 66-69.	1.1	22
22	Social Environment Affects Acquisition and Color of Structural Nuptial Plumage in a Sexually Dimorphic Tropical Passerine. PLoS ONE, 2012, 7, e47501.	2.5	22
23	Iridescent colour production in hairs of blind golden moles (Chrysochloridae). Biology Letters, 2012, 8, 393-396.	2.3	17
24	Morphological basis of glossy red plumage colours. Biological Journal of the Linnean Society, 2016, 119, 477-487.	1.6	16
25	Feather Gene Expression Elucidates the Developmental Basis of Plumage Iridescence in African Starlings. Journal of Heredity, 2021, 112, 417-429.	2.4	15
26	Ecological generalism facilitates the evolution of sociality in snapping shrimps. Ecology Letters, 2017, 20, 1516-1525.	6.4	13
27	Morphogenesis of Iridescent Feathers in Annaâ€™s Hummingbird Calypte anna. Integrative and Comparative Biology, 2021, 61, 1502-1510.	2.0	8
28	Proximate bases of silver color in anhinga (Anhinga anhinga) feathers. Journal of Morphology, 2011, 272, 1399-1407.	1.2	7
29	lightr: import spectral data and metadata in R. Journal of Open Source Software, 2019, 4, 1857.	4.6	5
30	Macroevolutionary Dynamics of Sexual Systems in Spinicaudatan â€˜Clam Shrimp:â€™ Paleobiological Assessment of Evolutionary Cannon. The Paleontological Society Special Publications, 2014, 13, 118-119.	0.0	0