

Gabriel Marroig

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,054
citations

201658

27
h-index

206102

48
g-index

60
all docs

60
docs citations

60
times ranked

2043
citing authors

#	ARTICLE	IF	CITATIONS
1	The pre-eminent role of directional selection in generating extreme morphological change in glyptodonts (Cingulata; Xenarthra). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212521.	2.6	9
2	Development and function explain the modular evolution of phalanges in gecko lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212300.	2.6	5
3	Detecting patterns of correlational selection with sampling error: A simulation study. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 207-224.	2.3	2
4	Measuring the magnitude of morphological integration: The effect of differences in morphometric representations and the inclusion of size. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2518-2528.	2.3	23
5	Genomic Perspective on Multivariate Variation, Pleiotropy, and Evolution. <i>Journal of Heredity</i> , 2019, 110, 479-493.	2.4	6
6	A multiple peak adaptive landscape based on feeding strategies and roosting ecology shaped the evolution of cranial covariance structure and morphological differentiation in phyllostomid bats. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 961-981.	2.3	46
7	Evolution of morphological integration in the skull of Carnivora (Mammalia): Changes in Canidae lead to increased evolutionary potential of facial traits. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1399-1419.	2.3	53
8	Contrasting patterns of RUNX2 repeat variations are associated with palate shape in phyllostomid bats and New World primates. <i>Scientific Reports</i> , 2018, 8, 7867.	3.3	12
9	Timing and patterns of diversification in the Neotropical bat genus <i>Pteronotus</i> (Mormoopidae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 108, 61-69.	2.7	34
10	Evolutionary processes and its environmental correlates in the cranial morphology of western chipmunks (<i>Tamias</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 595-609.	2.3	11
11	Intense natural selection preceded the invasion of new adaptive zones during the radiation of New World leaf-nosed bats. <i>Scientific Reports</i> , 2017, 7, 11076.	3.3	43
12	The evolution of phenotypic integration: How directional selection reshapes covariation in mice. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2370-2380.	2.3	29
13	Evolution of a complex phenotype with biphasic ontogeny: Contribution of development versus function and climatic variation to skull modularity in toads. <i>Ecology and Evolution</i> , 2017, 7, 10752-10769.	1.9	13
14	Morphological and dietary responses of chipmunks to a century of climate change. <i>Global Change Biology</i> , 2016, 22, 3233-3252.	9.5	29
15	Modularity: Genes, Development, and Evolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2016, 47, 463-486.	8.3	132
16	A case study of extant and extinct Xenarthra cranium covariance structure: implications and applications to paleontology. <i>Paleobiology</i> , 2016, 42, 465-488.	2.0	14
17	Integrating multiple evidences in taxonomy: species diversity and phylogeny of mustached bats (Mormoopidae: <i>Pteronotus</i>). <i>Molecular Phylogenetics and Evolution</i> , 2016, 103, 184-198.	2.7	50
18	Evolution of the Genotype-to-Phenotype Map and the Cost of Pleiotropy in Mammals. <i>Genetics</i> , 2016, 204, 1601-1612.	2.9	30

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19	High evolutionary constraints limited adaptive responses to past climate changes in toad skulls. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161783.	2.6	24
20	Landmark precision and reliability and accuracy of linear distances estimated by using 3D computed micro-tomography and the open-source TINA Manual Landmarking Tool software. <i>Frontiers in Zoology</i> , 2015, 12, 12.	2.0	9
21	Directional selection can drive the evolution of modularity in complex traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 470-475.	7.1	105
22	Rate of evolutionary change in cranial morphology of the marsupial genus <i>Monodelphis</i> is constrained by the availability of additive genetic variation. <i>Journal of Evolutionary Biology</i> , 2015, 28, 973-985.	1.7	38
23	EvoLQG - An R package for evolutionary quantitative genetics. <i>F1000Research</i> , 2015, 4, 925.	1.6	64
24	EvoLQG - An R package for evolutionary quantitative genetics. <i>F1000Research</i> , 2015, 4, 925.	1.6	34
25	Quantitative Genetics and Modularity in Cranial and Mandibular Morphology of <i>Calomys expulsus</i> . <i>Evolutionary Biology</i> , 2014, 41, 619-636.	1.1	28
26	Size and shape in cranial evolution of 2 marsupial genera: <i>Didelphis</i> and <i>Philander</i> (<i>Didelphimorphia</i>). <i>Trends in Ecology & Evolution</i> , 2014, 29, 101-108.	1.3	16
27	SIZE VARIATION, GROWTH STRATEGIES, AND THE EVOLUTION OF MODULARITY IN THE MAMMALIAN SKULL. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3305-3322.	2.3	83
28	MODULARITY, NOISE, AND NATURAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1506-1524.	2.3	50
29	Selection Response Decomposition (SRD): A New Tool for Dissecting Differences and Similarities Between Matrices. <i>Evolutionary Biology</i> , 2011, 38, 225-241.	1.1	21
30	Skull modularity in neotropical marsupials and monkeys: size variation and evolutionary constraint and flexibility. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2010, 314B, 663-683.	1.3	93
31	SIZE AS A LINE OF LEAST RESISTANCE II: DIRECT SELECTION ON SIZE OR CORRELATED RESPONSE DUE TO CONSTRAINTS?. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1470-88.	2.3	62
32	Non-volant mammals, Parque Nacional do Catimbau, Vale do Catimbau, Buqui, state of Pernambuco, Brazil, with karyologic data. <i>Check List</i> , 2010, 6, 180.	0.4	21
33	Covariance structure in the skull of <i>Catarrhini</i> : a case of pattern stasis and magnitude evolution. <i>Journal of Human Evolution</i> , 2009, 56, 417-430.	2.6	61
34	The Evolution of Modularity in the Mammalian Skull I: Morphological Integration Patterns and Magnitudes. <i>Evolutionary Biology</i> , 2009, 36, 118-135.	1.1	261
35	The Evolution of Modularity in the Mammalian Skull II: Evolutionary Consequences. <i>Evolutionary Biology</i> , 2009, 36, 136-148.	1.1	198
36	Paleogeography of the South Atlantic: a Route for Primates and Rodents into the New World?. <i>Journal of Biogeography</i> , 2009, 36, 55-68.		61

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37	Research Article Comparing covariance matrices: random skewers method compared to the common principal components model. <i>Genetics and Molecular Biology</i> , 2007, 30, 461-469.	1.3	133
38	When size makes a difference: allometry, life-history and morphological evolution of capuchins (<i>Cebus</i>) and squirrels (<i>Saimiri</i>) monkeys (Cebinae, Platyrrhini). <i>BMC Evolutionary Biology</i> , 2007, 7, 20.	3.2	43
39	SIZE AS A LINE OF LEAST EVOLUTIONARY RESISTANCE: DIET AND ADAPTIVE MORPHOLOGICAL RADIATION IN NEW WORLD MONKEYS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1128-1142.	2.3	271
40	SIZE AS A LINE OF LEAST EVOLUTIONARY RESISTANCE: DIET AND ADAPTIVE MORPHOLOGICAL RADIATION IN NEW WORLD MONKEYS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1128.	2.3	3
41	Limites climáticos e vegetacionais das distribuições de <i>Cebus nigrinus</i> e <i>Cebus robustus</i> (Cebinae, Platyrrhini). <i>Neotropical Primates</i> , 2005, 13, 14-19.	0.1	71
42	Size as a line of least evolutionary resistance: diet and adaptive morphological radiation in New World monkeys. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1128-42.	2.3	73
43	Systematics and evolution of the jacchus group of marmosets (Platyrrhini). <i>American Journal of Physical Anthropology</i> , 2004, 123, 11-22.	2.1	27
44	Cranial evolution in sakis (<i>Pithecia</i> , Platyrrhini) I: Interspecific differentiation and allometric patterns. <i>American Journal of Physical Anthropology</i> , 2004, 125, 266-278.	2.1	40
45	Did Natural Selection or Genetic Drift Produce the Cranial Diversification of Neotropical Monkeys?. <i>American Naturalist</i> , 2004, 163, 417-428.	2.1	123
46	Cranial evolution in sakis (<i>Pithecia</i> , Platyrrhini) II: evolutionary processes and morphological integration. <i>Journal of Evolutionary Biology</i> , 2003, 17, 144-155.	1.7	70
47	Evolutionary rates and stabilizing selection in large-bodied opossum skulls (Didelphimorphia: <i>Tij ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.7	20
48	A COMPARISON OF PHENOTYPIC VARIATION AND COVARIATION PATTERNS AND THE ROLE OF PHYLOGENY, ECOLOGY, AND ONTOGENY DURING CRANIAL EVOLUTION OF NEW WORLD MONKEYS. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2576-2600.	2.3	353
49	A COMPARISON OF PHENOTYPIC VARIATION AND COVARIATION PATTERNS AND THE ROLE OF PHYLOGENY, ECOLOGY, AND ONTOGENY DURING CRANIAL EVOLUTION OF NEW WORLD MONKEYS. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2576.	2.3	16
50	EvoLQG - An R package for evolutionary quantitative genetics. <i>F1000Research</i> , 0, 4, 925.	1.6	18
51	Morphological integration and cranial modularity in six genera of echimyid rodents (Rodentia: <i>Tij ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.3	1