

Marina Melchionna

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

629
citations

623188

14
h-index

676716

22
g-index

38
all docs

38
docs citations

38
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method for testing evolutionary rate variation and shifts in phenotypic evolution. <i>Methods in Ecology and Evolution</i> , 2018, 9, 974-983.	2.2	113
2	A new, fast method to search for morphological convergence with shape data. <i>PLoS ONE</i> , 2019, 14, e0226949.	1.1	42
3	Fragmentation of Neanderthals' pre-extinction distribution by climate change. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 146-154.	1.0	35
4	Progress to extinction: increased specialisation causes the demise of animal clades. <i>Scientific Reports</i> , 2016, 6, 30965.	1.6	32
5	Past Extinctions of Homo Species Coincided with Increased Vulnerability to Climatic Change. <i>One Earth</i> , 2020, 3, 480-490.	3.6	30
6	Macroevolution of Toothed Whales Exceptional Relative Brain Size. <i>Evolutionary Biology</i> , 2019, 46, 332-342.	0.5	26
7	The evolution of cranial base and face in Cercopithecoidea and Hominoidea: Modularity and morphological integration. <i>American Journal of Primatology</i> , 2017, 79, e22721.	0.8	23
8	Evolution of the sabertooth mandible: A deadly ecomorphological specialization. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 166-174.	1.0	23
9	Reproducing the internal and external anatomy of fossil bones: Two new automatic digital tools. <i>American Journal of Physical Anthropology</i> , 2018, 166, 979-986.	2.1	21
10	Variation in the strength of allometry drives rates of evolution in primate brain shape. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200807.	1.2	21
11	Arothron: An R package for geometric morphometric methods and virtual anthropology applications. <i>American Journal of Physical Anthropology</i> , 2021, 176, 144-151.	2.1	20
12	The influence of domestication, insularity and sociality on the tempo and mode of brain size evolution in mammals. <i>Biological Journal of the Linnean Society</i> , 2021, 132, 221-231.	0.7	17
13	The influence of climate on species distribution over time and space during the late Quaternary. <i>Quaternary Science Reviews</i> , 2016, 149, 188-199.	1.4	16
14	Unexpectedly rapid evolution of mandibular shape in hominins. <i>Scientific Reports</i> , 2018, 8, 7340.	1.6	16
15	A New Tool for Digital Alignment in Virtual Anthropology. <i>Anatomical Record</i> , 2019, 302, 1104-1115.	0.8	16
16	Diversification Rates and the Evolution of Species Range Size Frequency Distribution. <i>Frontiers in Ecology and Evolution</i> , 0, 5, .	1.1	15
17	A 450 million years long latitudinal gradient in age-dependent extinction. <i>Ecology Letters</i> , 2020, 23, 439-446.	3.0	15
18	Ancestral State Estimation with Phylogenetic Ridge Regression. <i>Evolutionary Biology</i> , 2020, 47, 220-232.	0.5	15

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19	Macroevolutionary trends of brain mass in Primates. <i>Biological Journal of the Linnean Society</i> , 0, , .	0.7	14
20	A Major Change in Rate of Climate Niche Envelope Evolution during Hominid History. <i>IScience</i> , 2020, 23, 101693.	1.9	14
21	The role of habitat fragmentation in Pleistocene megafauna extinction in Eurasia. <i>Ecography</i> , 2021, 44, 1619-1630.	2.1	13
22	Target Deformation of the <i>Equus stenonis</i> Holotype Skull: A Virtual Reconstruction. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	12
23	<i>Endomaker</i> , a new algorithm for fully automatic extraction of cranial endocasts and the calculation of their volumes. <i>American Journal of Physical Anthropology</i> , 2020, 172, 511-515.	2.1	12
24	Additive effects of climate change and human hunting explain population decline and extinction in cave bears. <i>Boreas</i> , 2019, 48, 605-615.	1.2	11
25	Fast production of large, time-calibrated, informal supertrees with <i>tree.merger</i> . <i>Palaeontology</i> , 2022, 65, .	1.0	11
26	A method for mapping morphological convergence on three-dimensional digital models: the case of the mammalian sabretooth. <i>Palaeontology</i> , 2021, 64, 573-584.	1.0	9
27	From Smart Apes to Human Brain Boxes. A Uniquely Derived Brain Shape in Late Hominins Clade. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	8
28	MInOSSE: A new method to reconstruct geographic ranges of fossil species. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1121-1132.	2.2	6
29	Living with the elephant in the room: Top-down control in Eurasian large mammal diversity over the last 22 million years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 956-962.	1.0	5
30	Retrodeformation of the Steinheim Cranium: Insights into the Evolution of Neanderthals. <i>Symmetry</i> , 2021, 13, 1611.	1.1	5
31	The well-behaved killer: Late Pleistocene humans in Eurasia were significantly associated with living megafauna only. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 500, 24-32.	1.0	4
32	Predicted sea-level changes and evolutionary estimates for age of isolation in Central Mediterranean insular lizards. <i>Holocene</i> , 2017, 27, 418-426.	0.9	3
33	A New Integrated Tool to Calculate and Map Bilateral Asymmetry on Three-Dimensional Digital Models. <i>Symmetry</i> , 2021, 13, 1644.	1.1	3
34	Human face-off: a new method for mapping evolutionary rates on three-dimensional digital models. <i>Palaeontology</i> , 2022, 65, .	1.0	2
35	Small and isolated: ecology and fragmentation of Neanderthals. , 0, , 53-56.		1
36	A dynamic analysis of Middle Pleistocene human walking gait adjustment and control. <i>Italian Journal of Geosciences</i> , 2019, 138, 231-238.	0.4	0