

# Giorgio Carnevale

## List of Publications by Year in descending order

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102  
papers

2,331  
citations

304743

22  
h-index

243625

44  
g-index

104  
all docs

104  
docs citations

104  
times ranked

2722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nine exceptional radiations plus high turnover explain species diversity in jawed vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13410-13414.	7.1	756
2	Did genome duplication drive the origin of teleosts? A comparative study of diversification in ray-finned fishes. <i>BMC Evolutionary Biology</i> , 2009, 9, 194.	3.2	246
3	New insights on early evolution of spiny-rayed fishes (Teleostei: Acanthomorpha). <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	58
4	First joint record of <i>Mesopithecus</i> and cf. <i>Macaca</i> in the Miocene of Europe. <i>Journal of Human Evolution</i> , 2014, 67, 1-18.	2.6	54
5	Did the Mediterranean marine reflooding precede the Mio-Pliocene boundary? Paleontological and geochemical evidence from upper Messinian sequences of Tuscany, Italy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 81-105.	2.3	50
6	A multi-locus molecular timescale for the origin and diversification of eels (Order: Anguilliformes). <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 884-894.	2.7	43
7	Controlled excavations in the Pesciara and Monte Postale sites provide new insights about the palaeoecology and taphonomy of the fish assemblages of the Eocene Bolca Konservat-Lagerstätte, Italy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 454, 228-245.	2.3	38
8	The Messinian diatomite deposition in the Mediterranean region and its relationships to the global silica cycle. <i>Earth-Science Reviews</i> , 2018, 178, 154-176.	9.1	38
9	Are the large filamentous microfossils preserved in Messinian gypsum colorless sulfide-oxidizing bacteria?. <i>Geology</i> , 2015, 43, 855-858.	4.4	36
10	Fossilized cell structures identify an ancient origin for the teleost whole-genome duplication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	36
11	The youngest record of metriorhynchid crocodylomorphs, with implications for the extinction of <i>Thalattosuchia</i> . <i>Cretaceous Research</i> , 2015, 56, 608-616.	1.4	34
12	The upper Messinian assemblages of fossil vertebrate remains of Verduno (NW Italy): Another brick for a latest Miocene bridge across the Mediterranean. <i>Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen</i> , 2014, 272, 287-324.	0.4	30
13	The Bolca Lagerstätten: shallow marine life in the Eocene. <i>Journal of the Geological Society</i> , 2018, 175, 569-579.	2.1	30
14	Late Miocene fish otoliths from the Colombacci Formation (Northern Apennines, Italy): implications for the Messinian "Lago-mare" event. <i>Geological Journal</i> , 2006, 41, 537-555.	1.3	27
15	Early Miocene vertebrates from Montagna della Maiella, Italy. <i>Annales De Paleontologie</i> , 2007, 93, 27-66.	0.5	26
16	AN EOCENE FROGFISH FROM MONTE BOLCA, ITALY: THE EARLIEST KNOWN SKELETAL RECORD FOR THE FAMILY. <i>Palaeontology</i> , 2009, 52, 745-752.	2.2	26
17	The first fossil ribbonfish (Teleostei, Lampridiformes, Trachipteridae). <i>Geological Magazine</i> , 2004, 141, 573-582.	1.5	25
18	Late Pliocene fossils of Ecuador and their role in the development of the Panamic bioprovince after the rising of Central American Isthmus. <i>Canadian Journal of Earth Sciences</i> , 2002, 39, 27-41.	1.3	24

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19	The Miocene vertebrate-bearing deposits of Scontrone (Abruzzo, Central Italy): Stratigraphic and paleoenvironmental analysis. <i>Geobios</i> , 2013, 46, 5-23.	1.4	24
20	The Eocene sardine <i>Bolcaichthys catopygopterus</i> (Woodward, 1901) from Monte Bolca, Italy: osteology, taxonomy, and paleobiology. <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e1014490.	1.0	24
21	A Cretaceous Cusk-Eel (Teleostei, Ophidiiformes) from Italy and the Mesozoic Diversification of Percomorph Fishes. <i>Copeia</i> , 2015, 103, 771-791.	1.3	23
22	A synoptic review of the Eocene (Ypresian) cartilaginous fishes (Chondrichthyes: Holocephali.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627</i> 283-313.	1.6	23
23	Paleoenvironmental change in a precession-paced succession across the onset of the Messinian salinity crisis: Insight from element geochemistry and molecular fossils. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 518, 45-61.	2.3	23
24	Morphology and biology of the Miocene butterflyfish <i>Chaetodon fischeuri</i> (Teleostei.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td</i> (Chae) 2.3 22	2.3	22
25	Eocene handfishes from Monte Bolca, with description of a new genus and species, and a phylogeny of the family Brachionichthyidae (Teleostei: Lophiiformes). <i>Zoological Journal of the Linnean Society</i> , 2010, 160, 621-647.	2.3	22
26	<i>Bellwoodilabrus landinii</i> n. gen., n. sp., a new genus and species of labrid fish (Teleostei.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462</i> 0.8 21	0.8	21
27	An archaeal biomarker record of paleoenvironmental change across the onset of the Messinian salinity crisis in the absence of evaporites (Piedmont Basin, Italy). <i>Organic Geochemistry</i> , 2017, 113, 242-253.	1.8	21
28	A new species of <i>Gladiopycnodus</i> (Coccodontoidea, Pycnodontomorpha) from the Cretaceous of Lebanon provides new insights about the morphological diversification of pycnodont fishes through time. <i>Cretaceous Research</i> , 2016, 61, 34-43.	1.4	20
29	Revision of Eocene electric rays (Torpediniformes, Batomorphii) from the Bolca Konservat-Lagerstätte, Italy, reveals the first fossil embryo <i>in situ</i> in marine batoids and provides new insights into the origin of trophic novelties in coral reef fishes. <i>Journal of Systematic Palaeontology</i> , 2018, 16, 1189-1219.	1.5	19
30	Late Messinian rodents from Verduno (Piedmont, NW Italy): Biochronological, paleoecological and paleobiogeographic implications. <i>Geobios</i> , 2013, 46, 111-125.	1.4	17
31	An Eocene anchovy from Monte Bolca, Italy: The earliest known record for the family Engraulidae. <i>Geological Magazine</i> , 2016, 153, 84-94.	1.5	17
32	Batfishes from the Eocene of Monte Bolca. <i>Geological Magazine</i> , 2011, 148, 461-472.	1.5	16
33	<i>Caruso</i> , a new genus of anglerfishes from the Eocene of Monte Bolca, Italy, with a comparative osteology and phylogeny of the teleost family Lophiidae. <i>Journal of Systematic Palaeontology</i> , 2012, 10, 47-72.	1.5	16
34	Morphology, relationships and palaeobiology of the Eocene barracudina <i>Holosteus esocinus</i> (Aulopiformes: Paralepididae) from Monte Bolca, Italy. <i>Zoological Journal of the Linnean Society</i> , 2017, 181, 209-228.	2.3	16
35	Eocene sand tiger sharks (Lamniformes, Odontaspidae) from the Bolca Konservat-Lagerstätte, Italy: palaeobiology, palaeobiogeography and evolutionary significance. <i>Historical Biology</i> , 2019, 31, 102-116.	1.4	16
36	Biogeographical significance of northern extraprovincial fishes in the Pliocene of Ecuador. <i>Geobios</i> , 2002, 35, 120-129.	1.4	15

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37	A new family of gymnodont fish (Tetraodontiformes) from the earliest Eocene of the Peri-Tethys (Kabardino-Balkaria, northern Caucasus, Russia). <i>Journal of Systematic Palaeontology</i> , 2017, 15, 129-146.	1.5	14
38	Fossil marine fishes and the "Lago Mare"™ event: Has the Mediterranean ever transformed into a brackish lake?. <i>Newsletters on Stratigraphy</i> , 2018, 51, 57-72.	1.2	14
39	The deep-sea anglerfish genus <i>Acentrophryne</i> (Teleostei, Ceratioidei, Linophrynidae) in the Miocene of California. <i>Journal of Vertebrate Paleontology</i> , 2009, 29, 372-378.	1.0	13
40	Evolution of gigantism in right and bowhead whales (Cetacea: Mysticeti: Balaenidae). <i>Biological Journal of the Linnean Society</i> , 2021, 134, 498-524.	1.6	13
41	The relationships of <i>Gasteroclupea branisai</i> Signeux, 1964, a freshwater double-armored herring (Clupeomorpha, Ellimmichthyiformes) from the Late Cretaceous-Paleocene of South America. <i>Historical Biology</i> , 2017, 29, 904-917.	1.4	12
42	New observations on the anatomy and paleobiology of the Eocene requiem shark "Eogaleus bolcensis" (Carcharhiniformes, Carcharhinidae) from Bolca Lagerstätte, Italy. <i>Comptes Rendus - Palevol</i> , 2018, 17, 443-459.	0.2	12
43	Rise and fall of "Pycnodontiformes: Diversity, competition and extinction of a successful fish clade. <i>Ecology and Evolution</i> , 2021, 11, 1769-1796.	1.9	12
44	Tiny, glassy, and rapidly trapped: The nano-sized planktic diatoms in Messinian (late Miocene) gypsum. <i>Geology</i> , 2021, 49, 1369-1374.	4.4	12
45	Fossil ceratioid anglerfishes (Teleostei: Lophiiformes) from the Miocene of the Los Angeles Basin, California. <i>Journal of Paleontology</i> , 2008, 82, 996-1008.	0.8	11
46	Review of the fossil pufferfish genus <i>Archaeotetraodon</i> (Teleostei, Tetraodontidae), with description of three new taxa from the Miocene of Italy. <i>Geobios</i> , 2010, 43, 283-304.	1.4	11
47	The uppermost Oligocene of Aix-en-Provence (Bouches-du-Rhône, Southern France): A Cenozoic brackish subtropical Konservat-Lagerstätte, with fishes, insects and plants. <i>Comptes Rendus - Palevol</i> , 2018, 17, 460-478.	0.2	11
48	Mosaic of plesiomorphic and derived characters in an Eocene myliobatiform batomorph (Chondrichthyes, Elasmobranchii) from Italy defines a new, basal body plan in pelagic stingrays. <i>Zoological Letters</i> , 2019, 5, 13.	1.3	11
49	The rise to dominance of lanternfishes (Teleostei: Myctophidae) in the oceanic ecosystems: a paleontological perspective. <i>Paleobiology</i> , 2021, 47, 446-463.	2.0	11
50	A long-bodied centriscoid fish from the basal Eocene of Kabardino-Balkaria, northern Caucasus, Russia. <i>Die Naturwissenschaften</i> , 2012, 99, 379-389.	1.6	10
51	<i>Eoalosa janvieri</i> gen. et sp. nov., a new clupeid fish (Teleostei, Clupeiformes) from the Eocene of Monte Bolca, Italy. <i>Palaontologische Zeitschrift</i> , 2018, 92, 107-120.	1.6	10
52	Reappraisal of the Eocene whiptail stingrays (Myliobatiformes, Dasyatidae) of the Bolca Lagerstätte, Italy. <i>Zoologica Scripta</i> , 2019, 48, 168-184.	1.7	10
53	Estuarine Lago Mare fauna from the Tertiary Piedmont Basin indicates episodic Atlantic/Mediterranean exchange during the final stage of the Mediterranean Salinity Crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 457, 70-79.	2.3	9
54	The earliest baleen whale from the Mediterranean: large-scale implications of an early Miocene thalassotherian mysticete from Piedmont, Italy. <i>Papers in Palaeontology</i> , 2021, 7, 1147-1166.	1.5	9

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55	The Miocene gadid fish <i>Palimphemus anceps</i> Kner, 1862: a reappraisal. <i>Geodiversitas</i> , 2012, 34, 625-643.	0.8	8
56	<i>Bajaichthys elegans</i> from the Eocene of Bolca (Italy) and the overlooked morphological diversity of Zeiformes (Teleostei, Acanthomorpha). <i>Palaeontology</i> , 2017, 60, 255-268.	2.2	8
57	A reappraisal of the Eocene priacanthid fish <i>Pristigenys substriata</i> (Blainville, 1818) from Monte Bolca, Italy. <i>Journal of Paleontology</i> , 2017, 91, 554-565.	0.8	8
58	An Eocene paraclupeid fish (Teleostei, Ellimmichthyiformes) from Bolca, Italy: the youngest marine record of double-armoured herrings. <i>Papers in Palaeontology</i> , 2019, 5, 83-98.	1.5	8
59	A quantitative approach to determine the taxonomic identity and ontogeny of the pycnodontiform fish <i>Pycnodus</i> (Neopterygii, Actinopterygii) from the Eocene of Bolca Lagerstätte, Italy. <i>PeerJ</i> , 2018, 6, e4809.	2.0	8
60	<i>Archaeotetraodon cerrinaferoni</i> , sp. nov. (Teleostei: Tetraodontidae), from the Miocene (Messinian) of Chelif Basin, Algeria. <i>Journal of Vertebrate Paleontology</i> , 2006, 26, 815-821.	1.0	7
61	A new percoid fish from the Eocene of Monte Bolca, Italy: <i>Hendrixella grandei</i> gen. & sp. nov.. <i>Swiss Journal of Geosciences</i> , 2009, 102, .	1.2	7
62	A bizarre Eocene dasyatoid batomorph (Elasmobranchii, Myliobatiformes) from the Bolca Lagerstätte (Italy) reveals a new, extinct body plan for stingrays. <i>Scientific Reports</i> , 2019, 9, 14087.	3.3	7
63	The upper Miocene diatomaceous sediments of the northernmost Mediterranean region: A lamina-scale investigation of an overlooked palaeoceanographic archive. <i>Sedimentology</i> , 2020, 67, 3389-3421.	3.1	7
64	Miniature deep-sea hatchetfish (Teleostei: Stomiiformes) from the Miocene of Italy. <i>Geological Magazine</i> , 2008, 145, 73-84.	1.5	6
65	Late Miocene (Turolian, MN13) squirrels from Moncucco Torinese, NW Italy. <i>Comptes Rendus - Palevol</i> , 2016, 15, 515-526.	0.2	6
66	Eocene isopods on electric rays: tracking ancient biological interactions from a complex fossil record. <i>Palaeontology</i> , 2019, 62, 287-303.	2.2	6
67	Integrated micropaleontological study of the Messinian diatomaceous deposits of the Monferrato Arc (Piedmont basin, NW Italy): New insights into the paleoceanographic evolution of the northernmost Mediterranean region. <i>Marine Micropaleontology</i> , 2020, 160, 101910.	1.2	6
68	A new skeleton of the giant hedgehog <i>Deinogalerix</i> from the Miocene of Gargano, southern Italy. <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 902-923.	1.0	5
69	The Afro-Asian labeonine genus <i>Garra</i> Hamilton, 1822 (Teleostei, Cyprinidae) in the Pliocene of Central Armenia: Palaeoecological and palaeobiogeographical implications. <i>Journal of Asian Earth Sciences</i> , 2013, 62, 788-796.	2.3	5
70	<i>Zappaichthys harzhauseri</i> , gen. et sp. nov., a new Miocene toadfish (Teleostei), the fossil record of batrachoidiform fishes. <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 1005-1017.	1.0	5
71	Revision of the Eocene <i>Platyrrhina</i> species from the Bolca Lagerstätte (Italy) reveals the first panray (Batomorphii: Zanobatidae) in the fossil record. <i>Journal of Systematic Palaeontology</i> , 2020, 18, 1519-1542.	1.5	5
72	A tale from the middle Paleocene of Denmark: A tube-dwelling predator documented by the ichnofossil <i>Lepidenteron mortenseni</i> n. isp. and its predominant prey, <i>Bobbitchthys</i> n. gen. <i>rosenkrantzi</i> (Macroridae, Teleostei). <i>Bulletin of the Geological Society of Denmark</i> , 0, 69, 35-52.	1.1	5

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73	Diversity, palaeoecology and palaeoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. <i>Lethaia</i> , 2021, 54, 736-751.	1.4	5
74	Past, present, and future climate space of the only endemic vertebrate genus of the Italian peninsula. <i>Scientific Reports</i> , 2021, 11, 22139.	3.3	5
75	A New Genus and Species of Anglerfish (Teleostei: Lophiiformes: Lophiidae) from the Eocene of Monte Bolca, Italy. <i>Copeia</i> , 2011, 2011, 64-71.	1.3	4
76	Stargazer (Teleostei, Uranoscopidae) cranial remains from the Miocene Calvert Cliffs, Maryland, U.S.A. (St. Marys Formation, Chesapeake Group). <i>Journal of Vertebrate Paleontology</i> , 2011, 31, 1200-1209.	1.0	4
77	A new pufferfish (Teleostei, Tetraodontidae) from the Middle Miocene of St. Margarethen, Austria. <i>Palaontologische Zeitschrift</i> , 2015, 89, 435-447.	1.6	4
78	Oligoremora rhenana n. g. n. sp., a new echeneid fish (Percomorpha, Echeneoidei) from the Oligocene of the Grube Unterfeld (Frauenweiler) clay pit. <i>Palaontologische Zeitschrift</i> , 2016, 90, 561-592.	1.6	4
79	Upper Oligocene marine fishes from nearshore deposits of the Central Paratethys (Maastrichtian). <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 1018-1032.	1.5	4
80	Miocene bristlemouths (Teleostei: Stomiiformes: Gonostomatidae) from the Makrilia Formation, Ierapetra, Crete. <i>Comptes Rendus - Palevol</i> , 2017, 16, 266-277.	0.2	4
81	A Miocene pearleye, <i>Benthalbella praecessor</i> , sp. nov. (Teleostei, Aulopiformes), from Sakhalin Island, Russia: the first known skeletal record for the family Scopelarchidae. <i>Journal of Vertebrate Paleontology</i> , 2018, 38, e1511992.	1.0	4
82	Large-bodied sabre-toothed anchovies reveal unanticipated ecological diversity in early Palaeogene teleosts. <i>Royal Society Open Science</i> , 2020, 7, 192260.	2.4	4
83	A progressive extirpation: an overview of the fossil record of <i>Salamandrina</i> (Salamandridae, Urodela). <i>Historical Biology</i> , 0, , 1-18.	1.4	4
84	MARINE LIFE IN THE MEDITERRANEAN DURING THE MESSINIAN SALINITY CRISIS: A PALEOICHTHYOLOGICAL PERSPECTIVE. , 2022, 128, .		4
85	Tilefish (Teleostei, Malacanthidae) remains from the Miocene Calvert Formation, Maryland and Virginia: taxonomical and paleoecological remarks. <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 1018-1032.	1.0	3
86	Paracamelus (Mammalia, Camelidae) remains from the late Messinian of Italy: insights into the last camels of western Europe. <i>Historical Biology</i> , 2017, 29, 509-518.	1.4	3
87	High Encephalization in a Fossil Rorqual Illuminates Baleen Whale Brain Evolution. <i>Brain, Behavior and Evolution</i> , 2021, 96, 78-90.	1.7	3
88	Skeletal Transformations and the Origin of Baleen Whales (Mammalia, Cetacea, Mysticeti): A Study on Evolutionary Patterns. <i>Diversity</i> , 2022, 14, 221.	1.7	3
89	Skin patterning and internal anatomy in a fossil moonfish from the Eocene Bolca Lagerstätte illuminate the ecology of ancient reef fish communities. <i>Palaeontology</i> , 2022, 65, .	2.2	3
90	Skeletal Anatomy, Phylogenetic Relationships, and Paleoecology of the Eocene Urolophid Stingray <i>Arechia Crassicaudata</i> (Blainville, 1818) from Monte Postale (Bolca Lagerstätte, Italy). <i>Journal of Vertebrate Paleontology</i> , 2020, 40, e1803339.	1.0	2

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91	Fish-bearing deposits from the Upper Eocene Terminal Complex of the Plana de Vic (Catalonia, NE Spain): Sedimentary context and taphonomy. <i>Geological Journal</i> , 2019, 54, 1638-1652.	1.3	2
92	Redescription of <i>Diplomystus solignaci</i> Gaudant & Gaudant, 1971 from the Cretaceous of Tunisia, and a new hypothesis of double-armored herring relationships. <i>Historical Biology</i> , 2023, 35, 163-184.	1.4	2
93	<i>Neilpeartia ceratoi</i> , gen. et sp. nov., a new frogfish from the Eocene of Bolca, Italy. <i>Journal of Vertebrate Paleontology</i> , 2020, 40, e1778711.	1.0	1
94	Anatomy, taxonomy and phylogeny of the Eocene guitarfishes from the Bolca Lagerstätten, Italy, provide new insights into the relationships of the Rhinopristiformes (Elasmobranchii: Batomorphii). <i>Zoological Journal of the Linnean Society</i> , 2021, 192, 1090-1110.	2.3	1
95	A tholichthys-like larva (Teleostei, Percomorpha) from the Eocene of Northern Caucasus, Russia. <i>Lethaia</i> , 2021, 54, 204-210.	1.4	1
96	A toadfish (Batrachoidiformes) from the Oligocene of the Eastern Carpathians (Piatra Neamt.) <i>Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 542</i>	0.4	0
97	An Eocene conger eel (Teleostei, Anguilliformes) from the Lillebålt Clay Formation, Denmark. <i>Bulletin of the Geological Society of Denmark</i> , 0, 70, 53-67.	1.1	1
98	Blanquillos (Teleostei, Malacanthidae) from the Middle Miocene of St. Margarethen in Burgenland, Austria: Palaeoenvironmental implications. <i>Annales De Paleontologie</i> , 2016, 102, 51-57.	0.5	0
99	Structural and environmental constraints on reduction of paired appendages among vertebrates. <i>Biological Journal of the Linnean Society</i> , 2019, , .	1.6	0
100	A new pearleye (Teleostei, Aulopiformes) species from the Oligocene of Romania. <i>Annales De Paleontologie</i> , 2019, 105, 75-83.	0.5	0
101	An Oligocene tubeshoulder (Teleostei, Alepocephaliformes) from the Central Paratethys (Czech) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1Q Tf 50 542</i> 2019, 39, e1719123.	1.0	0
102	An Eocene conger eel (Teleostei, Anguilliformes) from the Lillebålt Clay Formation, Denmark. <i>Bulletin of the Geological Society of Denmark</i> , 0, 70, 53-67.	1.1	0