Morphological and genetic description of Octopus insularis, a new cryptic species in the Octopus vulgaris complex (Cephalopoda: Octopodidae) from the tropical southwestern Atlantic

DOI: 10.1093/mollus/eym050
Journal of Molluscan Studies, 2008, 74, 63-74.

#	Paper	IF	Citations
85	A new approach to octopuses' body pattern analysis: A framework for taxonomy and behavioral studies*. *American Malacological Bulletin*, **2008**, 24, 31-41	0.2	15
84	The twinspot bass Serranus flaviventris (Serranidae) as follower of the goldspotted eel Myrichthys ocellatus (Ophichthidae) in north-eastern Brazil, with notes on other serranids. *Marine Biodiversity Records*, **2009**, 2,	2	3
83	Octopus insularis (Octopodidae), evidences of a specialized predator and a time-minimizing hunter. *Marine Biology*, **2009**, 156, 2355-2367	2.5	43
82	Habitat, distribution, and abundance of the commercial octopus (Octopus insularis) in a tropical oceanic island, Brazil: Information for management of an artisanal fishery inside a marine protected area. *Fisheries Research*, **2009**, 98, 85-91	2.3	48
81	Octopus mimicking its follower reef fish. *Journal of Natural History*, **2009**, 43, 185-190	0.5	11
80	Morphological and genetic evidence that Octopus vulgaris Cuvier, 1797 inhabits Amsterdam and Saint Paul Islands (southern Indian Ocean). *ICES Journal of Marine Science*, **2010**, 67, 1401-1407	2.7	29
79	Defining Octopus vulgaris populations: A comparative study of the morphology and chromatophore pattern of paralarvae from Northeastern and Southwestern Atlantic. *Fisheries Research*, **2010**, 106, 199-208	2.3	19
78	Molecular differentiation of the species of two squid families (Loliginidae and Ommastrephidae) based on a PCR study of the 5S rDNA gene. *Food Control*, **2011**, 22, 96-98	6.2	6
77	Annotated list of type specimens of mollusks deposited in Museu de Zoologia da Universidade de Sō Paulo, Brazil. *Arquivos De Zoologia*, **2011**, 42, 1	1.3	3
76	Atol das Rocas: an oasis for Octopus insularis juveniles (Cephalopoda: Octopodidae). *Zoologia*, **2011** , 28, 45-52	2	13
75	Ethnoecological knowledge of the artisan fishermen of octopi in the community of Coroa Vermelha. *Anais Da Academia Brasileira De Ciencias*, **2011**, 83, 513-22	1.4	3
74	Feeding ecology of the estuarine dolphin (Sotalia guianensis) on the coast of Rio Grande do Norte, Brazil. *Marine Mammal Science*, **2011**, 27, 673-687	1.9	8
73	Evidence for genetic differentiation of Octopus vulgaris (Mollusca, Cephalopoda) fishery populations from the southern coast of Brazil as revealed by microsatellites. *Journal of Experimental Marine Biology and Ecology*, **2011**, 407, 34-40	2.1	20
72	Genetic structure of Octopus vulgaris (Cephalopoda, Octopodidae) in the central Mediterranean Sea inferred from the mitochondrial COIII gene. *Comptes Rendus - Biologies*, **2012**, 335, 625-36	1.4	19
71	Variability in the Diet Specialization ofEnteroctopus dofleini(Cephalopoda: Octopodidae) in the Eastern Pacific Examined from Midden Contents. *American Malacological Bulletin*, **2012**, 30, 267-279	0.2	18
70	Phylogeographical Features ofOctopus vulgarisandOctopus insularisin the Southeastern Atlantic Based on the Analysis of Mitochondrial Markers. *Journal of Shellfish Research*, **2013**, 32, 325-339	1	21
69	New molecular phylogeny of the squids of the family Loliginidae with emphasis on the genus Doryteuthis Naef, 1912: mitochondrial and nuclear sequences indicate the presence of cryptic species in the southern Atlantic Ocean. *Molecular Phylogenetics and Evolution*, **2013**, 68, 293-9	4.1	23

68	Catalogue of the type specimens deposited in the Mollusca Collection of the Museu Nacional / UFRJ, Rio de Janeiro, Brazil. *Zootaxa*, **2014**, 3780, 51-107	0.5	4
67	A new Fenestrulina (Bryozoa, Cheilostomata) commensal with tube-dwelling anemones (Cnidaria, Ceriantharia) in the tropical southwestern Atlantic. *Zootaxa*, **2014**, 3780, 365-74	0.5	11
66	An integration of historical records and genetic data to the assessment of global distribution and population structure in Octopus vulgaris. *Frontiers in Ecology and Evolution*, **2014**, 2,	3.7	12
65	Population structure and reproductive dynamics of Octopus insularis (Cephalopoda: Octopodidae) in a coastal reef environment along northeastern Brazil. *Fisheries Research*, **2014**, 152, 86-92	2.3	15
64	Gonadal development and reproductive strategies of the tropical octopus (Octopus insularis) in northeast Brazil. *Hydrobiologia*, **2014**, 725, 7-21	2.4	20
63	Octopuses Have a Fowl Diet. *American Malacological Bulletin*, **2014**, 32, 220-222	0.2	2
62	Close Genetic Relationships between Two American Octopuses:Octopus hubbsorumBerry, 1953, andOctopus mimusGould, 1852. *Journal of Shellfish Research*, **2014**, 33, 293-303	1	15
61	Aggressive male mating behavior depends on female maturity in Octopus bimaculoides. *Marine Biology*, **2014**, 161, 1521-1530	2.5	9
60	First Description of the Eggs and Paralarvae of the Tropical Octopus,Octopus insularis, Under Culture Conditions. *American Malacological Bulletin*, **2015**, 33, 101-109	0.2	10
59	Different abilities to regulate tissue hydration upon osmotic challenge in vitro, in the cephalopods Octopus vulgaris and O. insularis. *Marine and Freshwater Behaviour and Physiology*, **2015**, 48, 205-211	1.1	9
58	The contribution of molecular data to our understanding of cephalopod evolution and systematics: a review. *Journal of Natural History*, **2015**, 49, 1373-1421	0.5	41
57	Octopus sinensis d'Orbigny, 1841 (Cephalopoda: Octopodidae): Valid Species Name for the Commercially Valuable East Asian Common Octopus. *Species Diversity*, **2016**, 21, 31-42	0.4	30
56	Genetic evidence of the presence ofOctopus mimusin the artisanal fisheries of octopus in Santa Elena Peninsula, Ecuador. *American Malacological Bulletin*, **2016**, 34, 51-55	0.2	8
55	Large-scale connectivity of Grapsus grapsus (Decapoda) in the Southwestern Atlantic oceanic islands: integrating genetic and morphometric data. *Marine Ecology*, **2016**, 37, 1360-1372	1.4	6
54	Genetic structure and diversity of the island-restricted endangered land crab, Johngarthia lagostoma (H. Milne Edwards, 1837). *Journal of Experimental Marine Biology and Ecology*, **2016**, 474, 204-209	2.1	9
53	Two new octopod species (Mollusca: Cephalopoda) from the southern Caribbean. *Marine Biodiversity*, **2016**, 46, 589-602	1.4	7
52	Occurrence of Octopus insularis Leite and Haimovici, 2008 in the Tropical Northwestern Atlantic and implications of species misidentification to octopus fisheries management. *Marine Biodiversity*, **2017**, 47, 723-734	1.4	28
51	Genetic evidence extends the known distribution of Octopus insularis to the mid-Atlantic islands Ascension and St Helena. *Journal of the Marine Biological Association of the United Kingdom*, **2017**, 97, 753-758	1.1	15

50	Morphological assessment of the Octopus vulgaris species complex evaluated in light of molecular-based phylogenetic inferences. *Zoologica Scripta*, **2017**, 46, 275-288	2.5	56
49	Divergence of cryptic species of Doryteuthis plei Blainville, 1823 (Loliginidae, Cephalopoda) in the Western Atlantic Ocean is associated with the formation of the Caribbean Sea. *Molecular Phylogenetics and Evolution*, **2017**, 106, 44-54	4.1	16
48	Revision of the family Carabodidae (Acari: Oribatida) V (Fifth part). Redescription of Congocepheus latilamellatus Mahunka 1984, with complementary studies of C. ornatus, Mahunka 1983. Descriptions of Tanzaniacepheus gen. nov. and Zimbabwecepheus gen. nov.. *Zootaxa*, **2017**, 4324, 315	0.5	2
47	Molecular identification and phylogenetic relationships of Coleoidea (Mollusca: Cephalopoda) from the Persian Gulf and Oman Sea reveals a case of cryptic diversity. *Molluscan Research*, **2018**, 38, 77-85	0.6	2
46	Genetic population structure and phylogeny of the common octopus Octopus vulgaris Cuvier, 1797 in the western Mediterranean Sea through nuclear and mitochondrial markers. *Hydrobiologia*, **2018**, 807, 277-296	2.4	20
45	Native species exploited by marine aquarium trade in Brazil. *Biota Neotropica*, **2018**, 18,	1.3	5
44	First Record ofOctopus insularisLeite and Haimovici, 2008 in the Octopus Fishery of a Marine Protected Area in the Gulf of Mexico. *Journal of Shellfish Research*, **2018**, 37, 221-227	1	10
43	Global Patterns of Species Richness in Coastal Cephalopods. *Frontiers in Marine Science*, **2019**, 6,	4.5	14
42	Cryptic diversity and limited connectivity in octopuses: Recommendations for fisheries management. *PLoS ONE*, **2019**, 14, e0214748	3.7	7
41	Surveying cephalopod diversity of the Amazon reef system using samples from red snapper stomachs and description of a new genus and species of octopus. *Scientific Reports*, **2019**, 9, 5956	4.9	7
40	Food and feeding habits of Octopus insularis in the Veracruz Reef System National Park and confirmation of its presence in the southwest Gulf of Mexico. *Marine Ecology*, **2019**, 40, e12535	1.4	13
39	Sexual Selection and the Evolution of Male Reproductive Traits in Benthic Octopuses. *Frontiers in Physiology*, **2019**, 10, 1238	4.6	3
38	World Octopus Fisheries. *Reviews in Fisheries Science and Aquaculture*, **2019**, 1-151	8.3	22
37	REPRODUCTIVE DYNAMICS AND POPULATION STRUCTURE OF OCTOPUS INSULARIS FROM THE VERACRUZ REEF SYSTEM MARINE PROTECTED AREA, MEXICO. *Fisheries Research*, **2020**, 221, 105385	2.3	5
36	Exploring the effects of warming seas by using the optimal and pejus temperatures of the embryo of three Octopoda species in the Gulf of Mexico. *Journal of Thermal Biology*, **2020**, 94, 102753	2.9	6
35	Octopus americanus: a cryptic species of the O. vulgaris species complex redescribed from the Caribbean. *Aquatic Ecology*, **2020**, 54, 909-925	1.9	15
34	Why Are Octopuses Going to Be the 'Poster Child' for Invertebrate Welfare?. *Journal of Applied Animal Welfare Science*, **2020**, 1-10	1.6	1
33	Genetic diversity and connectivity of Flaccisagitta enflata (Chaetognatha: Sagittidae) in the tropical Atlantic ocean (northeastern Brazil). *PLoS ONE*, **2020**, 15, e0231574	3.7	2

32	Phylogeography of the insular populations of common octopus, Octopus vulgaris Cuvier, 1797, in the Atlantic Macaronesia. *PLoS ONE*, **2020**, 15, e0230294	3.7	5
31	Purification of Matrixins from Marine Cephalopod. *Protein Journal*, **2020**, 39, 284-290	3.9	
30	Population genetics and comparative mitogenomic analyses reveal cryptic diversity of Amphioctopus neglectus (Cephalopoda: Octopodidae). *Genomics*, **2020**, 112, 3893-3902	4.3	4
29	Assessing the diet of octopuses: traditional techniques and the stable isotopes approach. *Journal of Molluscan Studies*, **2020**, 86, 210-218	1.1	4
28	Traditional Knowledge Aids Description When Resolving the Taxonomic Status of Unsettled Species Using Classical and Molecular Taxonomy: The Case of the Shallow-Water Octopus Callistoctopus furvus (Gould, 1852) From the Western Atlantic Ocean. *Frontiers in Marine Science*, **2021**, 7,	4.5	1
27	The inter-annual fishing variability in Octopus insularis (Leite & Haimovici 2008) as a result of oceanographic factors. *Fisheries Oceanography*, **2021**, 30, 515-526	2.4	2
26	Incorporating evolutionary based tools in cephalopod fisheries management. *Reviews in Fish Biology and Fisheries*, **2021**, 31, 485-503	6	
25	Cyclic alternation of quiet and active sleep states in the octopus. *IScience*, **2021**, 24, 102223	6.1	7
24	Prey contribution to the diet of Octopus insularis (Leite and Haimovici, 2008) using stable isotopes and stomach content analysis in the Western Gulf of Mexico. *Aquatic Ecology*, **2021**, 55, 765-777	1.9	3
23	Dispersal modeling of octopoda paralarvae in the Gulf of Mexico. *Fisheries Oceanography*, **2021**, 30, 726	2.4	1
22	A new species of pygmy Paroctopus Naef, 1923 (Cephalopoda: Octopodidae): the smallest southwestern Atlantic octopod, found in sea debris. *Marine Biodiversity*, **2021**, 51, 1	1.4	2
21	First record of cleaning event between a mating octopus (Octopus insularis) and a barber goby (Elacatinus figaro). *Journal of Molluscan Studies*, **2021**, 87,	1.1	
20	Genome-wide sequencing uncovers cryptic diversity and mito-nuclear discordance in theOctopus vulgarisspecies complex.		10
19	Octopus insularis (Cephalopoda: Octopodidae) on the tropical coast of Brazil: where it lives and what it eats. *Brazilian Journal of Oceanography*, **2016**, 64, 353-364	1.8	9
18	Geographic variability of Octopus insularis diet: from oceanic island to continental populations. *Aquatic Biology*, **2016**, 25, 17-27	2	15
17	Global climate changes over time shape the environmental niche distribution of Octopus insularis in the Atlantic Ocean. *Marine Ecology - Progress Series*, **2020**, 652, 111-121	2.6	6
16	A contribution to the understanding of phylogenetic relationships among species of the genus Octopus (Octopodidae: Cephalopoda). *Scientia Marina*, **2012**, 76, 311-318	1.8	23
15	An integrative taxonomic approach reveals as the dominant species in the Veracruz Reef System (southwestern Gulf of Mexico). *PeerJ*, **2018**, 6, e6015	3.1	18

14	First molecular approach to the octopus fauna from the southern Caribbean. *PeerJ*, **2019**, 7, e7300	3.1	3
13	A biogeographic framework of octopod species diversification: the role of the Isthmus of Panama. *PeerJ*, **2020**, 8, e8691	3.1	8
12	Octopus djinda (Cephalopoda: Octopodidae): a new member of the Octopus vulgaris group from southwest Australia. *Zootaxa*, **2021**, 5061, 145-156	0.5	1
11	The trophic interactions of Octopus insularis in the food web of a pristine tropical atoll: a baseline for management and monitoring under environmental changes. *Aquatic Ecology*, 1	1.9	
10	Solving the identity of the common shallow-water octopus of the Colombian Caribbean based on the analysis of mitochondrial DNA sequence data. *Journal of Molluscan Studies*, **2021**, 87,	1.1	
9	The growth and population dynamics of Octopus insularis targeted by a pot longline fishery in north-eastern Brazil. *Journal of the Marine Biological Association of the United Kingdom*, 1-12	1.1	0
8	Table_1.DOCX. **2019**,		
7	Table_1.DOCX. **2019**,		
6	Fourteen New Species of Dicyemids (Phylum: Dicyemida) from Seven Species of Decapodiformes (Mollusca: Cephalopoda) in the Kumano Sea, Japan. *Species Diversity*, **2022**, 27, 181-226	0.4	
5	Integrated Taxonomic Approach for Identification of Octopus Species from the Southwest Coast of India. *Malacologia*, **2022**, 64,	1.1	0
4	Molecular markers based phylogenetic inferences reveals cryptic lineage within Sepiella inermis species complex.		0
3	Projecting future climate change impacts on the distribution of the Octopus vulgaris species complex9,		0
2	Octopuses in the south-west Pacific region: a review of fisheries, ecology, cultural importance and management.		0
1	Molecular data, ecological niche, and dispersal models reveal a trans-Atlantic shallow-water octopus species. **2023**, 213, 103019		0