

Carlotta Mazzoldi: Publications' list

Peer reviewed publications

- 1) Cali F., La Mesa M., Donato F., Panin M., **Mazzoldi C.**, Santojanni A. Growth, reproduction, and factors involved in body size reduction of the poor cod (*Trisopterus capelanus*) in the northern Adriatic Sea. *Estuaries, Coastal and Shelf Science*, in press.
- 2) Bernardi J., **Mazzoldi C.**, Bressan G. 2025. Using citizen science to understand the recreational fishing impact on elasmobranch along the Italian Northern Adriatic coasts. *Acta Adriatica* 66: 95-101.
- 3) Piccardi F., Bortot C., Brunoni L., Poli F., Rosenthal G.G., **Mazzoldi C.**, Barausse A. 2025. Invasive blue vs. local Green: analysis of substrate preference of two crab species, *Callinectes sapidus* and *Carcinus aestuarii*. *Marine Environmental Research* 208: 107164
- 4) Zampieri C., **Mazzoldi C.**, Raicevich S., Barausse A. 2025. Individual-Based Modelling to fine-tune management measures for commercial demersal sharks. *Ecological Indicators* 88: 103147
- 5) Ceolotto L., Pietroluongo G., Centelleghè C., **Mazzoldi C.**, Mazzariol S., Barausse A. 2025. Modeling the impacts of natural and human factors on the hatching success of the loggerhead sea turtle *Caretta caretta* along the coasts of Italy. *PlosOne* 20(4): e0320733.
- 6) Barbato M., Bonanomi S., Borme D., Cetkovic I., Colloca F., Di Lorenzo M., Marino I.A.M., **Mazzoldi C.**, Pesic A., Sala A., Zane L., Mezzavilla M. 2025. New findings into the genetic population structure of two commercially valuable and threatened sharks, *Mustelus mustelus* (Linnaeus, 1758) and *M. punctulatus* (Risso, 1827), allow refining management strategy in the Central Mediterranean Sea. *Frontiers in Marine Science* 12: 1520573.
- 7) Sepe E., Poli F., Cali F., D'Acunto S., **Mazzoldi C.**, Barbato M. 2025. Assessing the effectiveness of complementary mitigation approaches and rearing techniques to manage the common cuttlefish in the artisanal fishery of the Venice Lagoon and the Northern Adriatic Sea. *Fisheries Research* 281: 107209.
- 8) Piccardi F., Poli F., Sguotti C., **Mazzoldi C.**, Borme D., Tirelli V., Barausse A. 2025. Assessing the impact of the invasive ctenophore *Mnemiopsis leidyi* A. Agassiz 1865 on the artisanal fisheries of the Venice Lagoon: an interdisciplinary approach. *Hydrobiologia* 852: 2387-2405
- 9) Donati E., Ponti M., Turicchia E., Airoidi L., Mazzotta M., Bernardi J., Cali F., **Mazzoldi C.**, Russo E., Pranovi F., Fabbri F., Brigolin D. 2024. Spatial multi-criteria analysis based on food web model results: application to a marine conservation area. *Ecological Indicators* 168: 112776.
- 10) Giovos I., Pytka J.M., Barone M., Koehler L., Loth C., Lowther J., Moutopoulos D.K., Niedermüller S., **Mazzoldi C.** 2024. Conservation and management of chondrichthyans in the Mediterranean Sea: gaps, overlaps, inconsistencies, and the way forward. *Reviews in Fish Biology and Fisheries* 34: 1067-1099.
- 11) De Santis L.J., Bonanomi S., Bueloni E., Petetta A., Annibale O., Finotto L., Vasapollo C., **Mazzoldi C.**, Lucchetti A., Bottaro M. 2024. Performance of sorting grids on catching

elasmobranchs in a multispecies Mediterranean bottom trawl fishery. *Estuarine Coastal and Shelf Science* 296: 108594

- 12) Desiderà E., **Mazzoldi C.**, Navone A., Blandin R., Calò A., Gervaise C., Panzalis P., Trainito E., Guidetti P., Di Iorio L. 2024. Linking *Epinephelus marginatus*' courtship calls and observed behaviours in the wild offers new insights into its reproduction and conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems* 34: e4037.
- 13) Finotto L., Berto D., Rampazzo F., Raicevich S., Bonanomi S., **Mazzoldi C.** 2023. Trophic partitioning among three mesopredatory shark species inhabiting the north-western Adriatic Sea. *Diversity* 15: 1163
- 14) Calì F., La Mesa M., Donato F., **Mazzoldi C.**, Martinelli M., Santojanni A. 2023. Life history traits and historical comparison of blue whiting (*Micromesistius poutassou*) growth performance from the western Pomo/Jabuka Pits area (central Adriatic Sea). *Frontiers in Marine Science* 10: 1291173.
- 15) Barbato M., Zampieri C., D'Acunto S., Pennino M.G., Barausse A., **Mazzoldi C.** 2023. Too young to die: mapping nursery areas for early juveniles of the endangered sandbar shark (*Carcharhinus plumbeus*) to inform conservation in the Mediterranean Sea. *Journal of Applied Ecology* 60: 2223-2234
- 16) Calì F., Stranci F., La Mesa M., **Mazzoldi C.**, Arneri E., Santojanni A. 2023. Whiting grows slower and smaller in the Adriatic Sea: new insights from a 30-year comparison. *Fishes* 8: 341.
- 17) Uvanović H., Peharda M., Pavin P., Thébault J., **Mazzoldi C.**, Mihanović H., Župan I. 2023. Developing a sclerochronology network in the Adriatic Sea: Growth synchrony among populations of *Callista chione*. *Regional Studies in Marine Science* 64: 103009
- 18) Li Veli D., Petetta A., Barone G., Ceciari I., Franchi E., Marsili L., Pietrolungo G., **Mazzoldi C.**, Holcer D., D'Argenio S., Guccione S., Testa R.L., Blasi M.F., Cinti M.F., Livreri Console S., Rinaudo I., Lucchetti A. 2023. Fishers' perception on the interaction between dolphins and fishing activities in the Italian and Croatian waters. *Diversity* 15: 133.
- 19) Riginella E., Nalon M., Sinopoli M., **Mazzoldi C.** 2022. Gain or loss for the inshore trawling ban within three miles? A case of study. *Fishes* 7: 320.
- 20) Boscolo Palo G., Di Lorenzo M., Gancitano S., Ragonese S., **Mazzoldi C.**, Colloca F. 2022. Sharks do not always grow slowly: tagging data reveal a different pattern of growth, longevity and maturity for threatened smooth-hounds in the Central Mediterranean Sea. *Journal of Marine Science and Engineering* 10: 1647.
- 21) Sguotti C., Bischoff A., Conversi A., **Mazzoldi C.**, Möllmann C., Barausse A. 2022. Stable landings mask irreversible food web reorganizations in an overexploited Mediterranean ecosystem. *Journal of Animal Ecology* 91: 2465-2479.
- 22) Desiderà E., **Mazzoldi C.**, Navone A., Panzalis P., Gervaise C., Guidetti P., Iorio L.D. 2022. Reproductive behaviours and potentially associated sounds of the Mottled grouper *Mycteroperca rubra*: implications for conservation. *Diversity* 14: 318.
- 23) Bellodi A., Benvenuto A., Melis R., Mulas A., Barone M., Barría C., Cariani A., Carugati L., Chatzisprou A., Desrochers M., Ferrari A., Guallart J., Hemida F., Mancusi C., **Mazzoldi C.**, Ramírez-Amaro S., Rey Sanz J., Scannella D., Serena F., Tinti F., Vella A., Follesa M.C., Cannas R.

2022. Call me by my name: unravelling the taxonomy of the gulper shark genus *Centrophorus* in the Mediterranean Sea through an integrated taxonomic approach. *Zoological Journal of the Linnean Society* 195: 815-840.
- 24) Barone M., Mollen F., Giles J., Marshall L., Villate-Moreno M., **Mazzoldi C.**, Heine J., Pérez-Costas E., Guisande C. 2022. Performance of *iSharkFin* in the identification of wet dorsal fins from priority shark species. *Ecological Informatics* 68: 101514.
- 25) Giovos I., Barash A., Barone M., Barría C., Borme D., Brigaudeau C., Charitou A., Brito C., Currie J., Dornhege M., Endrizzi L., Forsberg K., Jung A., Kleitou P., MacDiarmid A., Moutopoulos D. K., Nakagun S., Neves J., Nunes F.L.D., Schröder D., Thurstan R.H., Tull M., Tuncer S., **Mazzoldi C.** 2021. Understanding the public attitude towards sharks for improving their conservation. *Marine Policy* 34: 104811
- 26) Barbato M., Barría C., Bellodi A., Bonanomi S., Borme D., Četković I., Colloca F., Colmenero A., Crocetta F., De Carlo F., Demir E., Di Lorenzo M., Follesa M., Garibaldi F., Giglio G., Giovos I., Guerriero G., Hentati O., Ksibi M., Kruschel C., Lanteri L., Leonetti F., Ligas A., Madonna A., Matic Skoko S., Mimica R., Moutopoulos D., Mulas A., Nerlović V., Pešić A., Porcu C., Riginella E., Sperone E., Tsouknidas K., Tunçer S., Vrdoljak D., **Mazzoldi C.** 2021. The use of fishers' Local Ecological Knowledge to reconstruct fish behavioural traits and fishers' perception of conservation relevance of elasmobranchs in the Mediterranean Sea. *Mediterranean Marine Science* 22(3): 603-622
- 27) Riginella E., Pineda-Metz S.E.A., Gerdes D., Nils K., Böhmer A., Biebow H., Papetti C., **Mazzoldi C.**, La Mesa M. 2021. Parental care and demography of a spawning population of the channichthyid *Neopagetopsis ionah*, Nybelin 1947 from the Weddell Sea. *Polar Biology* 44: 1725–1735
- 28) Desiderà E., Trainito E., Navone A., Blandin R., Magnani L., Panzalis P., **Mazzoldi C.**, Guidetti P. 2021. Using complementary visual approaches to investigate residency, site fidelity and movement patterns of the dusky grouper (*Epinephelus marginatus*) in a Mediterranean Marine Protected Area. *Marine Biology* 168: 111
- 29) Masnadi F., Armelloni E.N., Guicciardi S., Pellini G., Raicevich S., **Mazzoldi C.**, Scanu M., Sabatini L., Tassetti A.N., Ferrà Vega C., Grati F., Bolognini L., Domenichetti F., Cacciamani R., Calì F., Polidori P., Fabi G., Luzi F., Giovanardi O., Bernarello V., Pasanisi E., Franceschini G., Breggion C., Bozzetta E., Sambo A., Prioli G., Gugnali A., Piccioni E., Fiori F., Caruso F., Scarcella G. 2020. Relative survival scenarios: an application to undersized common sole (*Solea solea* L.) in a beam trawl fishery in the Mediterranean Sea. *ICES Journal of Marine Science* 77(7-8): 2646-2655
- 30) Maduna S., Hull K.L., Farrell E., Boomer J.J., Veríssimo A., Marino I.A.M., **Mazzoldi C.**, Zane L., Wintner S.B., Chesalin M.V., Da Silva C., Gubili C., Mariani S., Bester-van der Merwe A. 2020. Historical biogeography of smoothhound sharks (genus *Mustelus*) of southern Africa reveals multiple colonization events from the Northern Hemisphere. *Systematics and Biodiversity* 18(7): 633-645
- 31) Mancusi C., Baino R., Fortuna C., de Sola L. G., Morey G., Bradai M. N., Kallianotis A., Soldo A., Hemida F., Saad A. A., Dimech M., Peristeraki P., Bariche M., Clò S., De Sabata E., Castellano L.,

- Garibaldi F., Lanteri L., Tinti F., Pais A., Sperone E., Micarelli P., Poisson F., Sion L., Carlucci R., Cebrian-Menchero D., Séret B., Ferretti F., El-Far A., Saygu I., Shakman E. A., Bartolí A., Guallart J., Damalas D., Megalofonou P., Vacchi M., Bottaro M., Notarbartolo di Sciara G., Follesa M. C., Canna R., Kabasakal H., Zava B., Cavlan G., Jung A., Abudays M., Kolitari J., Barash A., Joksimovic A., Cetkovic I., Marčeta B., Vila L. G., Tiralongo F., Giovos I., Bargnesi F., Lelli S., Barone M., Moro S., **Mazzoldi C.**, Abella A.J., Serena F. 2020. MEDLEM database, a data collection on large Elasmobranchs in the Mediterranean and Black seas. *Mediterranean Marine Science* 21/2: 276-288.
- 32) Di Lorenzo M., Vizzini S., Signa G., Andolina C., Boscolo Palo G., Gristina M., **Mazzoldi C.**, Colloca F. 2020. Ontogenetic trophic segregation between two threatened smooth-hound sharks in the central Mediterranean Sea. *Scientific Reports* 10:11011.
- 33) Riginella E., Correale V., Marino I.A.M., Rasotto M.B., Vrbatovic A., Zane L., **Mazzoldi C.** 2020. Contrasting life history traits of two sympatric smooth-hound species: implication for vulnerability. *Journal of Fish Biology* 96: 853-857.
- 34) La Mesa M., Calì F., Riginella E., **Mazzoldi C.**, Jones C. D. 2020. Biological parameters of the High-Antarctic icefish, *Cryodraco antarcticus* (Channichthyidae) from the South Shetland Islands. *Polar Biology* 43: 143-155.
- 35) **Mazzoldi C.**, Bearzi G., Brito C., Carvalho I., Desiderà E., Endrizzi L., Freitas L., Giacomello E., Giovos I., Guidetti P., Ressurreição A., Tull M., MacDiarmid A. 2019. From sea monsters to charismatic megafauna: changes in perception and use of large marine animals. *PlosOne*, 14(12): e0226810
- 36) Bargione G., Donato F., La Mesa M., **Mazzoldi C.**, Riginella E., Virgili M., Lucchetti A. 2019. Life-history traits of the spiny dogfish *Squalus acanthias* in the Adriatic Sea. *Scientific Reports* 9: 14317
- 37) Hull K.L., Asbury T.A., da Silva C., Dicken M., Veríssimo A., Farrell E.D., Mariani S., **Mazzoldi C.**, Marino I.A.M., Zane L., Maduna S.M., Bester-van der Merwe A.E. 2019. Strong genetic isolation despite wide distribution in a commercially exploited coastal shark. *Hydrobiologia* 838: 121-137
- 38) Rowley A., Locatello L., Kahrl A., Rego M., Boussard A., Garza-Gisholt E., Kempster R.M., Collin S.P., Giacomello E., Follesa M.C., Porcu C., Evans J.P., Hazin F., Garcia-Gonzalez F., Daly-Engel T.S., **Mazzoldi C.**, Fitzpatrick J.L. 2019. Sexual selection and the evolution of sperm morphology in sharks. *Journal of Evolutionary Biology* 32:1027-1035
- 39) Lucon-Xiccato T., Anastasia N., **Mazzoldi C.**, Griggio M. 2019. Familiarity and sex modulates size-dependent following behaviour in the Mediterranean killifish. *The Science of Nature* 106: 31
- 40) Desiderà E., Magnani L., Navone A., Guidetti P., **Mazzoldi C.** 2019. First direct evidence of reproduction of the White grouper, *Epinephelus aeneus*. *Mediterranean Marine Science* 20/2: 326-330.

- 41) Azzurro E., Sbragaglia V., Cerri J., Bariche M., Bolognini L., Ben Souissi J., Busoni G., Chryssanthi A., Coco S., Garrabou J., Gianni F., Grati F., Kolitari J., Guglielmo L., Lipej L., **Mazzoldi C.**, Milone N., Nur E.T., Pannacciulli F., Pešić A., Samuel-Rhoads Y., Saponari L., Tomanic J., Vargiu G., Moschella P. 2019. The shifting distribution of Mediterranean fishes: a spatio-temporal assessment based on Local Ecological Knowledge. *Global Change Biology* 25: 2779-2792
- 42) Miller J.S., **Mazzoldi C.**, Rasotto M.B., Balshine S. 2019. Differential investment in male accessory glands: lessons from a species with alternative reproductive tactics. *Marine Biology* 66:37
- 43) La Mesa M., Riginella E., Donato F., **Mazzoldi C.** 2018. Life history traits of rare Antarctic dragonfishes from the Weddell Sea. *Antarctic Science* 30: 289-297
- 44) La Mesa M., Donato F., Riginella E., **Mazzoldi C.** 2018. Life history traits of a poorly known pelagic fish, *Aethotaxis mitopteryx* (Perciformes, Notothenioidei) from the Weddell Sea. *Polar Biology*, 41:1777-1788
- 45) Raicevich S., Barausse A., Canadelli E., Fortibuoni T., **Mazzoldi C.** 2018. Historical ecology of semi-enclosed basins and coastal areas: Past, present and future of seas at risk. *Regional Studies in Marine Science* 21: 1-6.
- 46) La Mesa M., Calì F., Donato F., Riginella E., **Mazzoldi C.** 2018. Aspects of the biology of the Antarctic dragonfish *Gerlachea australis* (Notothenioidei: Bathydraconidae) in the Weddell Sea, Antarctica. *Polar Biology* 41:793-803
- 47) Marino I.A.M., Finotto L., Colloca F., Di Lorenzo M., Gristina M., Farrell E.D., Zane L., **Mazzoldi C.** 2018. Resolving the ambiguities in the identification of two smooth-hound sharks (*Mustelus mustelus* and *Mustelus punctulatus*) using genetics and morphology. *Marine Biodiversity* 48: 1551-1562
- 48) Locatello L., Santon M., **Mazzoldi C.**, Rasotto M.B. 2017. The marbled goby, *Pomatoschistus marmoratus*, as a promising species for experimental evolution studies. *Organisms Diversity & Evolution* 17(3): 709-716
- 49) Lucon-Xiccato T., **Mazzoldi C.**, Griggio M. 2017. Sex composition modulates the effects of familiarity in new environment. *Behavioural Processes* 140: 133-138.
- 50) Calì F., Riginella E., La Mesa M., **Mazzoldi C.** 2017. Life history traits of *Notothenia rossii* and *N. coriiceps* along the Southern Scotia Arc. *Polar Biology* 40: 1409-1423
- 51) La Mesa M., Riginella E., Catalano B., Jones C.D., **Mazzoldi C.** 2017. Maternal contribution to spawning and early life-history strategies of the genus *Lepidonotothen* (Nototheniidae, Perciformes) along the southern Scotia Arc. *Polar Biology* 40: 1441-1450.
- 52) Meneghesso C., Riginella E., La Mesa M., Donato F., **Mazzoldi C.** 2017. Age and reproduction in two Antarctic plunderfishes (Artedidraconidae) from the Weddell Sea. *Polar Biology* 40: 13-24
- 53) Finotto L., Barausse A., **Mazzoldi C.** 2016. In search of prey: the occurrence of *Alopias vulpinus* in the northern Adriatic Sea and its interactions with fishery. *Acta Adriatica* 57(2): 295 – 304.
- 54) Locatello L., **Mazzoldi C.**, Santon M., Sparaciarì S., Rasotto M.B. 2016. Unexpected female preference for smaller males in the marbled goby *Pomatoschistus marmoratus* (Risso, 1810). *Journal of Fish Biology* 89: 1845-1850

- 55) Marra S., Coppa S., Camedda A., **Mazzoldi C.**, Wrachien F., Massaro G., De Lucia G.A. 2016. Recovery trends of commercial fish: the case of an underperforming Mediterranean marine protected area. *Plos One* 11(1): e0146391. doi:10.1371/journal.pone.0146391
- 56) La Mesa M., Riginella E., Melli V., Bartolini F., **Mazzoldi C.** 2016. Biological traits of a sub-Antarctic nototheniid, *Patagonotothen ramsayi*, from the Burdwood Bank. *Polar Biology* 39: 103-111.
- 57) Riginella E., **Mazzoldi C.**, Ashford J., Jones C.D., Morgan C., La Mesa M. 2016. Life history strategies of the Scotia Sea icefish, *Chaenocephalus aceratus*, along the Southern Scotia Ridge. *Polar Biology* 39: 497-509
- 58) Engelhard G.H., Thurstan R.H., MacKenzie B.R., Alleway H.K., Bannister R.C.A., Cardinale M., Clarke M.W., Currie J.C., Fortibuoni T., Holm P., Holt S.J., **Mazzoldi C.**, Pinnegar J.K., Raicevich S., Volckaert F.A.M., Klein E.S., Lescauwaet A.K. 2016. ICES meets marine historical ecology: placing the history of fish and fisheries in current policy context. *ICES Journal of Marine Science* 73: 1386-1403
- 59) Marino I.A.M., Riginella E., Gristina M., Rasotto M.B., Zane L., **Mazzoldi C.** 2015. Multiple paternity and hybridization in two smooth-hound sharks. *Scientific Report* 5:12919
- 60) Matozzo V., Conenna I., Riedl V., Marin M.G., Marčeta T., **Mazzoldi C.** 2015. A first survey on the biochemical composition of egg yolk and lysozyme-like activity of egg envelopment in the cuttlefish *Sepia officinalis* from the Northern Adriatic Sea (Italy). *Fish and Shellfish Immunology* 45: 528-533
- 61) Finotto L., Gristina M., Garofalo G., Riginella E., **Mazzoldi C.** 2015. Contrasting life history and reproductive traits in two populations of *Scyliorhinus canicula*. *Marine Biology* 162: 1175-1186
- 62) Marino I.A.M., Riginella E., Cariani A., Tinti F., Farrell E.D., **Mazzoldi C.**, Zane L. 2015. New molecular tools for the identification of 2 endangered smooth-hound sharks, *Mustelus mustelus* and *Mustelus punctulatus*. *Journal of Heredity* 106: 123-130
- 63) La Mesa M., Riginella E., **Mazzoldi C.**, Ashford J. 2015. Reproductive resilience of ice-dependent Antarctic silverfish in a rapidly changing system along the western Antarctic Peninsula. *Marine Ecology* 36: 235-245
- 64) **Mazzoldi C.**, Sambo A., Riginella E. 2014. The Clodia database: a long time series of fishery data from the Adriatic Sea. *Scientific Data* 1:140018.
- 65) Piraino S., Aglieri G., Martell L., **Mazzoldi C.**, Melli V., Milisenda G., Scorrano S., Boero F. 2014. *Pelagia benovici* sp. nov. (Cnidaria, Scyphozoa): a new jellyfish in the Mediterranean Sea. *Zootaxa* 3794: 455-468.
- 66) Melli V., Riginella E., Nalon M., **Mazzoldi C.** 2014. From trap to nursery. Mitigating the impact of an artisanal fishery on cuttlefish offspring. *Plos ONE* 9(2): e90542.
- 67) Barausse A., Correale V., Curkovic A., Finotto L., Riginella E., Visentin E., **Mazzoldi C.** 2014. The role of fisheries and the environment in driving the decline of elasmobranchs in the northern Adriatic Sea. *ICES Journal of Marine Science* 71: 1593-1603.

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- 69) Papetti C., Di Franco A., Zane L., Guidetti P., De Simone V., Spizzotin M., Zorica B., Čikeš Keč V., **Mazzoldi C.** 2013. Single population and common natal origin for Adriatic *Scomber scombrus* stocks: evidence from an integrated approach. *ICES Journal of Marine Science*, 70: 387-398.
- 70) Pujolar J.M., Locatello L., Zane L., **Mazzoldi C.** 2012. Body size correlates with fertilization success but not gonad size in grass goby territorial males. *PLoS ONE* 7(10): e46711. doi:10.1371/journal.pone.0046711.
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- 72) Cenci E., Pizzolon M., Chimento N., **Mazzoldi C.** 2011. The influence of a new artificial structure on fish assemblages of adjacent hard substrata. *Estuarine Coastal and Shelf Science*, 91: 133-149.
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- 74) Barausse A., Duci A., **Mazzoldi C.**, Artioli Y., Palmeri L. 2009. Trophic network model of the Northern Adriatic Sea: Analysis of an exploited and eutrophic ecosystem. *Estuarine Coastal and Shelf Science*, 83: 577-590.
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- 78) Pizzolon M., Cenci E., **Mazzoldi C.** 2008. The onset of fish colonization in a coastal defence structure (Chioggia, Northern Adriatic Sea). *Estuarine Coastal and Shelf Science*, 68: 166-178.
- 79) Pizzolon M., Rasotto M.B., **Mazzoldi C.** 2008. Male lagoon gobies, *Knipowitschia panizzae*, prefer more ornamented to larger females. *Behavioral Ecology and Sociobiology*, 62: 521-528.
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