

Publication list

OSCAR PUEBLA

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Sum of the times cited/h-index **971/16** (*Google Scholar*) **697/14** (*Web of Science*)

Peer-reviewed research (31 contributions, 22 of which first- or last-authored)

31. Merten V, **Puebla O**, Bayer T, Reusch TBH, Fuss J, Stefanschitz J, Metfies K, Stauffer J, Hoving H-J (*in press*) Arctic nekton uncovered by eDNA metabarcoding: diversity, potential range expansions and benthopelagic coupling. *Environmental DNA*. <https://doi.org/10.1002/edn3.403>
30. Benestan L, Loiseau N, Guerin P-E, Rühls S, Schmidt C, Rath W, Biastoch A, Ford A, Pérez-Ruzafa A, Baixauli P, Forcada A, Arcas E, Lenfant P, Mallol S, Goñi R, Velez L, Mouillot D, **Puebla O**, Manel S (2022) Contrasting influence of seascape, space and marine reserves on genomic variation in multiple species. *Ecography* e06127. <https://doi.org/10.1111/ecog.06127>
29. Hench K, Helmkamp M, McMillan WO, **Puebla O** (2022) Rapid radiation in a highly diverse marine environment. *Proceedings of the National Academy of Sciences of the United States of America* 119, e202045711922. <https://doi.org/10.1073/pnas.2020457119>
28. **Puebla O**, Coulmance F, Estapé CJ, Estapé AM, Robertson DRR (2022) A review of 263 years of taxonomic research on *Hypoplectrus* (Perciformes: Serranidae), with a redescription of *Hypoplectrus affinis* (Poey, 1861). *Zootaxa* 5093, 101–141. <https://doi.org/10.11646/zootaxa.5093.2.1>
27. Merten V, Bayer T, Reusch TBH, **Puebla O**, Fuss J, Stefanschitz J, Lischka A, Hauss H, Neitzel P, Piatkowski U, Czudaj S, Christiansen B, Denda A, Hoving H-JT (2021) An integrative assessment combining deep-sea net sampling, in situ observations and eDNA analysis identifies Cabo Verde as a cephalopod biodiversity hotspot in the Atlantic Ocean. *Frontiers in Marine Science* 8, 760108. <https://doi.org/10.3389/fmars.2021.760108>
26. Marcos C, Díaz D, Fietz K, Forcada A, Ford A, García-Charton J-A, Goñi R, Lenfant P, Mallol S, Mouillot D, Pérez-Marcos M, **Puebla O**, Manel S, Pérez-Ruzafa A (2021) Reviewing the ecosystem services, societal goods and benefits of marine protected areas. *Frontiers in Marine Science* 8, 613819. <https://doi.org/10.3389/fmars.2021.613819>
25. Benestan L*, Fietz K*, Loiseau N, Guerin P-E, Trofimenko E, Rühls S, Schmidt C, Rath W, Biastoch A, Pérez-Ruzafa A, Baixauli P, Forcada A, Arcas E, Lenfant P, Mallol S, Goñi R, Velez L, Höppner M, Kininmonth S, Mouillot D, **Puebla O***, Manel S (2021) Restricted dispersal in a sea of gene flow. *Proceedings of the Royal Society B* 288, 20210458. <https://doi.org/10.1098/rspb.2021.0458> *These authors contributed equally to this study
24. Visser F, Merten VJ, Bayer T, Oudejans MG, de Jonge DSW, **Puebla O**, Reusch TBH, Fuss J, Hoving HJT (2021). Deep-sea predator niche segregation revealed by combined cetacean biologging and eDNA analysis of cephalopod prey. *Science Advances* 2021, eabf5908. <https://doi.org/10.1126/sciadv.abf5908>
23. de Jonge DSW, Merten V, Bayer T, **Puebla O**, Reusch TBH, Hoving H-JT (2021) A novel metabarcoding primer pair for environmental DNA analysis of Cephalopoda (Mollusca) targeting the nuclear 18S rRNA region. *Royal Society Open Science* 8, 201388. <https://doi.org/10.1098/rsos.201388>
22. Fietz K, Trofimenko E, Guerin PE, Arnalb V, Torres-Oliva M, Lobréaux S, Pérez-Ruzafa A, Manel S, **Puebla O** (2020) New genomic resources for three exploited Mediterranean fishes. *Genomics* 112, 4297–4303. <https://doi.org/10.1016/j.ygeno.2020.06.041>
21. Peña J, Nöldeke G, **Puebla O** (2020) The evolution of egg trading in simultaneous hermaphrodites. *The American Naturalist* 195, 524–533. <https://doi.org/10.1086/707016>
20. Moody EK, Alda F, Capps KA, **Puebla O**, Turner BL (2019) Trophic trait evolution explains variation in nutrient excretion stoichiometry among Panamanian armored catfishes (Loricariidae). *Diversity* 11, 88. <https://doi.org/10.3390/d11060088>

19. Hench K, Vargas M, Höppner MP, McMillan WO, **Puebla O** (2019) Inter-chromosomal coupling between vision and pigmentation genes during genomic divergence. *Nature Ecology & Evolution* 3, 657–667. <https://doi.org/10.1038/s41559-019-0814-5>
18. Moran BM, Hench K, Waples RS, Höppner MP, Baldwin CC, McMillan WO, **Puebla O** (2019) The evolution of microendemism in a reef fish (*Hypoplectrus maya*). *Molecular Ecology* 28, 2872–2885. <https://doi.org/10.1111/mec.15110>
17. Picq S, Scotti M, **Puebla O** (2019) Behavioural syndromes as a link between ecology and mate choice: a field study in a reef fish population. *Animal Behaviour* 150, 219–237. <https://doi.org/10.1016/j.anbehav.2019.02.016>
16. Manel S, Loiseau N, Andrello M, Fietz K, Goñi R, Forcada A, Lenfant P, Kininmonth S, Marcos C, Marques V, Mallol S, Pérez-Ruzafa A, Breusing C, **Puebla O**, Mouillot D (2019). Long-Distance Benefits of Marine Reserves: Myth or Reality? *Trends in Ecology & Evolution* 34, 342–354. <https://doi.org/10.1016/j.tree.2019.01.002>
15. **Puebla O**, Picq S, Lesser JS, Moran B (2018) Social-trap or mimicry? An empirical evaluation of the *H. unicolor* – *C. capistratus* association in Bocas del Toro, Panama. *Coral Reefs* 37, 1127–1137. <https://doi.org/10.1007/s00338-018-01741-0>
14. Petereit C, Bekkevold D, Nickel S, Dierking J, Hantke H, Hahn A, Reusch T, **Puebla O** (2018) Population genetic structure after 125 years of stocking in Northern Germany sea trout. *Conservation Genetics* 19, 1123–1136. <https://doi.org/10.1007/s10592-018-1083-6>
13. Hench K, McMillan WO, Betancur-R R, **Puebla O** (2017) Temporal changes in hamlet communities (*Hypoplectrus* spp, Serranidae) over 17 years. *Journal of Fish Biology* 91, 1475–1490. <https://doi.org/10.1111/jfb.13481>
12. Merten V, Christiansen B, Javidpour J, Piatkowski U, **Puebla O**, Gasca R, Hoving HJT (2017) Diet and stable isotope analyses reveal the feeding ecology of the orangeback squid *Sthenoteuthis pteropus* (Steenstrup 1855) (Mollusca, Ommastrephidae) in the eastern tropical Atlantic. *PloS one* 12, e0189691. <https://doi.org/10.1371/journal.pone.0189691>
11. Theodosiou L, McMillan WO, **Puebla O** (2016) Recombination in the eggs and sperm in a simultaneously hermaphroditic vertebrate. *Proceedings of the Royal Society B* 283, 20161821. <https://doi.org/10.1098/rspb.2016.1821>
10. Picq S, McMillan WO, **Puebla O** (2016) Population genomics of local adaptation versus speciation in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Ecology and Evolution* 6, 2109–2124. <https://doi.org/10.1002/ece3.2028>
9. **Puebla O**, Bermingham E, McMillan WO (2014) Genomic atolls of divergence in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Molecular Ecology* 23, 5291–5303. <https://doi.org/10.1111/mec.12926>
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7. **Puebla O**, Bermingham E, Guichard F (2012) Pairing dynamics and the origin of species. *Proceedings of the Royal Society B* 279, 1085–1092. <https://doi.org/10.1098/rspb.2011.1549>
6. **Puebla O**, Bermingham E, Guichard F (2009) Estimating dispersal from genetic isolation by distance in a coral reef fish (*Hypoplectrus puella*). *Ecology* 90, 3087–3098. <https://doi.org/10.1890/08-0859.1>
5. **Puebla O** (2009) Ecological speciation in marine v. freshwater fishes. *Journal of Fish Biology* 75, 960–996. <https://doi.org/10.1111/j.1095-8649.2009.02358.x>
4. **Puebla O**, Bermingham E, Guichard F (2008) Population genetic analyses of *Hypoplectrus* coral reef fishes provide evidence that local processes are operating during the early stages of marine adaptive radiations. *Molecular Ecology* 17, 1405–1415. <https://doi.org/10.1111/j.1365-294X.2007.03654.x>
3. **Puebla O**, Sévigny JM, Sainte-Marie B, Brêthes JC, Burmeister A, Dawe EG, Moriyasu M (2008) Population genetic structure of the snow crab (*Chionoecetes opilio*) at the Northwest Atlantic scale. *Canadian Journal of Fisheries and Aquatic Sciences* 65, 425–436. <https://doi.org/10.1139/f07-163>
2. **Puebla O**, Bermingham E, Guichard F, Whiteman E (2007) Colour pattern as a single trait driving speciation in *Hypoplectrus* coral reef fishes? *Proceedings of the Royal Society B* 274, 1265–1271. <https://doi.org/10.1098/rspb.2006.0435>

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Editorial (3 contributions, 3 first- or last-authored)

3. Manel S, Loiseau N, **Puebla O** (2019) Long-Distance Marine Connectivity: Poorly Understood but Potentially Important. *Trends in Ecology & Evolution* 34, 688–689. <https://doi.org/10.1016/j.tree.2019.05.011>
2. **Puebla O** (2018) Another useful property of mtDNA: editorial comment on the highlighted article by Lou *et al.* (2018). *Marin Biology* 165, 125. <https://doi.org/10.1007/s00227-018-3372-5>
1. **Puebla O**, Bermingham E, Guichard F (2011) Perspective: matching, mate choice, and speciation. *Integrative and Comparative Biology* 51, 485-491. <https://doi.org/10.1093/icb/ucr025>