

Peer-reviewed publications (including book chapters) (Underlined authors denote students)

123. **Mueter, F.J.** (2022) Chapter 14: Arctic Fisheries in a Changing Climate. In: Global Arctic. M. Finger and G. Rekvig (Eds). Springer International Publishing. 486pp.
https://doi.org/10.1007/978-3-030-81253-9_14
122. Lundstrom, N., Beaudreau, A., **Mueter, F.J.**, Konar, B. (2022). Environmental drivers of nearshore fish community composition and size structure in glacially influenced Gulf of Alaska estuaries. *Estuaries and Coasts*. <https://doi.org/10.1007/s12237-022-01057-x>
121. Priest, J. T., **Mueter, F.J.**, Raborn, S.W., and Sutton, T.M. (2022) Effects of environmental variables on a nearshore Arctic fish community, 2001–2018. *Polar Biology*.
<https://doi.org/10.1007/s00300-022-03013-8>
120. Berkman, S.A., Sutton, T.M., **Mueter, F.J.**, and Elliott, B.W. (2021). Effects of early-life stage and environmental factors on the freshwater and marine survival of Chinook salmon (*Oncorhynchus tshawytscha*) in rivers of Southeast Alaska. *Fishery Bulletin* 119(4): 201-215. <https://doi.org/10.7755/FB.119.4.1>
119. Sutton, L., **Mueter, F.J.**, Bluhm, B.A., and Iken, K. (2021). Environmental filtering influences functional community assembly of epibenthic communities. *Frontiers in Marine Science* 8: 1439. <https://doi.org/10.3389/fmars.2021.736917>
118. Drinkwater, K. F., Harada, N., Nishino, S., Cherici, M., Danielson, S. L., Ingvaldsen, R. B., Kristiansen, T., Hunt Jr, G.L., **Mueter, F.J.**, and Stiansen, J.E. (2021). Possible future scenarios in the Gateways to the Arctic for Subarctic and Arctic marine systems: I. Climate and physical–chemical oceanography. *ICES Journal of Marine Science* 78(9): 3046-3065, <https://doi.org/10.1093/icesjms/fsab182>
117. **Mueter, F. J.**, Planque, B., Hunt Jr, G. L., Alabia, I. D., Hirawake, T., Eisner, L., Dalpadado, P., Drinkwater, K. F., Harada, N., Arneberg, P., and Saitoh, S.-I. (2021) Possible future scenarios in the Gateways to the Arctic for Subarctic and Arctic marine systems: II. Prey resources, food webs, fish, and fisheries. *ICES Journal of Marine Science* 78(9): 3017-3045, <https://doi.org/10.1093/icesjms/fsab122>
116. **Mueter, F.J.**, Iken, K., Cooper, L.W., Grebmeier, J.M., Kuletz, K.J., Hopcroft, R.R., Danielson, S.L., Collins, R.E., and Cushing, D.A. (2021). Changes in diversity and species composition across multiple assemblages in the eastern Chukchi Sea during two contrasting years are consistent with borealization. *Oceanography* 34(2): 38-51, <https://doi.org/10.5670/oceanog.2021.213>
115. Deary, A.L, Vestfals, C.D, **Mueter, F.J.**, Logerwell, E.A, Goldstein, E.D., Stabeno, P.J., Danielson, S.L., Hopcroft, R.R., Duffy-Anderson, J.T. (2021) Seasonal abundance, distribution, and growth of the early life stages of polar cod (*Boreogadus saida*) and saffron cod (*Eleginus gracilis*) in the US Arctic during a warm year. *Polar Biology* 44: 2055-2076, <https://doi.org/10.1007/s00300-021-02940-2>
114. Callahan, M.W., Beaudreau, A.H., Heintz, R.A., **Mueter, F.J.**, Rogers, M.C. (2021) Temporal and size-based variation in juvenile Sablefish diet composition and quality: Inferences from stomach contents and stable isotopes. *Marine and Coastal Fisheries* 13(4):396–412, <https://doi.org/10.1002/mcf2.10173>

113. Melica, V., Atkinson, S., Calambokidis, J., Lang, A., Scordino, J., and **Mueter, F.J.** (2021). Application of endocrine biomarkers to update information on reproductive physiology in gray whale (*Eschrichtius robustus*). PLOS ONE, 16(8): e0255368, <https://doi.org/10.1371/journal.pone.0255368>
112. Clark, C. T., Cape, M. R., Shapley, M. D., **Mueter, F. J.**, Finney, B. P., and Misarti, N. (2021). SuessR: Regional corrections for the effects of anthropogenic CO₂ on $\delta^{13}\text{C}$ data from marine organisms. Methods in Ecology and Evolution 12(8): 1508-1520, <https://doi.org/10.1111/2041-210X.13622>
111. Melica, V., Atkinson, S., Gendron, D., Calambokidis, J., and **Mueter, F.** (2021). Blubber endocrine profiles provide insights into reproductive biology in blue whales from the eastern North Pacific Ocean. General and Comparative Endocrinology 310: 113830, <https://doi.org/10.1016/j.ygcen.2021.113830>
110. van Putten, I., Kelly, R., Cavanagh, R. D., Murphy, E. J., Breckwoldt, A., Brodie, S., Cvitanovic, C., Dickey-Collas, M., Maddison, L., Melbourne-Thomas, J., Arrizabalaga, H., Azetsu-Scott, K., Beckley, L. E., Bellerby, R., Constable, A. J., Cowie, G., Evans, K., Glaser, M., Hall, J., Hobday, A. J., Johnston, N. M., Llopiz, J. K., **Mueter, F.**, Muller-Karger, F. E., Weng, K. C., Wolf-Gladrow, D., and Xavier, J. C. (2021). A Decade of Incorporating Social Sciences in the Integrated Marine Biosphere Research Project (IMBeR): Much Done, Much to Do? Frontiers in Marine Science, 8: 575. <https://doi.org/10.3389/fmars.2021.662350>
109. Alabia, I. D., García Molinos, J., Hirata, T., **Mueter, F. J.**, Hirawake, T., and Saitoh, S.-I. (2021). Marine biodiversity refugia in a climate-sensitive subarctic shelf. Global Change Biology, 27(14): 3299-3311. <https://doi.org/10.1111/gcb.15632>
108. Vestfals C.D., **Mueter F.J.**, Hedstrom K.S., Laurel B.J., Petrik C.M., Duffy-Anderson J.T., Danielson S.L. (2021). Modeling the dispersal of polar cod (*Boreogadus saida*) and saffron cod (*Eleginus gracilis*) early life stages in the Pacific Arctic using a biophysical transport model. Progress in Oceanography 196: 102571. <https://doi.org/10.1016/j.pocean.2021.102571>
107. Callahan, M.W., Beaudreau, A.H., Heintz, R.A., **Mueter, F.J.** (2021) First winter energy allocation in juvenile sablefish *Anoplopoma fimbria*, a fast growing marine piscivore. Marine Ecology Progress Series 663: 145-156. <https://doi.org/10.3354/meps13641>
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101. Alabia, I., Molinos, J.G., Saitoh, S.-I., Hirata, T., Hirawake, T., **Mueter, F.J.** (2020) Multiple facets of marine biodiversity in the Pacific Arctic under future climate. *Science of the Total Environment* 744: 140913. <https://doi.org/10.1016/j.scitotenv.2020.140913>
100. Wild, L.A., **Mueter, F.J.**, Witteveen, B.H., and Straley, J.M. (2020). Exploring variability in the diet of depredating sperm whales in the Gulf of Alaska through stable isotope analysis. *Royal Society Open Science* 7: 191110. <https://doi.org/10.1098/rsos.191110>
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