

Interactive comment on “Kinetic bottlenecks to chemical exchange rates for deep-sea animals – Part 1: Oxygen” by A. F. Hofmann et al.

Anonymous Referee #2

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Authors state: This concept of a single temperature independent concentration was also used by Vaquer-Sunyer and Duarte (2008) who found “the conventional definition of 2 mg O₂/liter to designate waters as hypoxic” to be too high “to conserve fisheries resources.”

In the paper cited by the authors Vaquer-Sunyer and Duarte do not use a single concentration value. Indeed, authors point to the need of the use of a wide range of values as a single value is not appropriate to describe the onset of hypoxia impacts on marine organism. Moreover, authors state that the use of 2 mg O₂/liter to designate water as hypoxic is too low, and not too high as stated by Hoffmann et al.

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