

Interactive comment on “Characteristics of soil profile CO₂ concentrations in karst areas and its significance for global carbon cycles and climate change” by Qiao Chen

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There are several citations where the authors first and last names have been reversed such as the paper titled Origin and distribution of carbon dioxide in the unsaturated zone of the southern High Plains of Texas should be W.W. Wood and M.J. Petraitis and not Warren et al.. This is also the case for Jeremy et al. and it looks like there are others.

Also, the point that Owens et al. are making is that there is a missing sink of carbon which is based on mapping and carbon isotopes. As they state this cannot be due to carbonate burial as the fractionation from seawater is very minor. Additionally, weath-

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ering of carbonated would have limited effects on the isotope system as well. Thus, I would suggest using the citation of Owens et al. (currently Jeremy et al.) for missing carbon sink should be discussed in a more thorough manner.

Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2018-82>, 2019.

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