

Interactive comment on “Nutrients Dissolution Kinetics of Aerosols at Qianliyan Island, the Yellow Sea by a High Time-resolution Nutrient Dissolution Experiment, Potential Linkages with Inorganic Compositions and P solubility controlled factors” by Ke Zhang et al.

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In fact, the polycarbonate filter has a different pore size from the cellulose fiber filters. This would significantly affect the particle size and composition of aerosol samples as well as nutrients dissolution kinetics of aerosols. Therefore, using two different kinds of filters in collecting TSP samples in the present research is a serious methodological deficiency because it could not guarantee the reliability and comparability of data. No

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matter how good the results and discussions are, they cannot make up for this defect.

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