

Comment: The components of ambient aerosols are complex. The authors have pointed out that there might be significant variations in the RRI for aerosols of different diameters because the aerosol RRI is highly related to the aerosol chemical component. In this manuscript, the results of the derived RRI of the ambient aerosols in the range from 200 nm to 450 nm do not show obvious variations among different diameters. I suggest the authors add some cases to show variations in the size-resolved RRI which will be more convincing.

Reply: Thanks for the comment. Fig. R1 shows the measured RRI values at different diameters during the field measurement on 23 June, 2018, at a suburban site Taizhou (119°57'E, 32°35'N), which lies in the south end of the Jianghuai Plain in the central Eastern China. From fig. R1, the measured mean RRI varies significantly among different diameters from 1.47 at 198 nm to 1.54 at 450 nm.

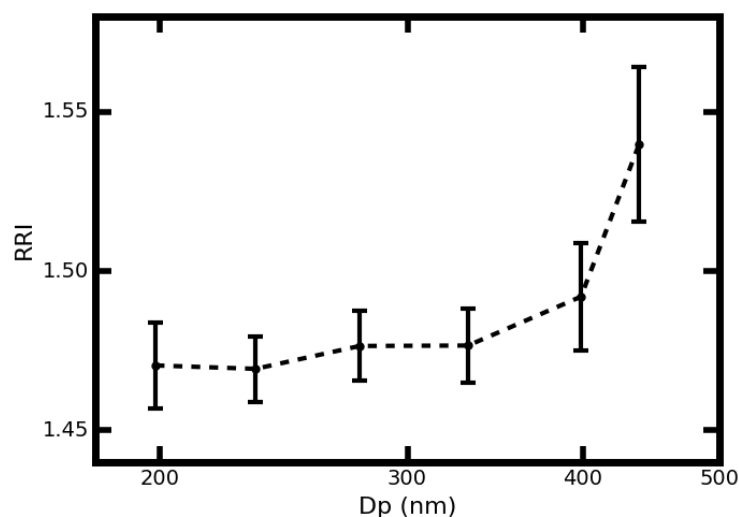


Figure R1. Measured RRI among different diameters.