

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: list of optical constants and efficiency coefficients for extinction calculated using the Mie theory.

File Name: Supplementary Data 2

Description: list of efficiency coefficients for extinction calculated using DDA method.

File Name: Supplementary Data 3

Description: list of particle conditions for IR calculation corresponding to the data in two excel files. Aspect ratio of ellipsoid particle is 0.9 for the data name of Qext551_N30192 and Qext551_N30192_Ta.