

Supplementary material for "The simulated source apportionment of light absorbing aerosols: Effects of microphysical properties of partially-coated black carbon"

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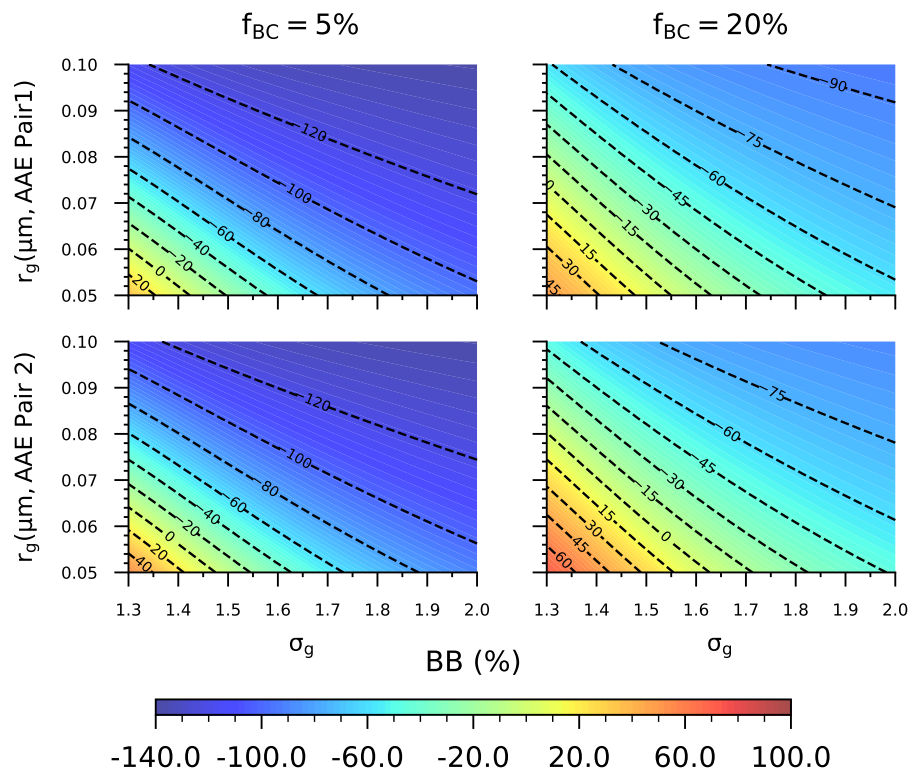


Figure S1. The BB fraction (%) of spherical BC with different size distributions, where the wavelength pair is 470 – 950 nm, $\alpha_{\text{ff}} = 1$, $\alpha_{\text{BB}} = 2$.

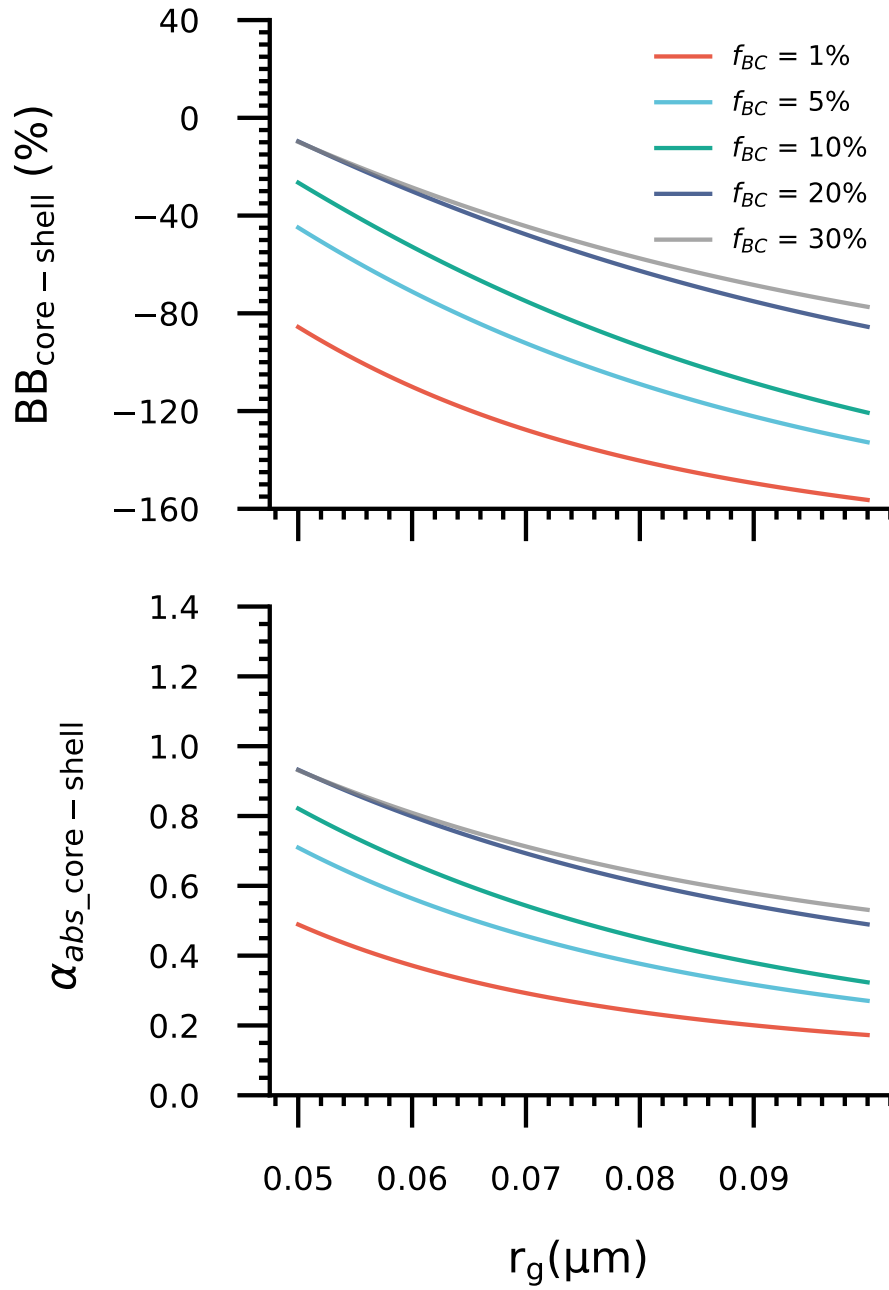


Figure S2. The variations of BB fraction (%) and AAE with r_g for BC with different coating fractions, where the wavelength pair is 470 – 950 nm, $\sigma_g = 1.6$, $\alpha_{\text{ff}} = 1$, $\alpha_{\text{BB}} = 2$.

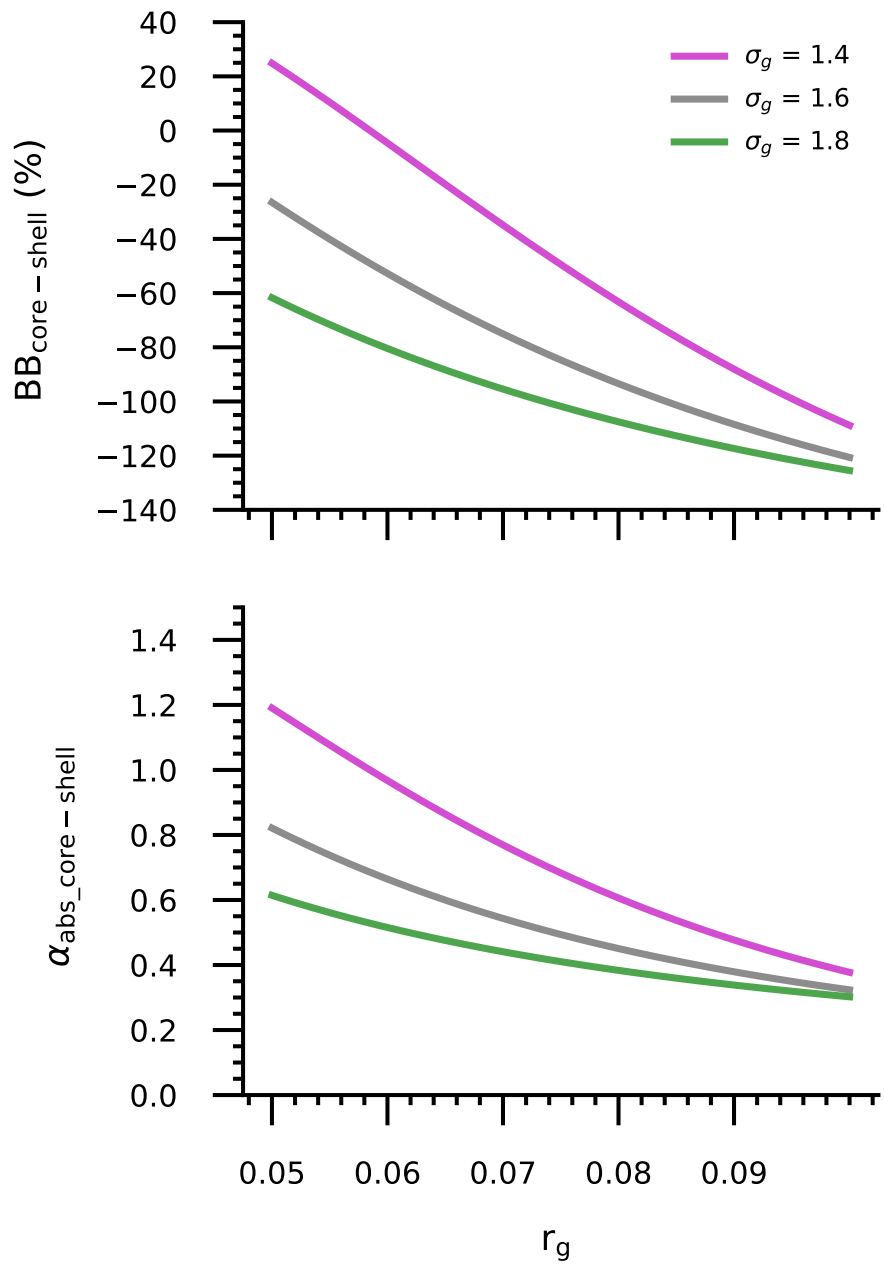


Figure S3. The variations of BB fraction (%) and AAE with r_g for BC with different σ_g , where the wavelength pair is 470 – 950 nm, $f_{\text{BC}} = 10\%$, $\alpha_{\text{ff}} = 1$, $\alpha_{\text{BB}} = 2$.