Supplement of

Hygroscopic growth effect on aerosol light scattering in the urban area of Beijing: a long-term measurement by a wide-range and high-resolution humidified nephelometer system

Pusheng Zhao[1*], Jing Ding[2, 1], Xiang Du[2, 1], and Jie Su[1]

[1] Institute of Urban Meteorology, China Meteorological Administration, Beijing 100089, China

[2] State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control, College of Environmental Science and Engineering, Nankai University, Tianjin 300071, China

***** *Correspondence to:* P. S. Zhao (pszhao@ium.cn)

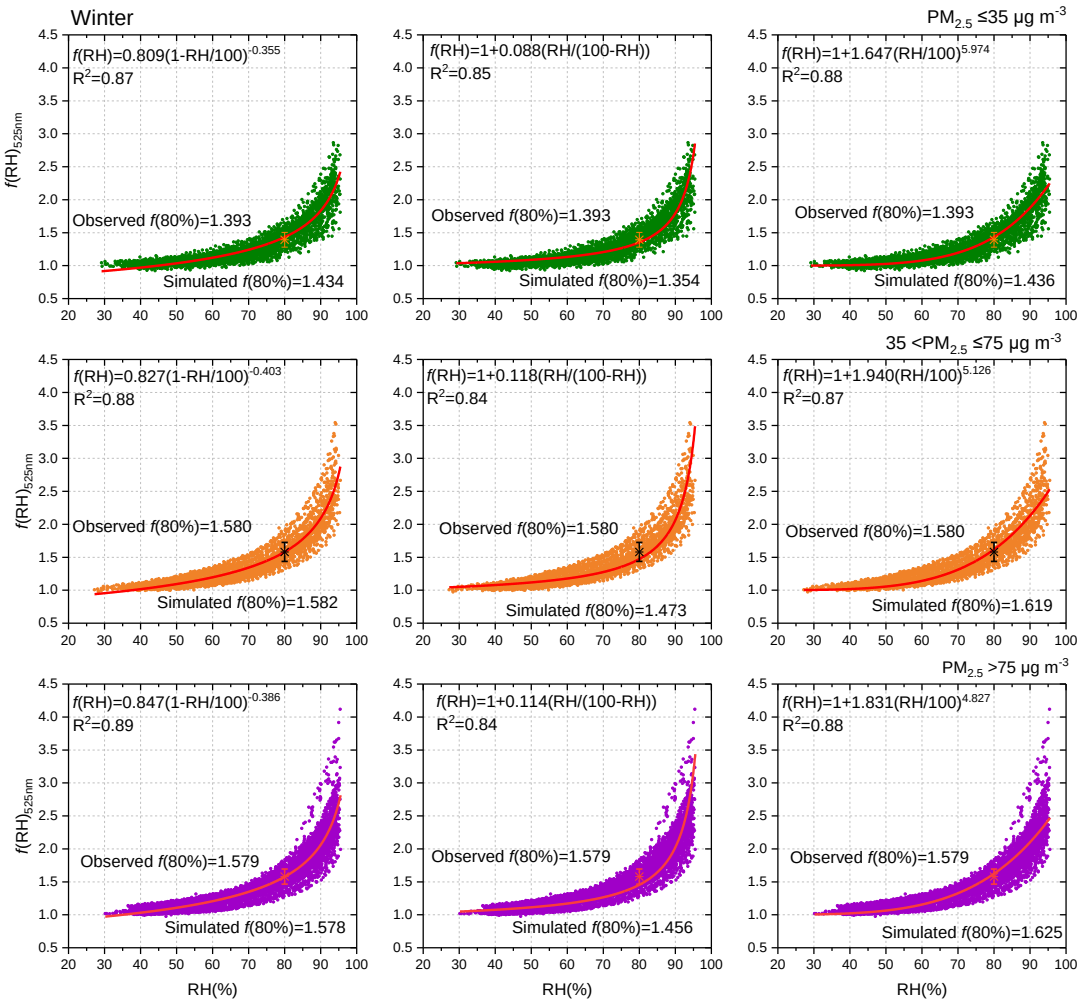

Figure S1 Comparisons of *f*(RH) fitting curves following three different parameterization schemes for winter.

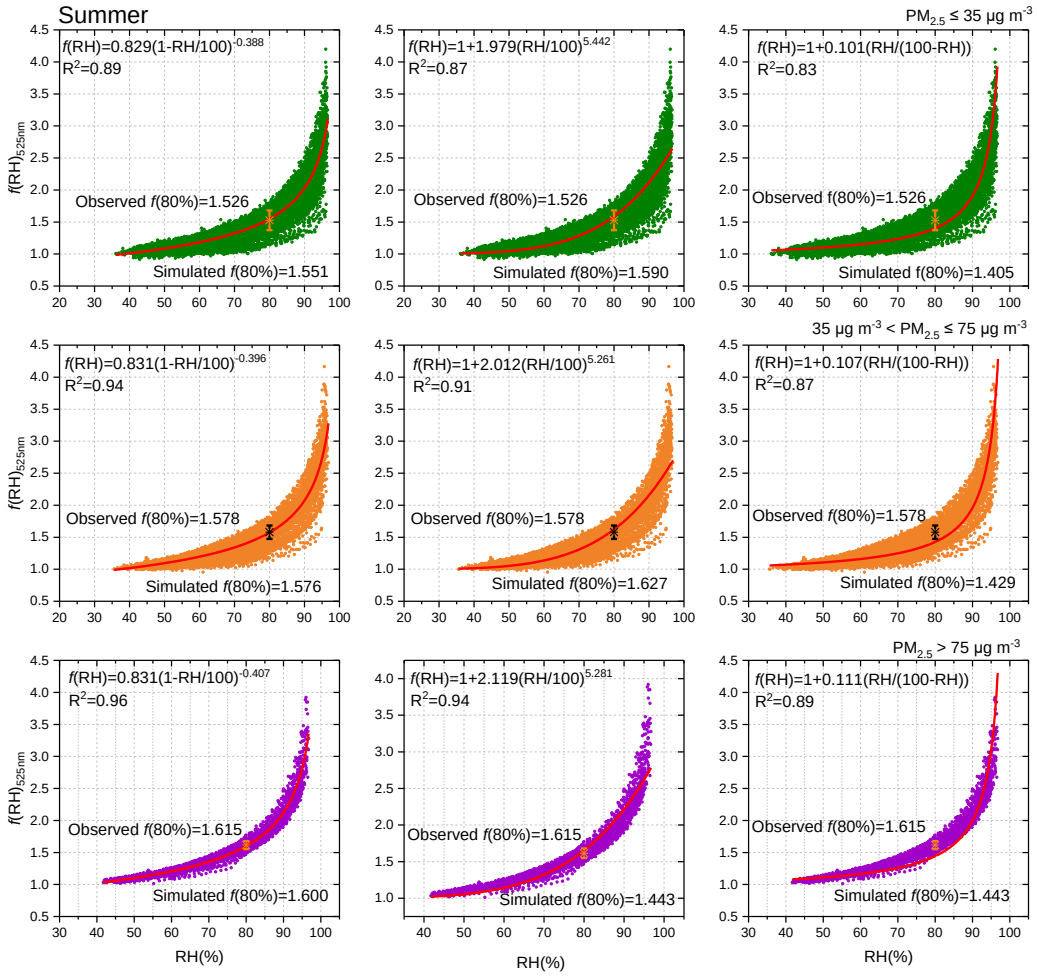

Figure S2 Comparisons of *f*(RH) fitting curves following three different parameterization schemes for summer.

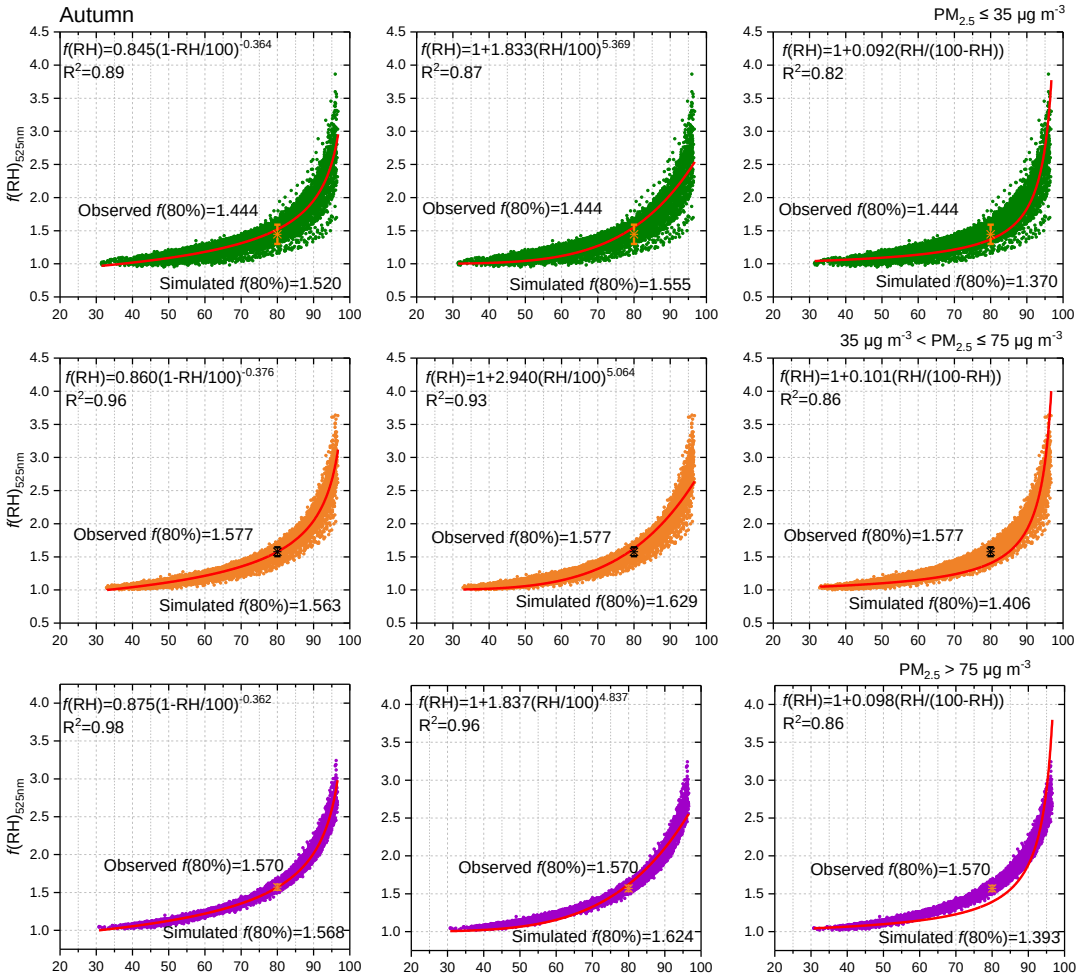

Figure S3 Comparisons of *f*(RH) fitting curves following three different parameterization schemes for autumn.

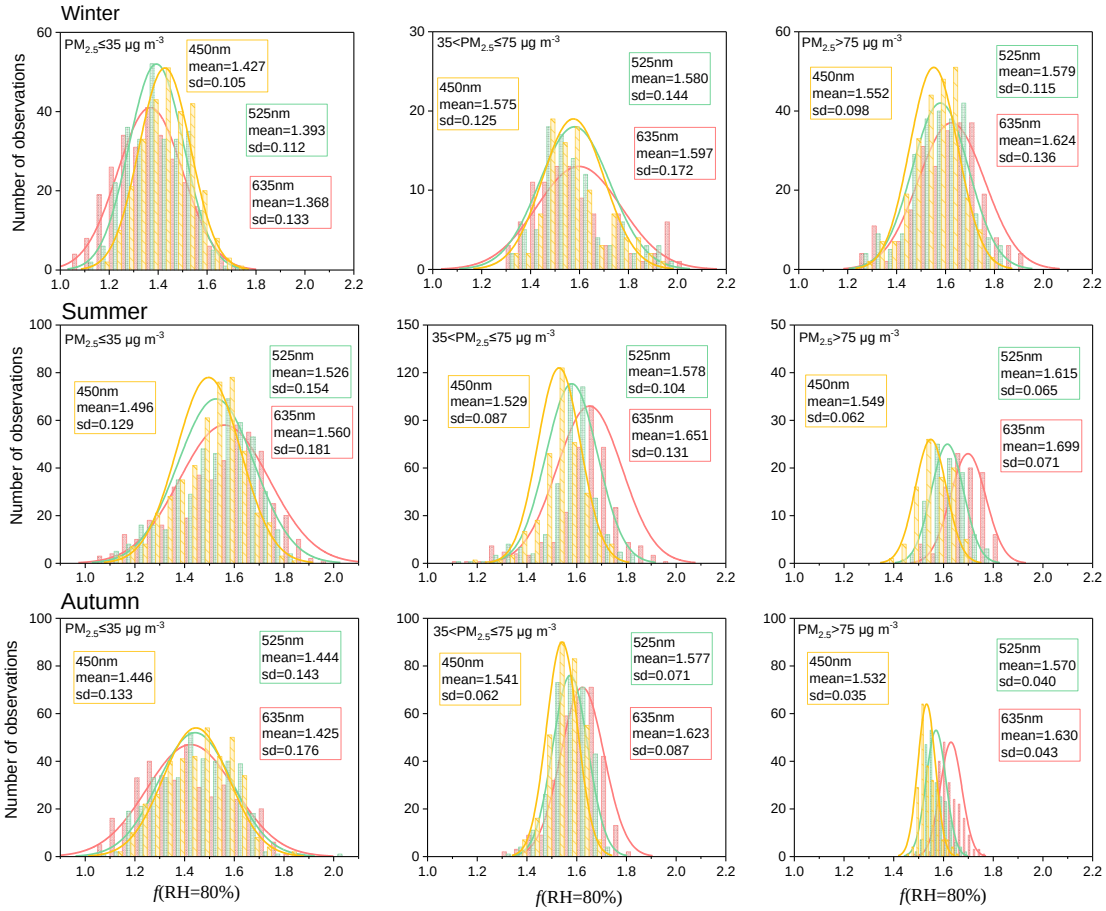

Figure S4 Frequency distributions of *f*(80) under different pollution levels for three seasons.