

Individual particle analysis of aerosols collected under haze and non-haze conditions at a high-elevation mountain site in the North China plain

Li et al.,

We thank the two referees for their constructive comments. We added one new Figure 1 and modified Figure 4, as showing blow.

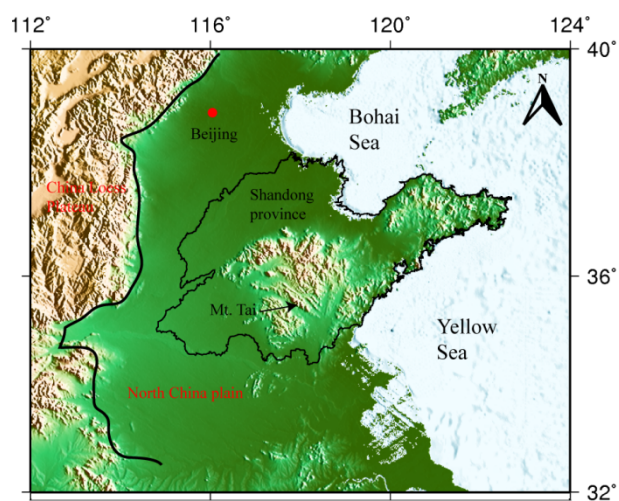
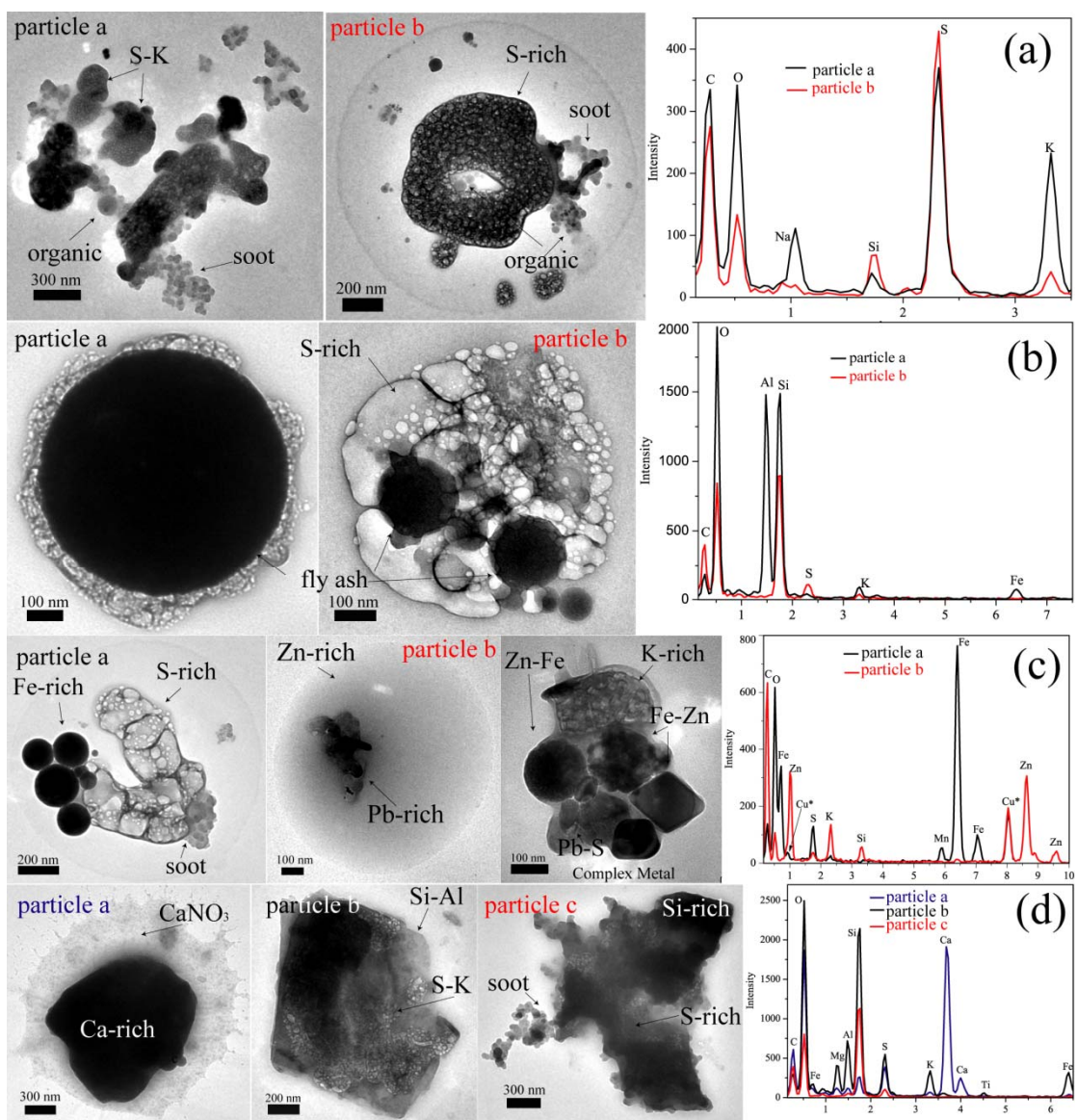


Figure 1 Map showing Mt. Tai in the North China Plain, where is located in Shandong province.



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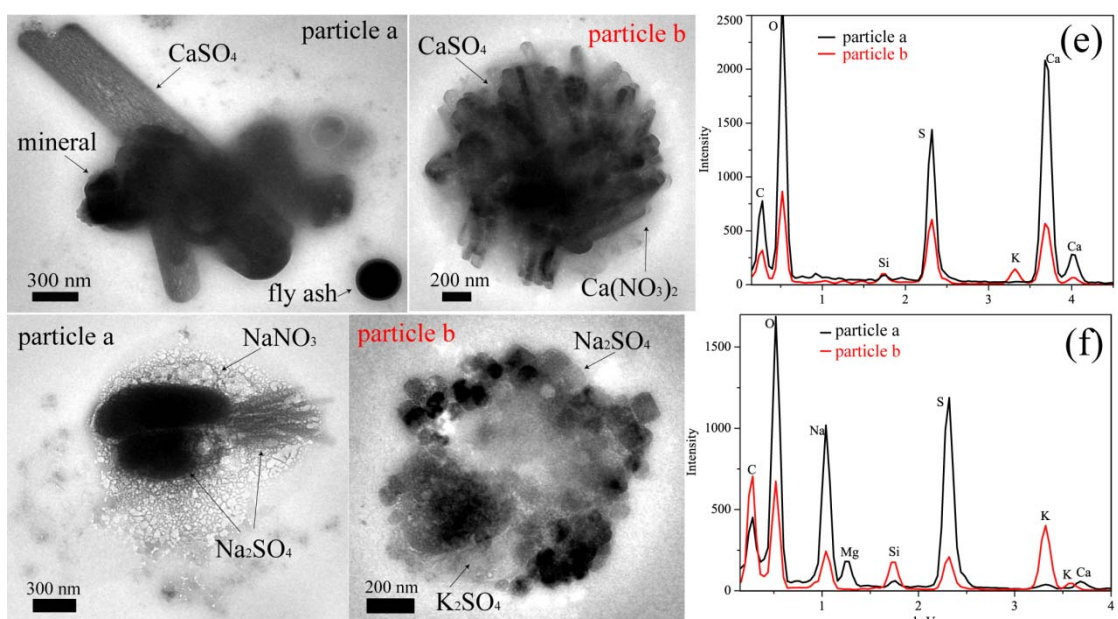


Figure 4 TEM images of different individual aerosol particles and their corresponding EDS spectra. (a) S-rich particles (particle a-b) mainly contain S with a certain amount of K, Na. Most S-rich particles contain organic matter and soot. (b) Fly ash particles (particle a-b) contain Si and/or Al with minor Fe, Mn, and Ti. (c) Metal particles (particle a-b) are Fe-rich, Zn-Pb, Zn-Fe, or their mixtures. (d) Crustal mineral particles (particle a-c) have complex compositions, which depend on mineral types. (e) Ca-S/N particles (particle a-b) are CaSO_4 , $\text{Ca}(\text{NO}_3)_2$, or their mixtures. (f) Na/K-S/N particles (particle a-b) mostly are NaNO_3 , Na_2SO_4 , KNO_3 , K_2SO_4 , or their mixtures.