

Supplemental Information

Technical Note:

On the Filtration efficiency of Composite Media Composed of Multiple Layers of Electret Media

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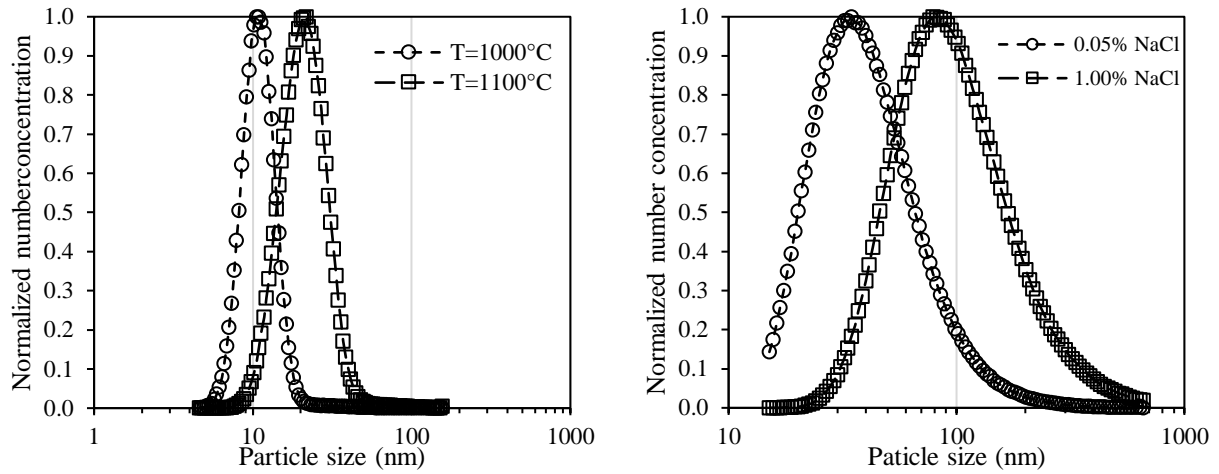


Fig. S1. Typical size distributions of Ag and NaCl particles generated for the DMA classification. Note that the shown size distributions are normalized by the total number concentration of test particles in order to show the characteristics of generated size distributions (in the same order).

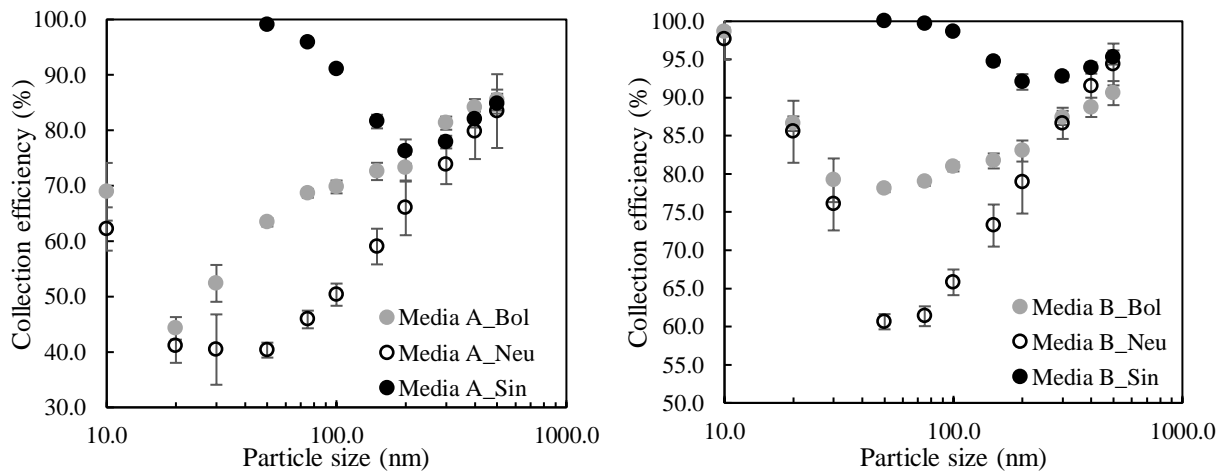


Fig. S2. The comparison between the measured collection efficiency of basic electret media for neutral and singly charged particles, and particles in the Boltzmann stationary charge distribution for the media A and B

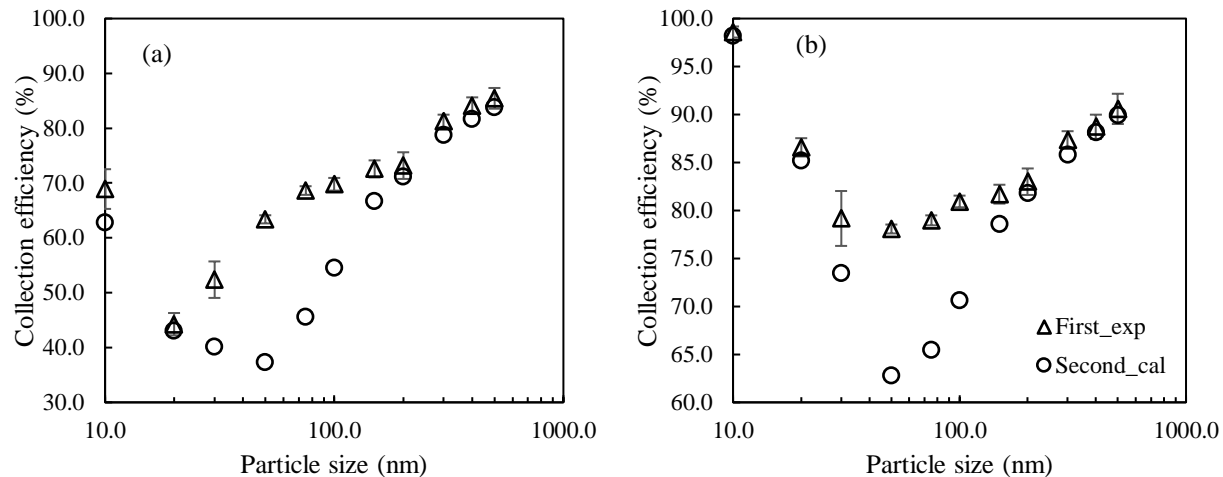


Fig. S3. The measured collection efficiency of the first media layer for test particles in the Boltzmann charge distribution and the calculated collection efficiency of the second media layer by considering the charge distribution of test particles for (a) media A and (b) media B (as the function of particle size).