SUPPLEMENTAL INFORMATION

Large area flexible SERS active substrates using engineered nanostructures

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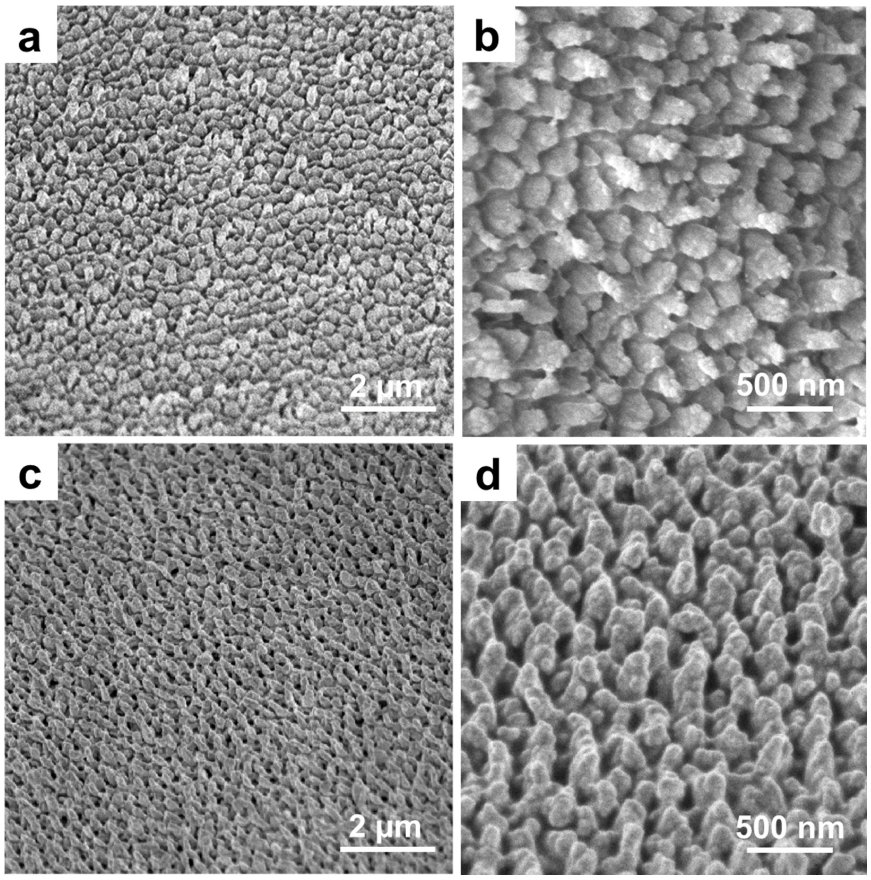

Fig. S1. Effect of evaporation angle, α, on nanostructure formation (a-b) With a small incident angle of 30°, tall structures could be formed since the evaporated metal could penetrate deep into the holes. The structures however tended to be weak and collapsed during dissolution of the AAO membrane (c-d) For the highest incident angle of 60°, we observed shorter and duller nano-pillars.

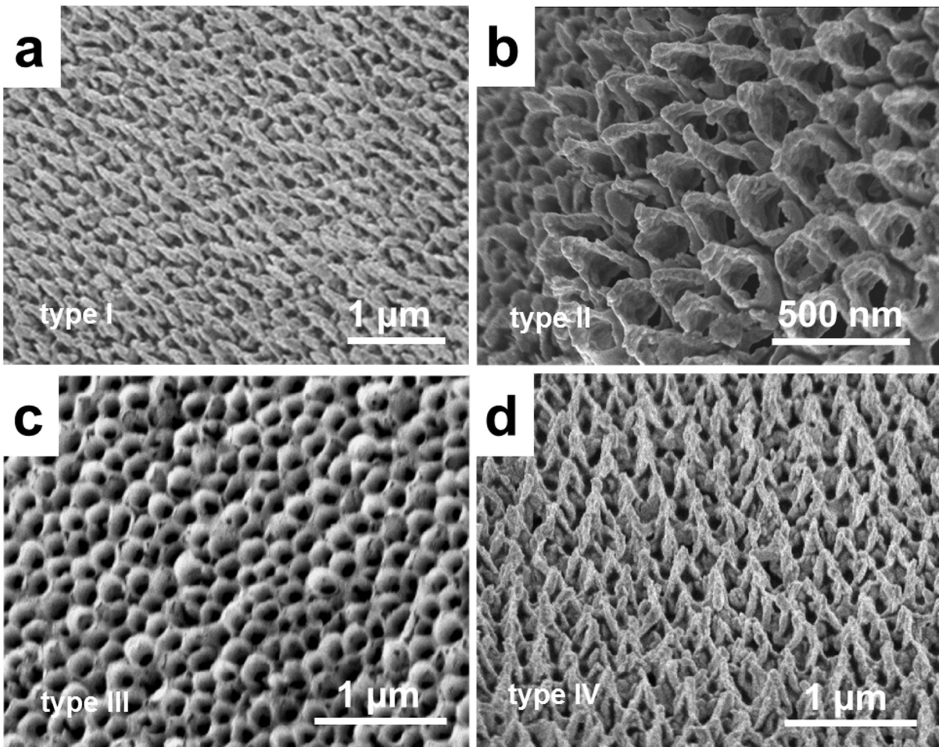

Fig. S2. Uniformity of the four types of SERS-active substrates. Wider view SEM images for each of the nanostructured substrates developed here.