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Electronic Supplementary Information

Probing the growth mechanism of hierarchical architectures of PbTe synthesized through triethanolamine-assisted solvothermal method and their shape-dependent electrical transport properties

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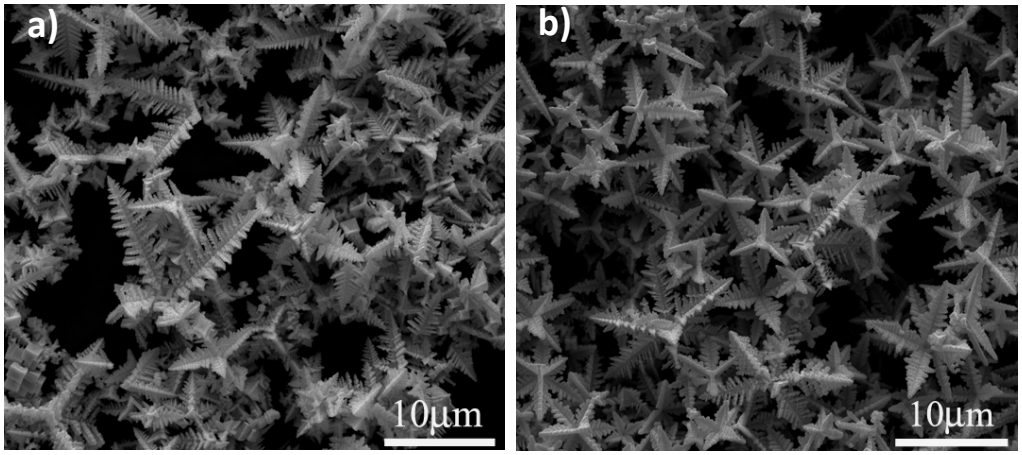

Fig. S1 SEM image of the product obtained at the different volume ratio of V_{TEA}:V_{H2O} = 4:1and 1:4.

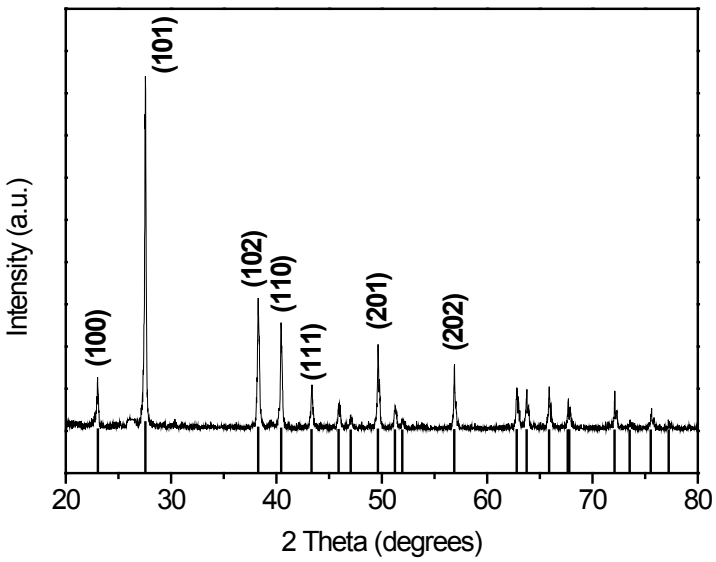

Fig. S2 XRD pattern of the product obtained in the absence of $Pb(Ac)_2$, indicating the product is pure Te.

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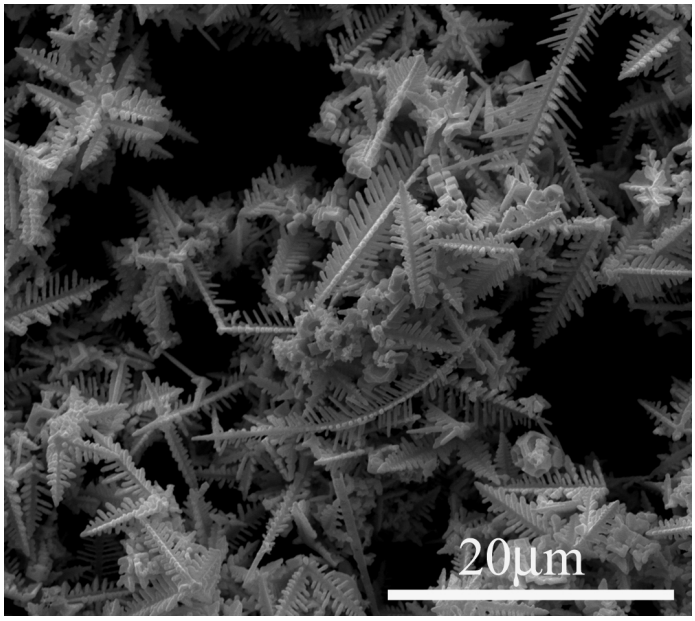

Fig. S3 SEM image of the product obtained when Pb^{2+} ions were reduced to a half of the original amount, indicating hyperbranched nanostructures.

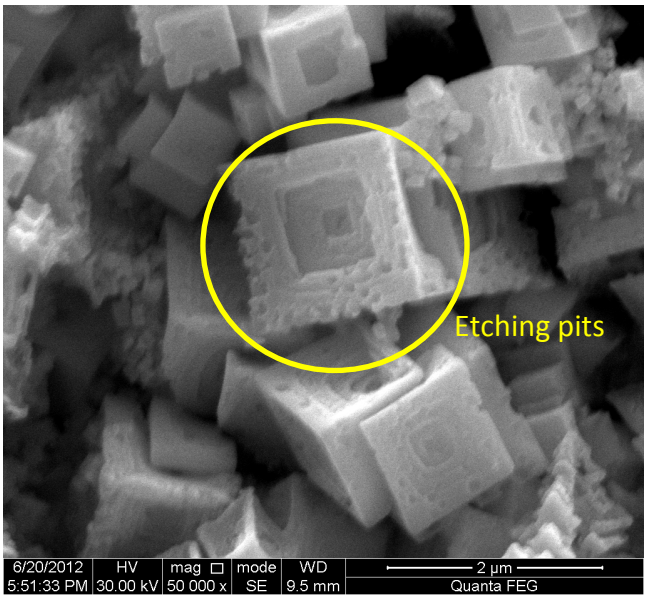

Fig. S4 SEM image of PbTe cubes obtained for 50 min were immersed into KOH solution for 6h.