

Supporting Information

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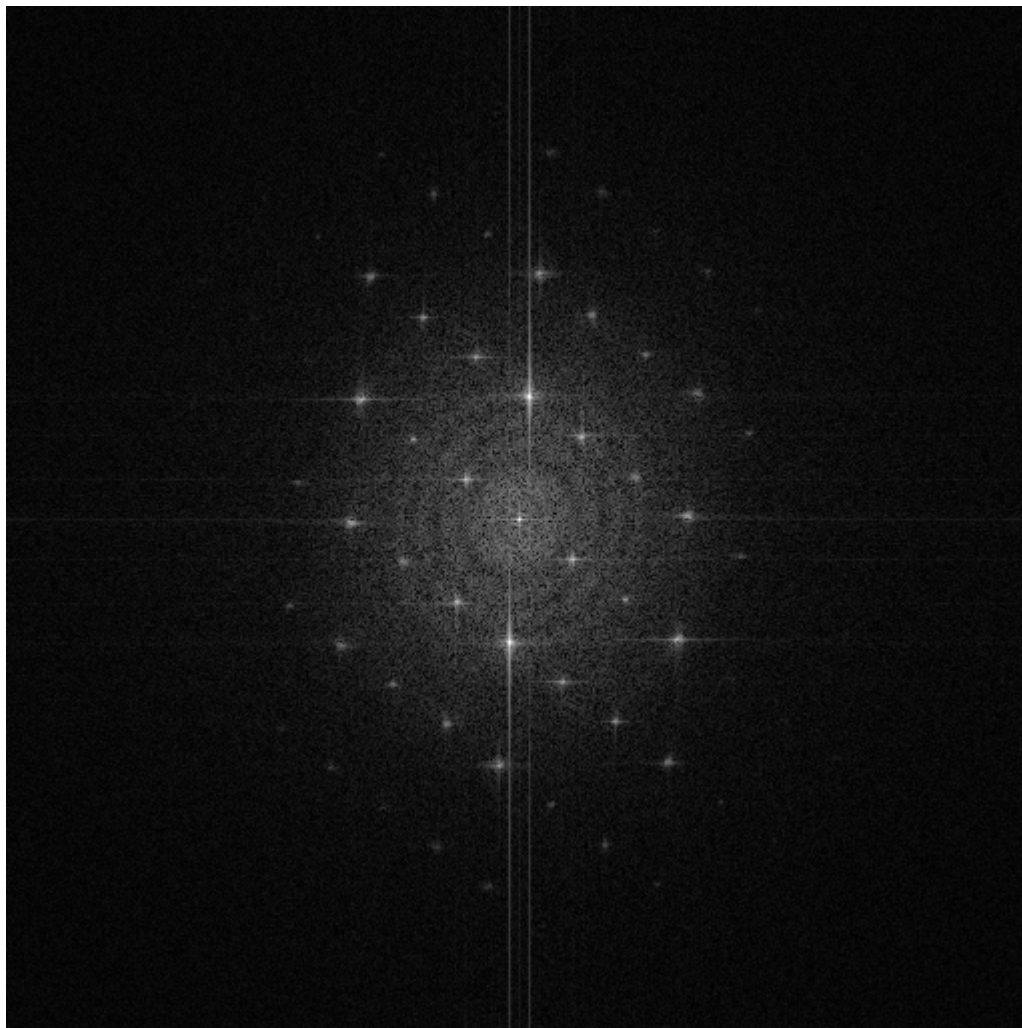


Fig. S1 FFT pattern of a single t-Te nanowire.

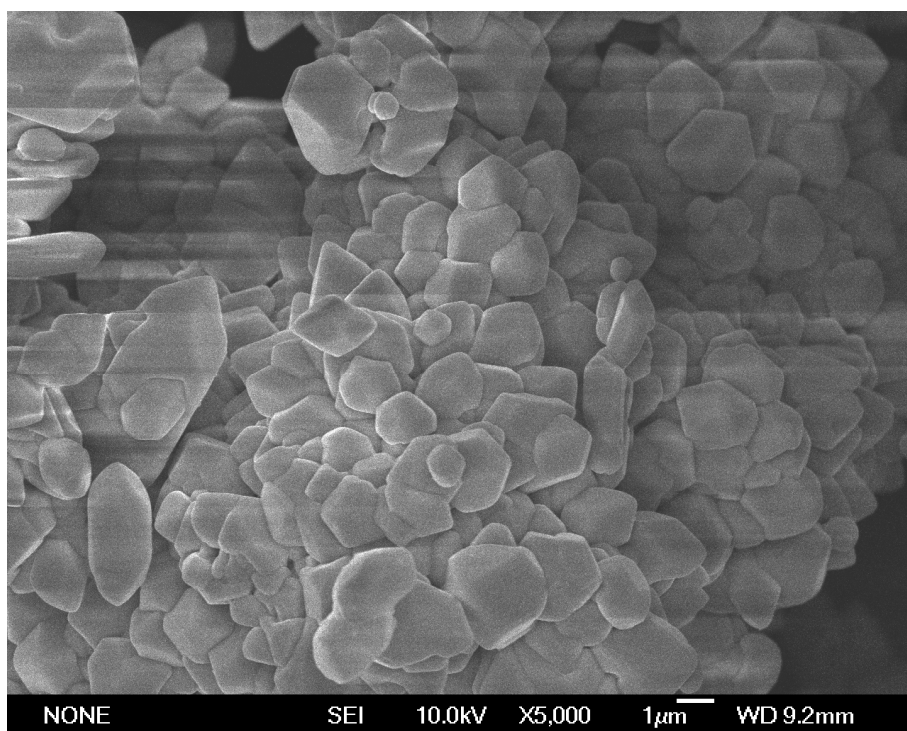


Fig. S2 SEM image of starting material TeO₂.

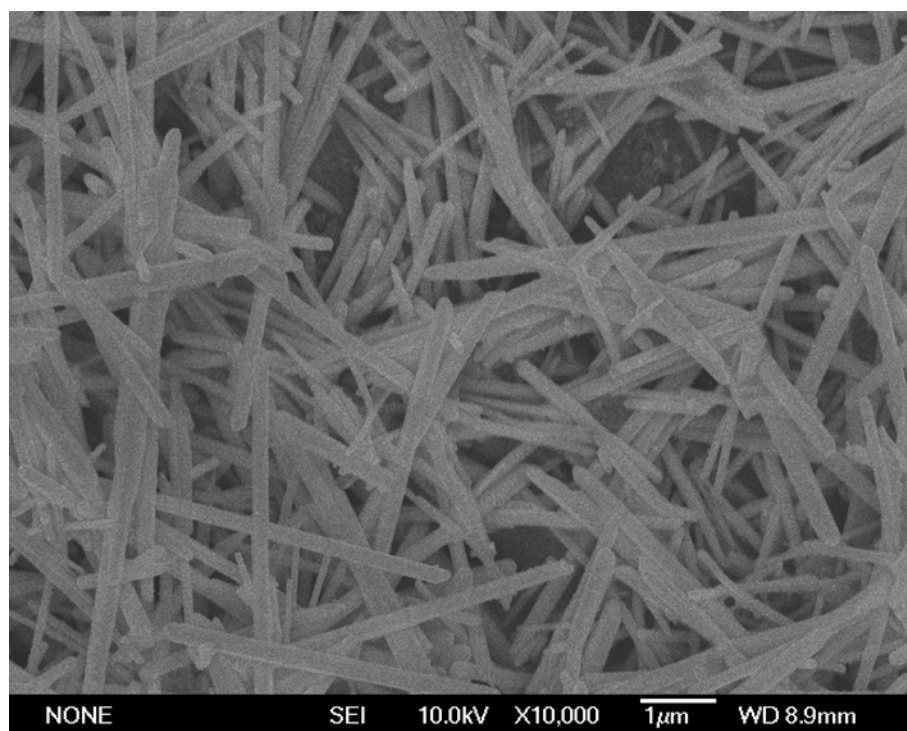


Fig. S3 SEM image of as-prepared sample in 25mL of TEA (88%) at 180 °C for 24 h.

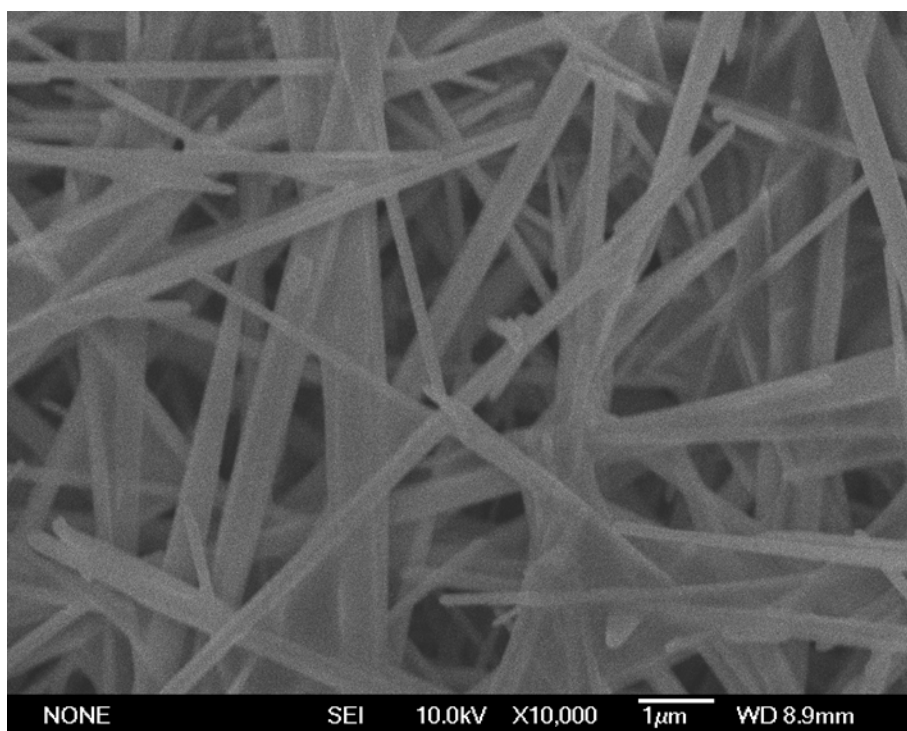


Fig. S4 SEM image of as-prepared sample in the mixed solvents of TEA and fluoboric acid (with a volume ratio of 1:4) at 180 °C for 24 h.

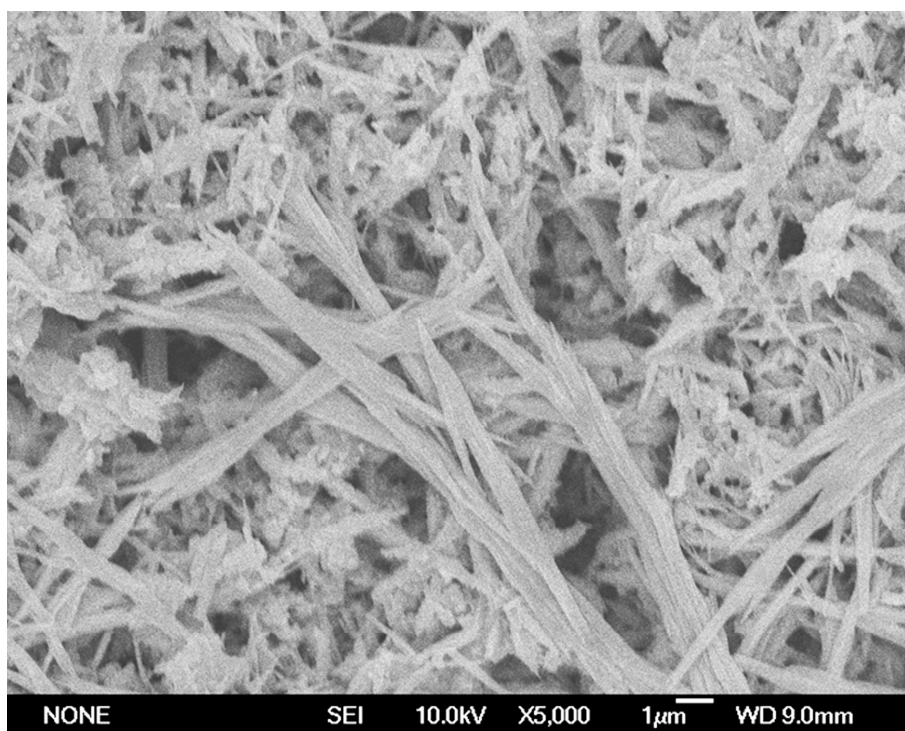


Fig. S5 SEM image of as-prepared sample in the mixed solvents of TEA and orthophosphoric acid (with a volume ratio of 2:3) at 180 °C for 24 h.