

Supporting Information :

Growth of InN Quantum Dots to Nanorods: A Competition between Nucleation and Growth Rates

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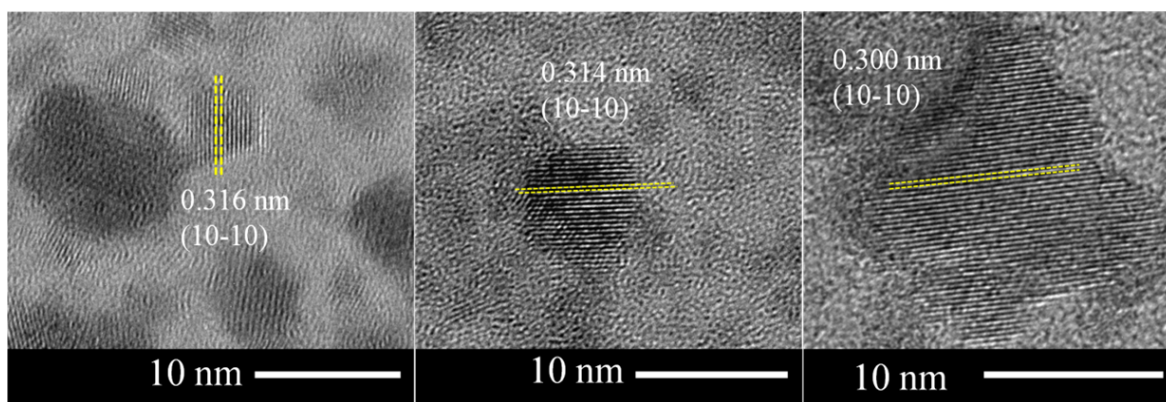


Fig. S1. HRTEM analysis of different quantum dots showing the presence of similar (10–10) planes.

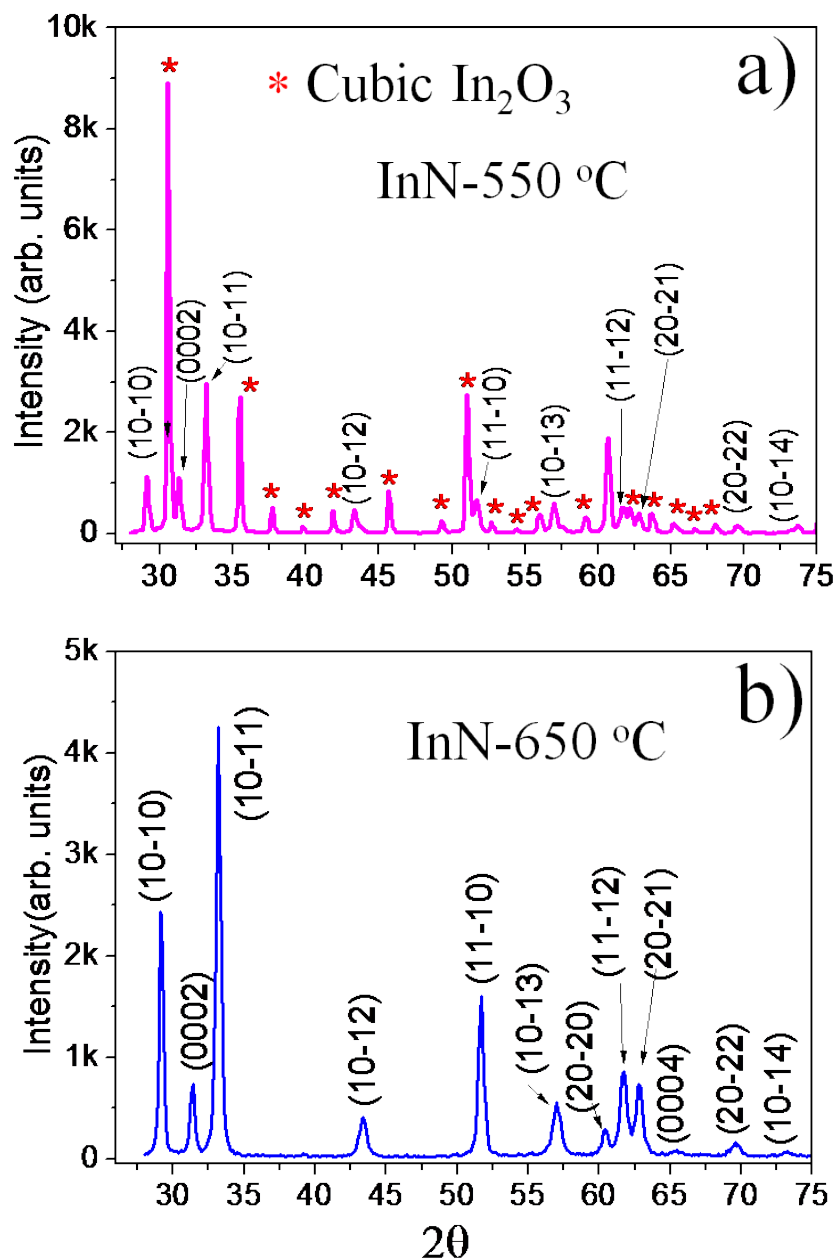


Fig. S2. XRD spectra with diffraction peaks corresponding to (10-10), (0002), (10-11), (10-12), (11-10), (10-13), (20-20), (11-12), (20-21), (0004), (20-22) and (10-14) crystalline planes corresponding to wurtzite InN phase (JCPDS # 50-1239) of typical a) nanoparticles grown at 550 °C along with the substantial presence of cubic In_2O_3 and b) NRs grown at 650 °C.

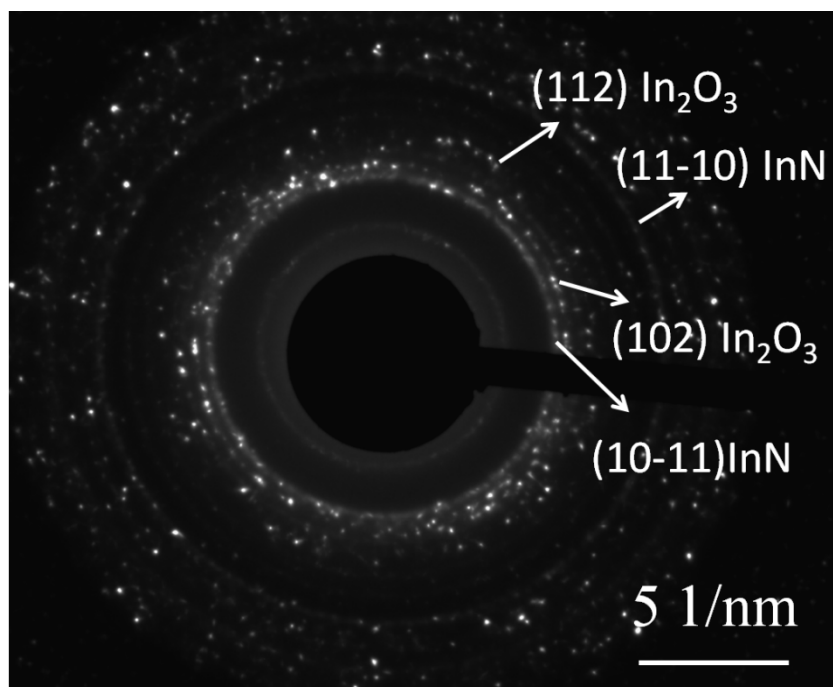


Fig. S3. SAED pattern of nanostructures grown at low temperature of 550 °C showing the crystalline planes corresponding to InN and In_2O_3 phases.