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Supporting Information

Controlled synthesis of Pt and Co₃O₄ dual-functionalized In₂O₃ nanoassemblies for room temperature detection of carbon monoxide

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Figure S1. XRD pattern of the prepared In₂O₃ nanocomposites.



Fig. S2 XRD patterns of pristine In_2O_3 nanostructures and Co_3O_4/In_2O_3 nanostructures with various mole fraction of Co/In.



Figure S3. SEM-EDX mapping of the prepared Co₃O₄-In₂O₃ nanocomposites. The measured atomic ratio of Co/In is 1.7 % (for the specimen of 3 mol%).



Figure. S4 The size distributions of (a),(b) the Pt nanoparticles, and (c),(d) the In₂O₃ nanobundles. The averaged particles size and column width is 2.2 nm and 10.6 nm respectively for Pt nanoparticles and In₂O₃ nanobundles.