SUPPLEMENTARY DATA

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Catalytic decomposition of undiluted methane into hydrogen and carbon nanofilaments over Pt promoted Ni/CeO$_2$ catalysts

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Fig. SD1- EDX spectra of the samples (a) CeO$_2$ support, (b) Ni/CeO$_2$ and (c) 0.2% Pt@Ni/CeO$_2$ catalysts
Fig. SD2- FESEM Elemental mapping analysis of the 0.2%Pt@Ni/CeO$_2$ catalyst