

Figure S1 TEM images of CS0.3/IO-HT75 and CS0.3/IO-HT100 nanocomposites

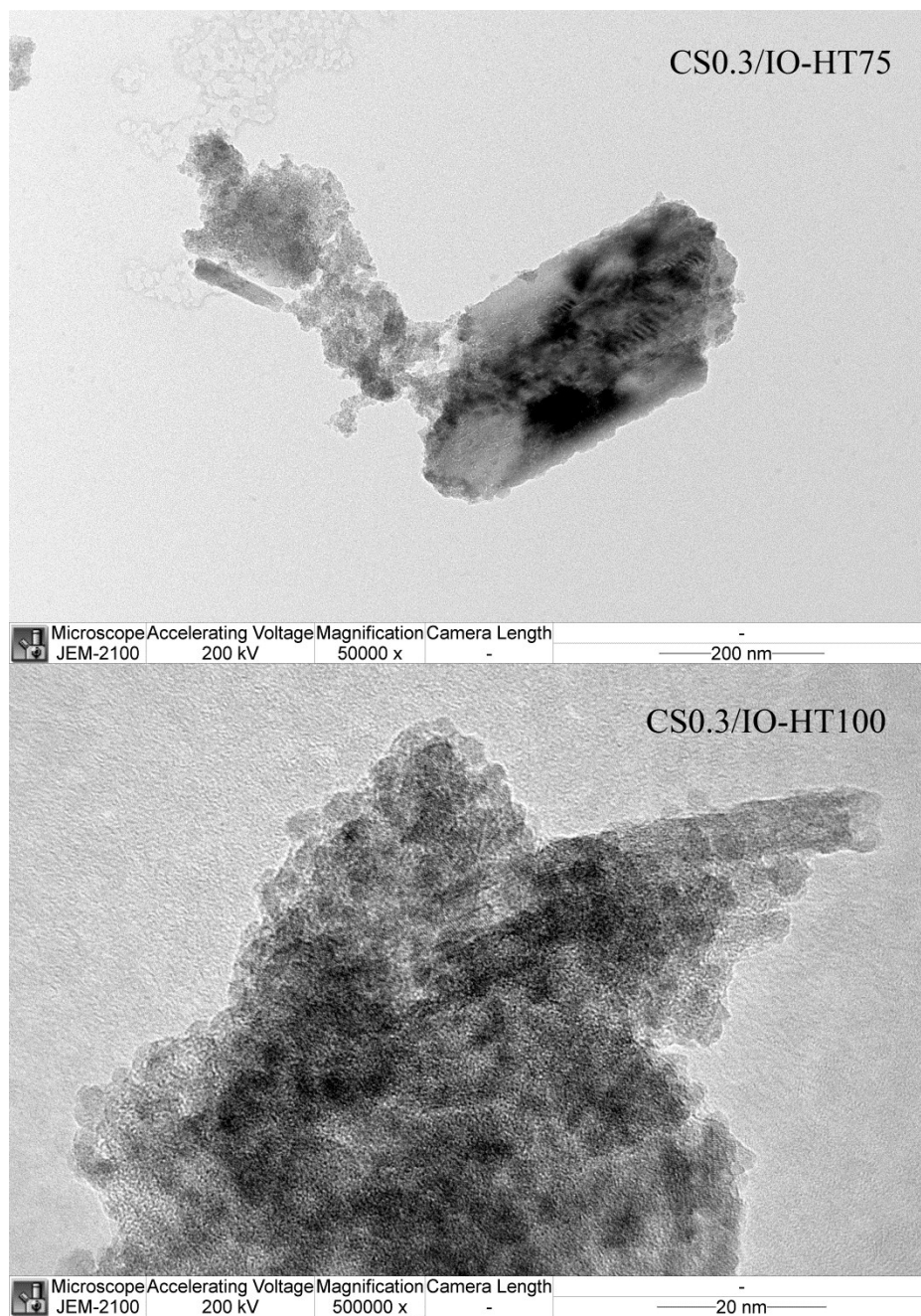


Figure S2 TGA thermograms of (a) CS0.3/IO-HT75, (b) CS0.3/IO-HT100, (c) CS0.3/IO-HT125 and (d) CS0.3/IO-R nanocomposites under N₂ and O₂ atmospheres

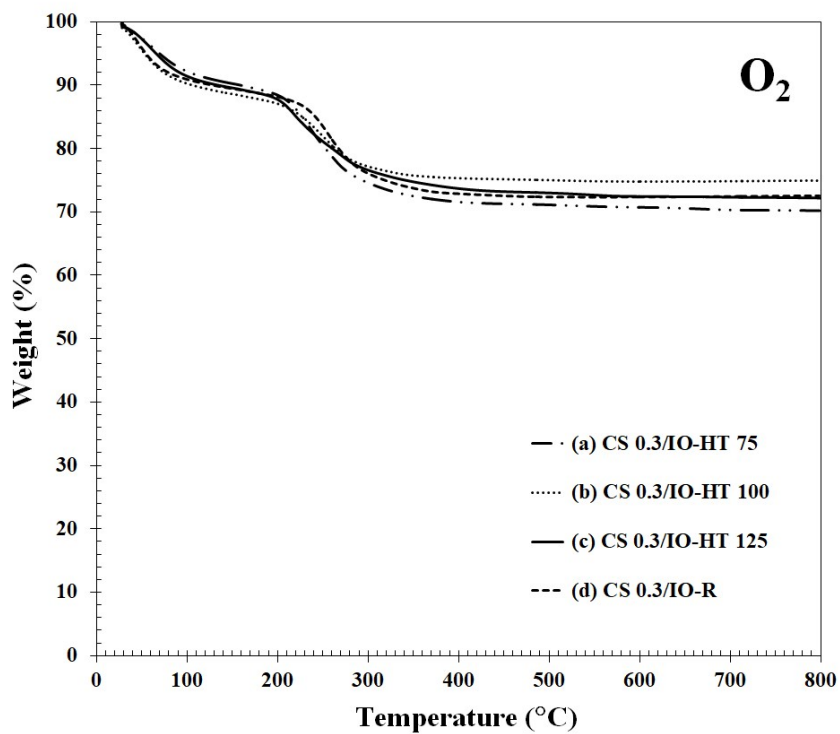
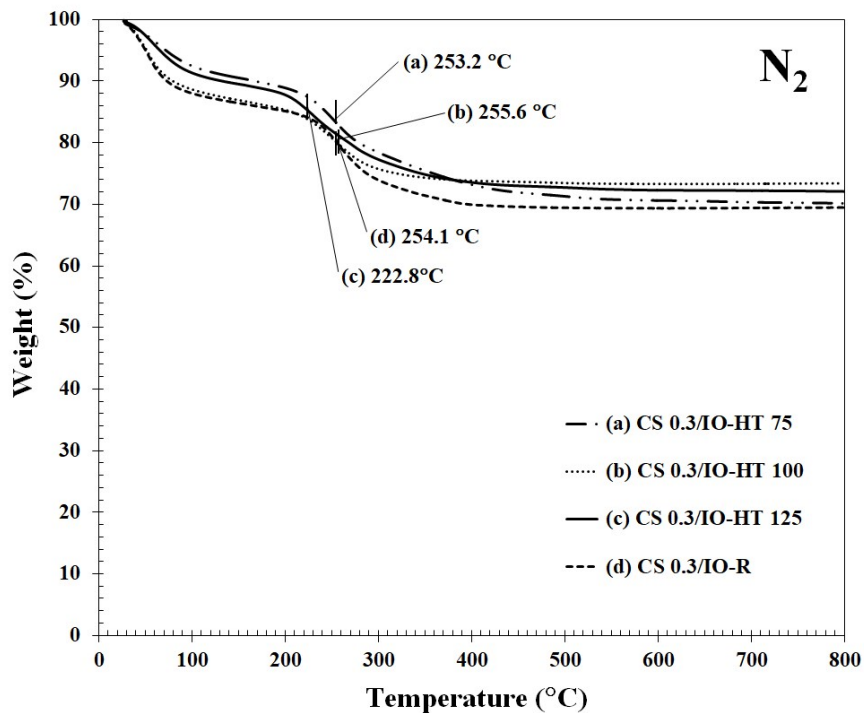


Figure S3 DSC thermogram of CC0.3-HT100 sample

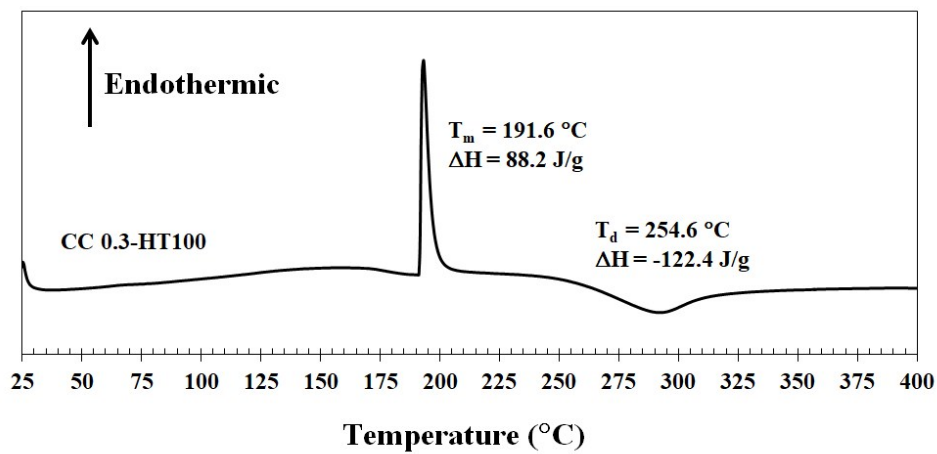


Figure S4 DSC thermograms of (a) CS0.3/IO-HT75, (b) CS0.3/IO-HT100, (c) CS0.3/IO-HT125 and (d) CS0.3/IO-R nanocomposites

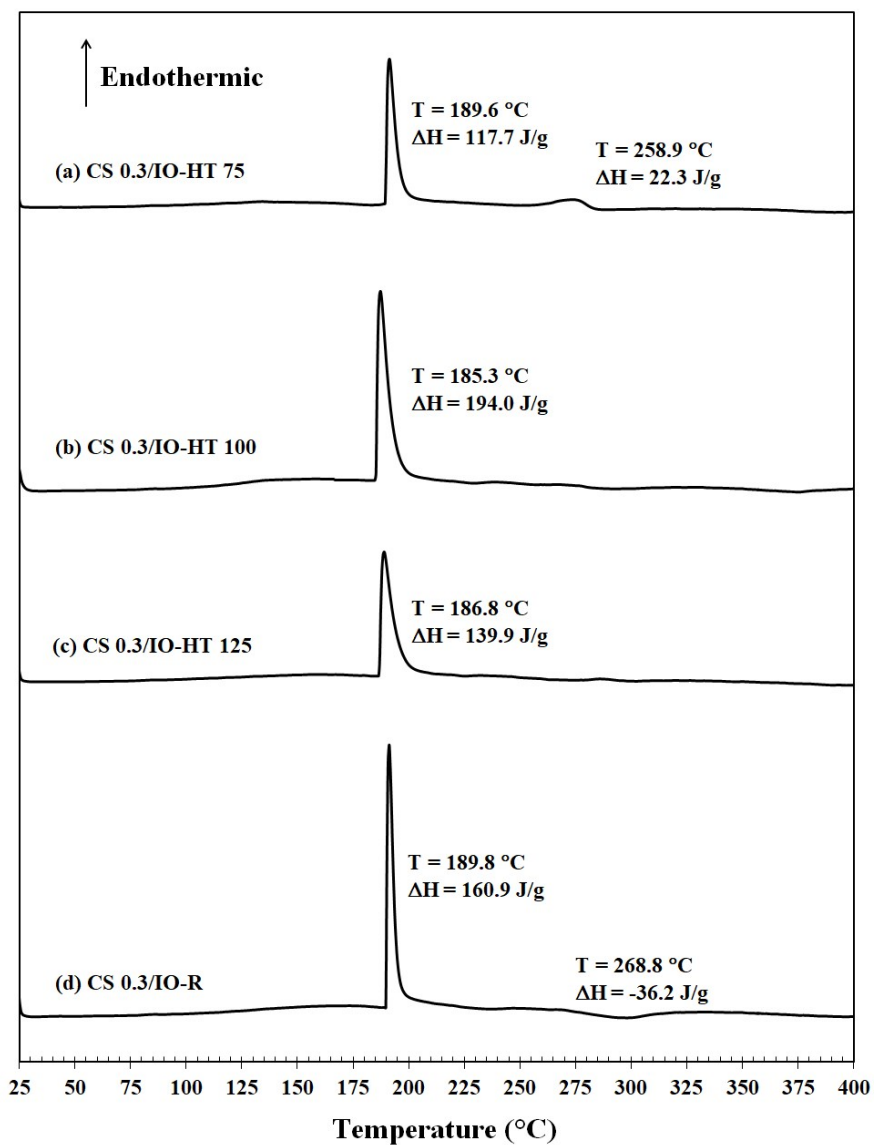


Figure S5 Electron diffraction of CS0.6/IO-HT100 nanocomposite

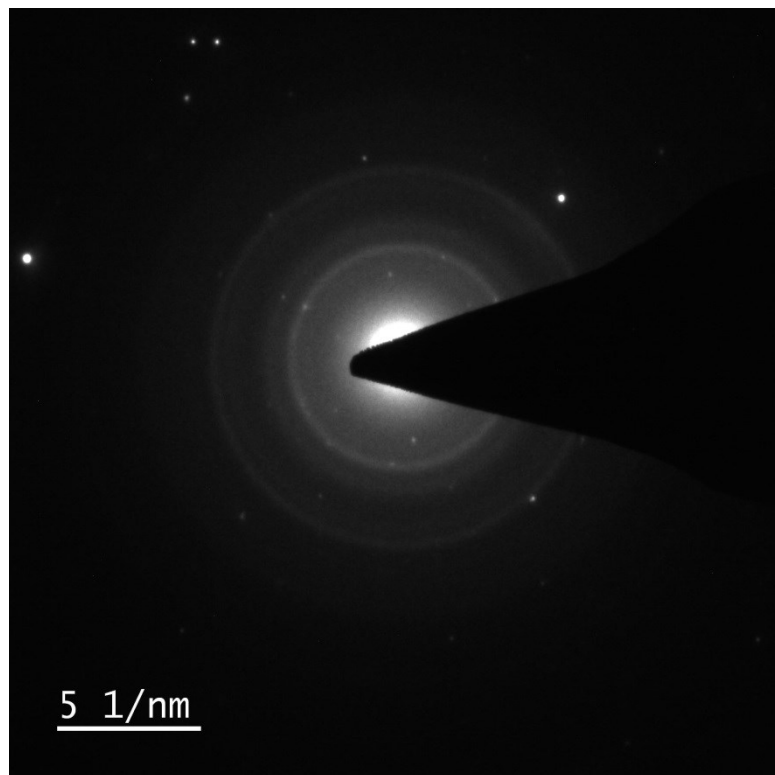


Figure S6 TGA thermograms of (a) CS0.2/IO-HT100, (b) CS0.3/IO-HT100, (c) CS0.4/IO-HT100, (d) CS0.5/IO-HT100 and (e) CS0.6/IO-HT100 nanocomposites under N₂ and O₂ atmospheres

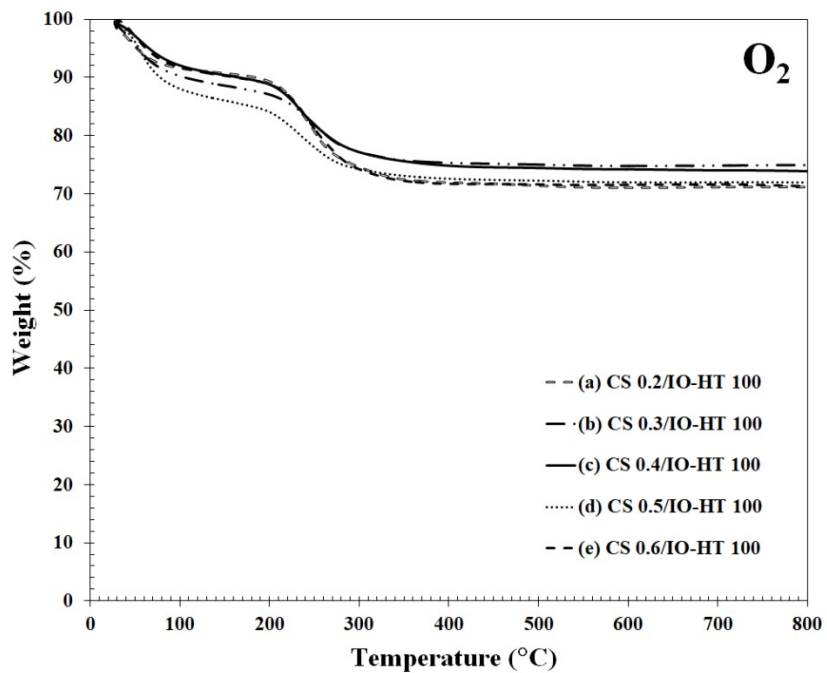
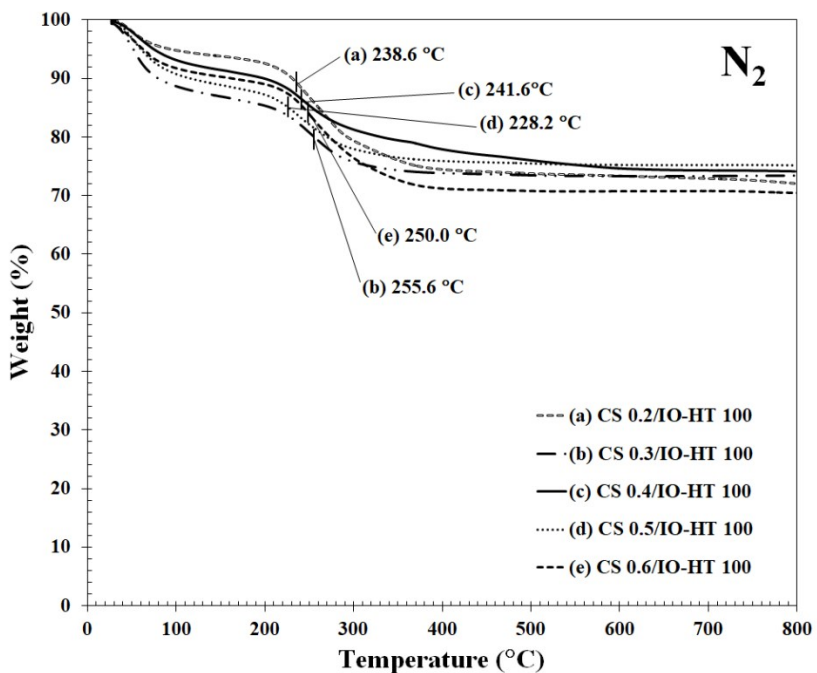


Figure S7 DSC thermograms of (a) CS0.2/IO-HT100, (b) CS0.3/IO-HT100, (c) CS0.4/IO-HT100, (d) CS0.5/IO-HT100 and (e) CS0.6/IO-HT100 nanocomposites

