Supplementary information

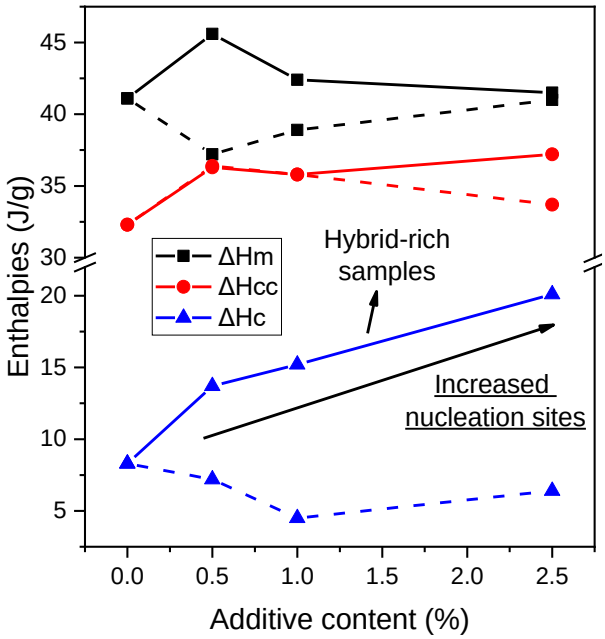
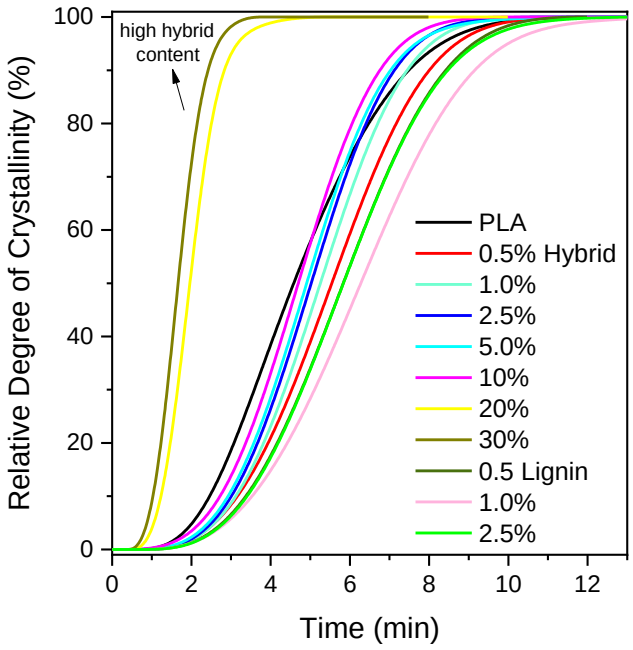
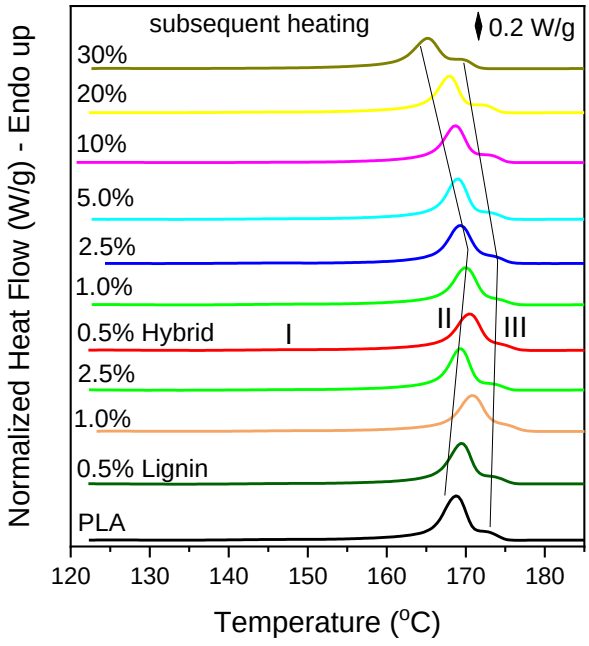


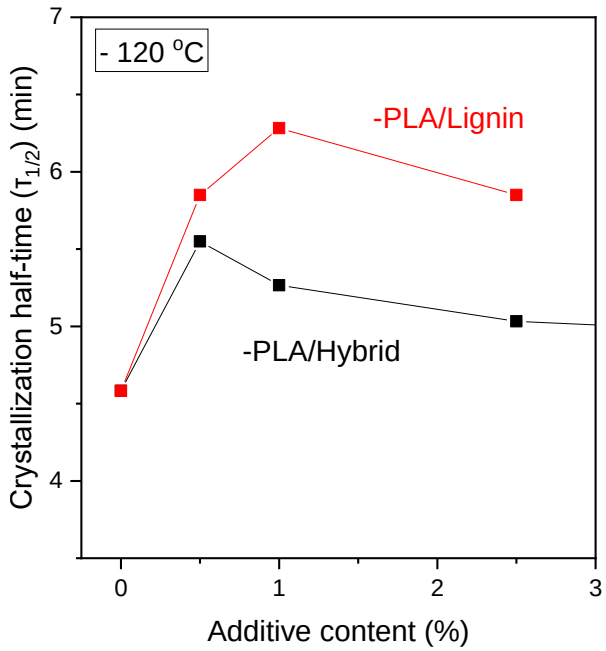
Figure S1. Thermal transitions of PLA and PLA nanocomposites, differences between the low content of PLA nanocomposites and composites, the case of ΔH_m, ΔH_{cc} and ΔH_c.



(**a**)



(**b**)



(c)

Figure S2. Isothermal crystallization of the samples at 120 °C. (**a**) Relative degree of crystallinity as a function of time, (**b**) subsequent heating traces, and (**c**) crystallization half-time as a function of hybrid and lignin content.