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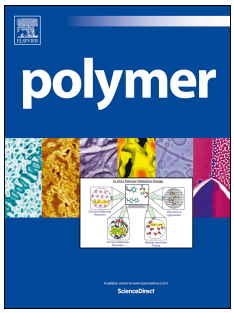

Temperature-dependent polymorphic crystallization of poly(L-lactide)s on the basis of optical purity and microstructure

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Temperature-dependent polymorphic crystallization of poly(L-lactide)s on the basis of optical purity and microstructure

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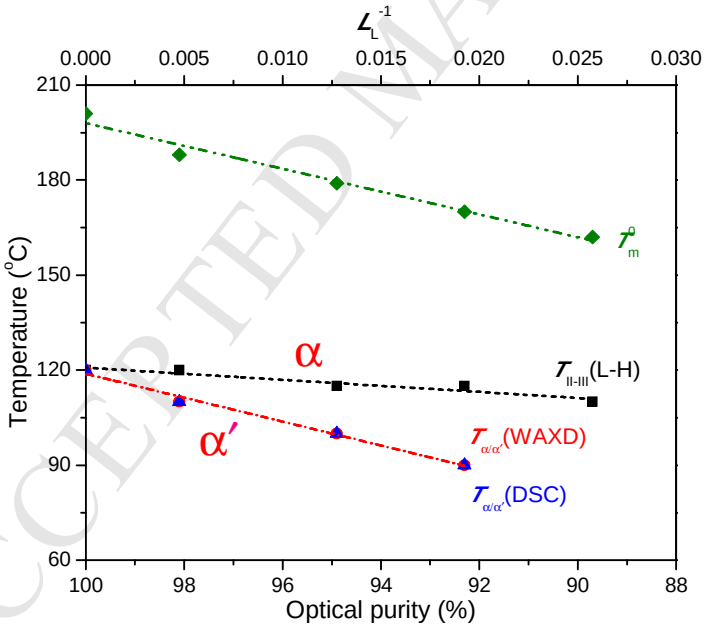
Graphical Abstract



The critical temperatures ($T_{\alpha/\alpha'}$) for the formation of α and α′ crystal modifications of PLLAs with different optical purities were obtained by WAXD and DSC, respectively. It was found that the $T_{\alpha/\alpha'}$ declined by about 10 °C for every 2~3% decrease in optical purity.