NT-P026

Liquid Bridge - Mediated Nanotransfer Molding : A New Direct Printing Method

당정미, 조보람, 오현석, 성명모

한양대학교 화학과

We report a new direct printing method, called liquid-mediated nanotransfer molding (LB-nTM), that uses a polar liquid-mediated transfer process. LB-nTM is based on the direct transfer of various materials from a stamp to a substrate via a liquid- bridge between the stamp and the substrate. This procedure can be adopted in automated printing machines that generate various material patterns with a wide range of feature sizes (as small as 60 nm) on diverse substrates. The patterns have been investigated by scanning electron microscopy(SEM).