

에어로졸 기술을 이용한 3차원 나노프린팅

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Three dimensional printing technology has been greatly improved recently for producing three dimensional structures, however, currently available methods have certain limitations such as the lack of nanoscale resolution or limited choice of materials or time consuming processes. Although 3D nanoscale fabrications are possible through costly serial approaches, we need more practical methodology that can be done in a parallel fashion at atmospheric condition. In this presentation, I will introduce an aerosol technique using charged aerosols for three dimensional nanoprinting of nanoparticles. I will also show various applications of resultant 3D nanostructures.