

## 셀룰로즈와 은/은나노입자 기반의 광흡수체를 이용한 태양광 수증기 발생

구본준\*, 김현중\*, 김동현, 아누쉬 브노얀, 이규복<sup>†</sup>  
충남대학교 에너지과학기술대학원

### Solar-driven Steam Generation via Cellulose Fiber and Au/Ag Nanoparticle-based Light Absorber

Bon-Jun Ku\*, Hyunjoung Kim\*, Dong Hyun Kim, Anush Mnoyan, Kyubock Lee<sup>†</sup>  
Graduate School of Energy Science and Technology, Chungnam National University,  
99 Daehak-ro, Yuseong-gu, Daejeon, 34134, Republic of Korea

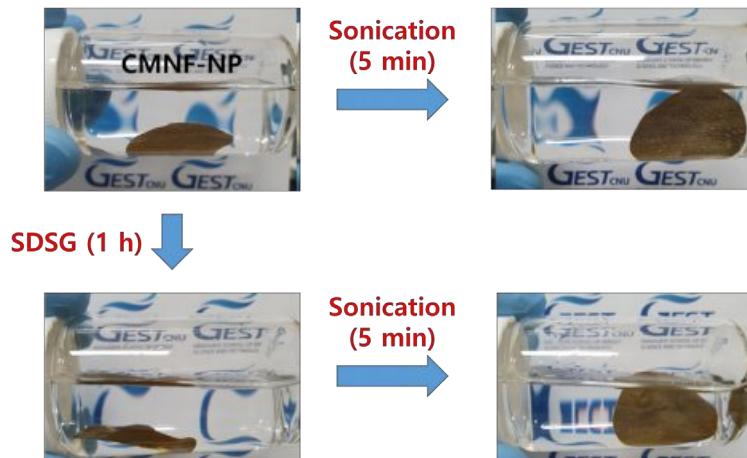


Figure S1. Stability test of NP attachment on CMNF substrate.

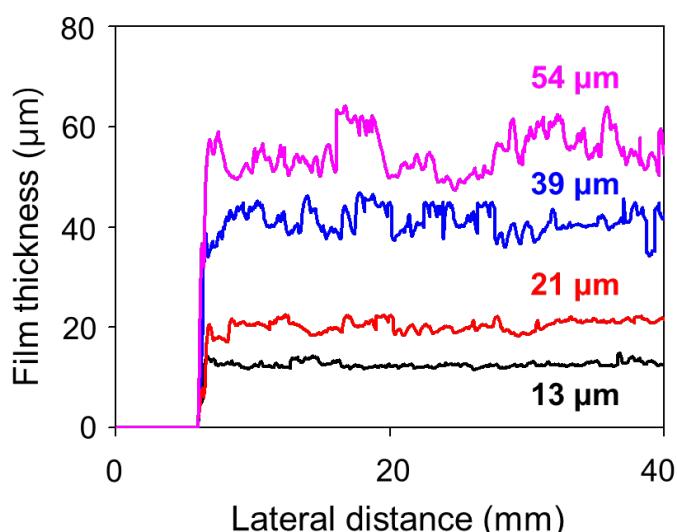


Figure S2. The surface profile of CMNF-NP with various thicknesses

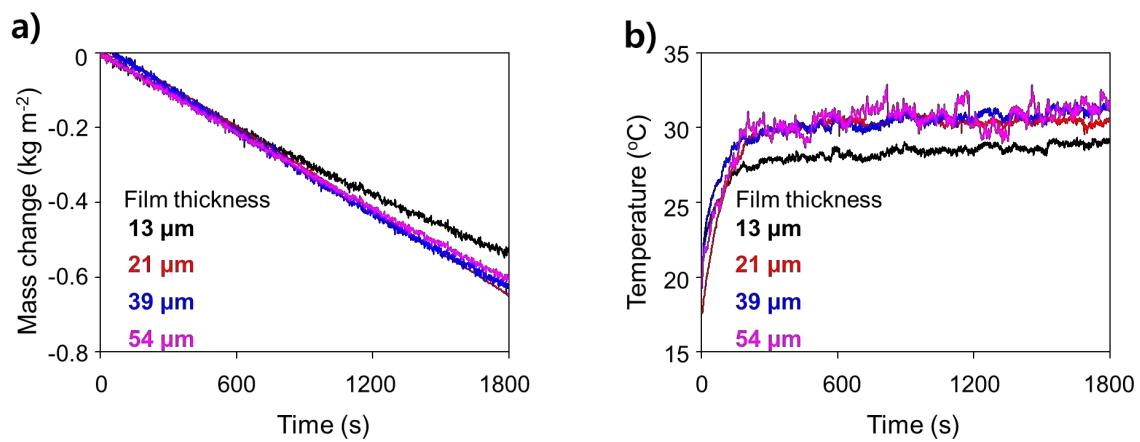


Figure S3. a) Mass change and b) surface temperature of CMNF-NPs with the various thicknesses