

Figure S1. (A) matte surface and photosurface of Al foil; (B) substrate without wrinkles for 0.02mm aluminum foil on the glass; (C) substrate with wrinkles for 0.015mm aluminum foil on the glass

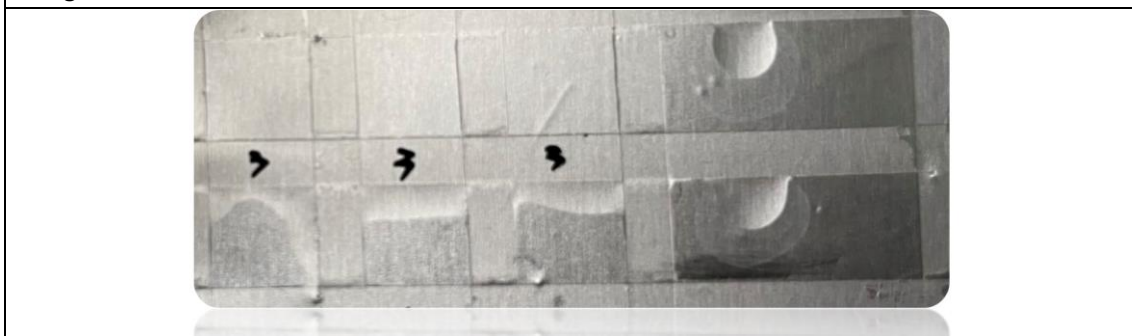


Figure S2. Evaporation process of solution with and without square hole

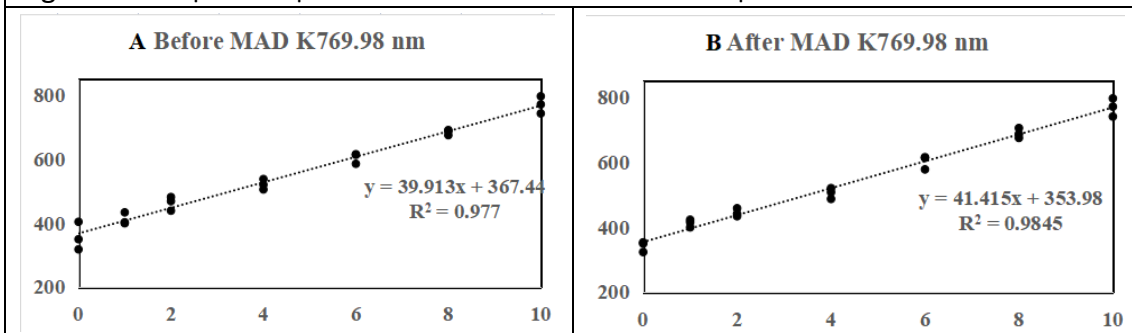


Figure S3. Calibration curve of K 769.98 nm by three parallel experiments (A) before MAD and (B) after MAD.