

Figure 1: Conductivity as a function of the deposition temperature of the APCVD process for films without H-post-treatment (red) and films with H-post-treatment (black). The lines are guides to the eye.

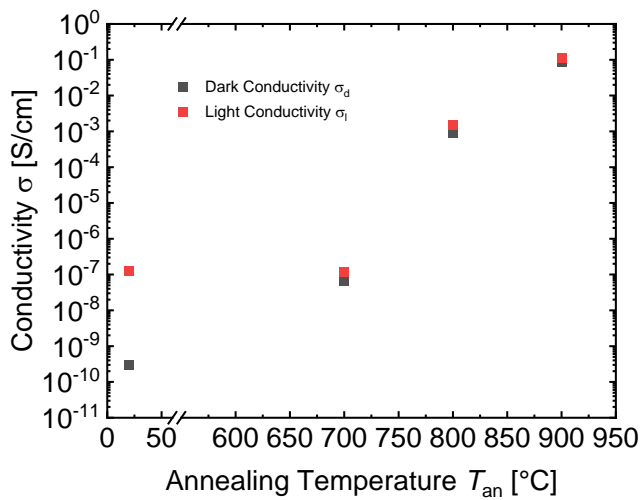


Figure 2: Light (red) and dark (black) conductivity silicon thin films vs the temperature  $T_d$  of the rapid thermal annealing process. The data points at  $T_d = 20$  °C corresponds to the as deposited hydrogenated amorphous silicon films without rapid thermal annealing process.