

Figure 1. Film thickness on Au as a function of number of cycles.

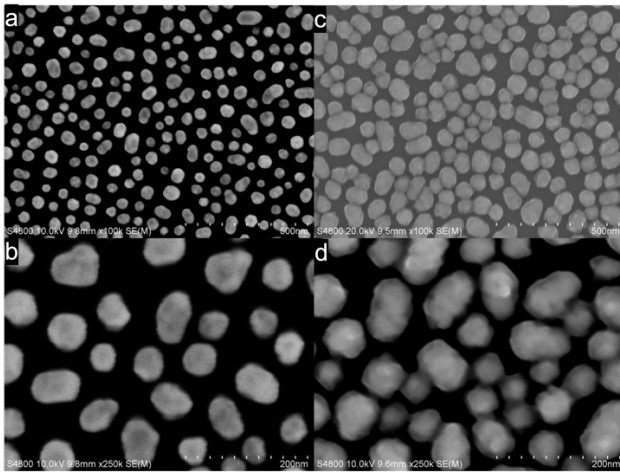


Figure 2. Au islands on native silicon oxide (a, b), and elemental tellurium selectively deposited on Au islands on native silicon oxide (c, d).

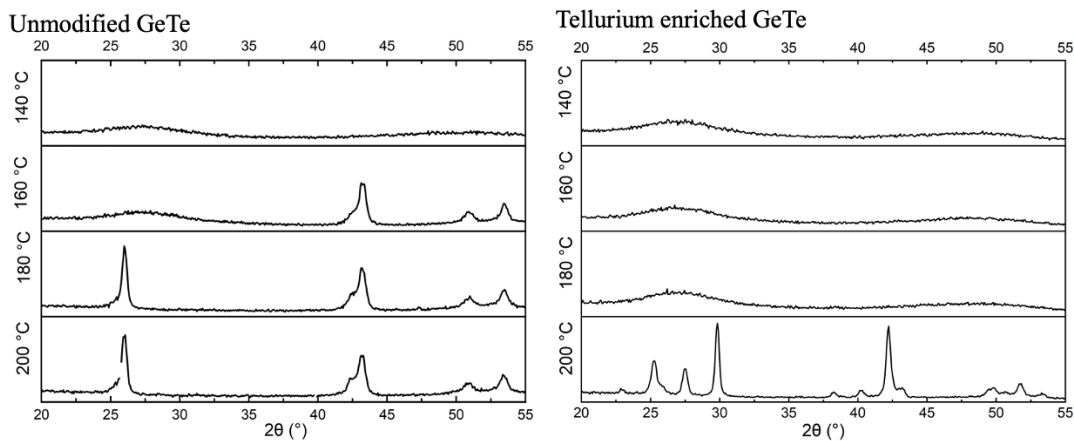


Figure 3. HTXRD diffractograms of stoichiometric GeTe and tellurium enriched Ge<sub>x</sub>Te<sub>y</sub> films showing an increase in the crystallization onset temperature of the modified film.