

Supplemental figures

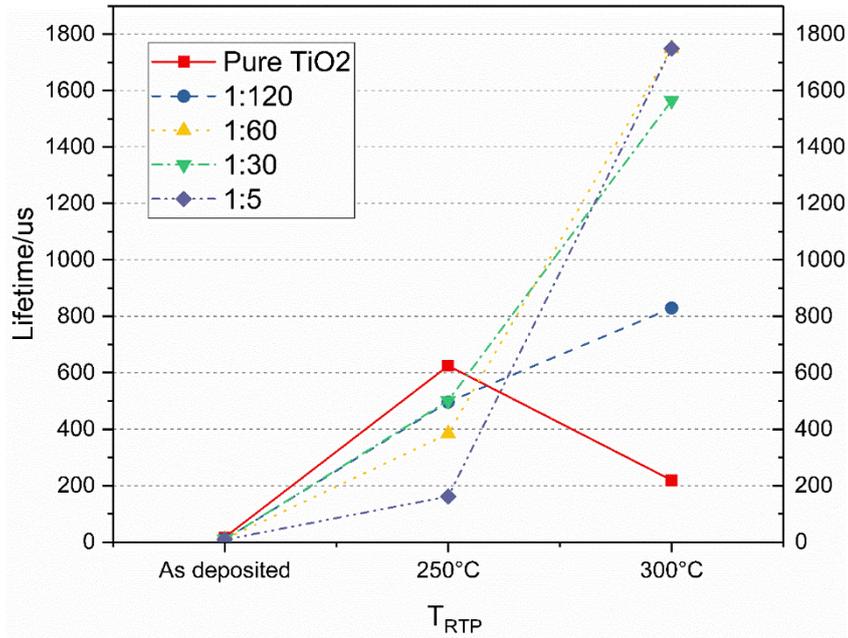


Figure 1 Effective lifetime as a function of post-deposition annealing temperature for of different doping ratio Al-TiO₂ films on *n*-type c-Si.

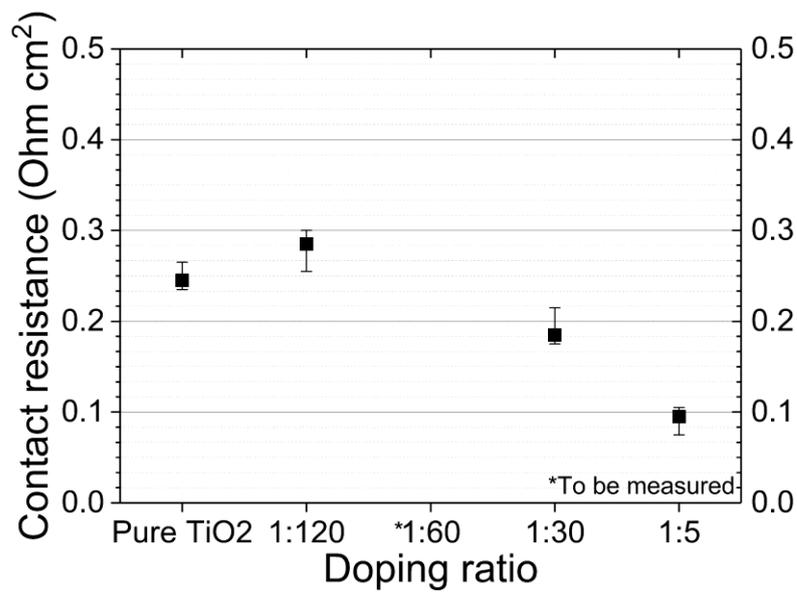


Figure 2 Contact resistance measured by TLM of different doping ratio Al-TiO₂ films on *n*-type c-Si.