

## Supplementary Information

### Safer Salts for CdTe Nanocrystal Solution Processed Solar Cells: *The Dual Roles of Ligand Exchange and Grain Growth*

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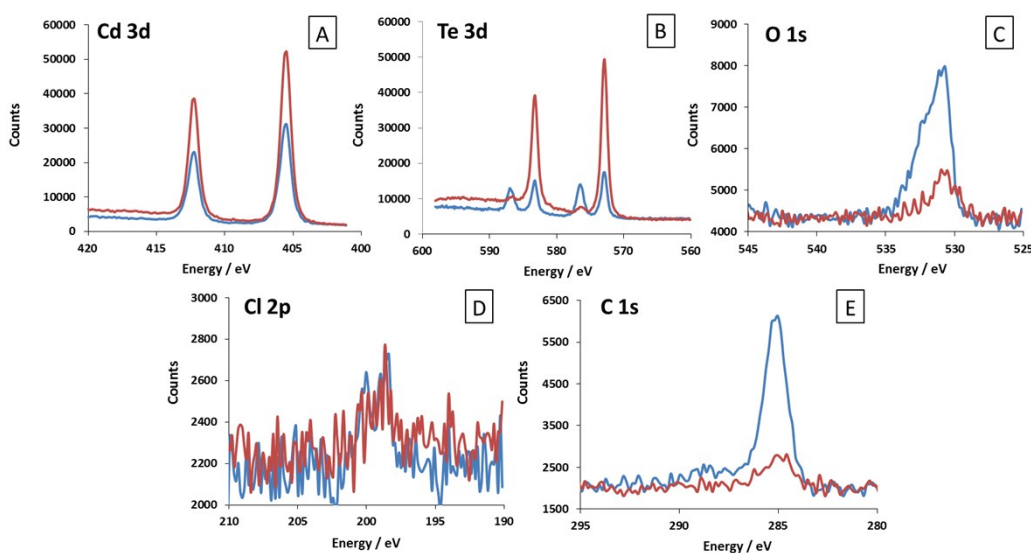


Figure S1. Fig. 5 X-ray photoelectron spectra (XPS) of solution processed CdTe nanocrystal working device film treated with CdCl<sub>2</sub> in methanol and annealed at 380°C for 25s per layer for 7 layers @ 60 nm each detecting the surface (blue) and sub-surface (red) presence of cadmium [A], tellurium [B], oxygen [C], chlorine [D] and carbon [E].

Table S1. Relative atomic compositions of surface and sub-surface annealed CdTe nanocrystal films from Figure S1 XPS data.

Element	Surface	Bulk
Cd	12.99	32.76
Te	8.27	29.67
O	28.42	16.9
C	50.31	20.66