Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Electronic Supplementary Information

Facile Chemical Solution Synthesis in an Open Condition for p-Type Delafossite Ag-based Transparent Conducting $AgCrO_2$ Films

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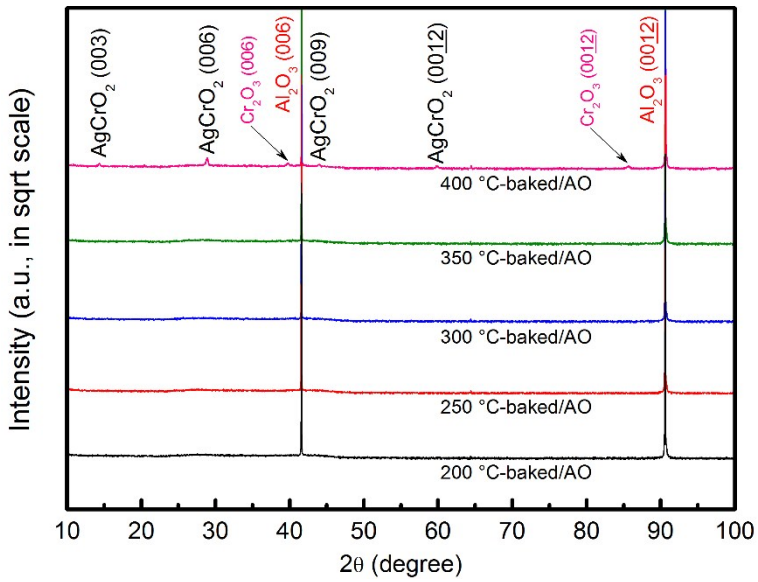

Figure S1. XRD patterns for all baked thin films on single crystal Al_2O_3 substrates.

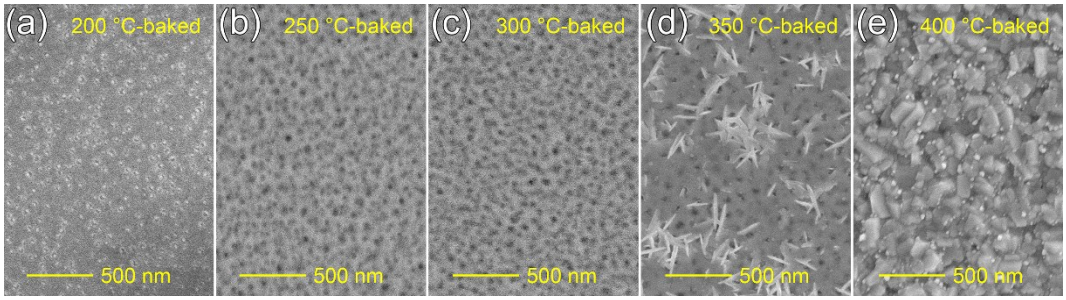

Figure S2. FE-SEM images for solution-derived thin films baked at different temperatures.

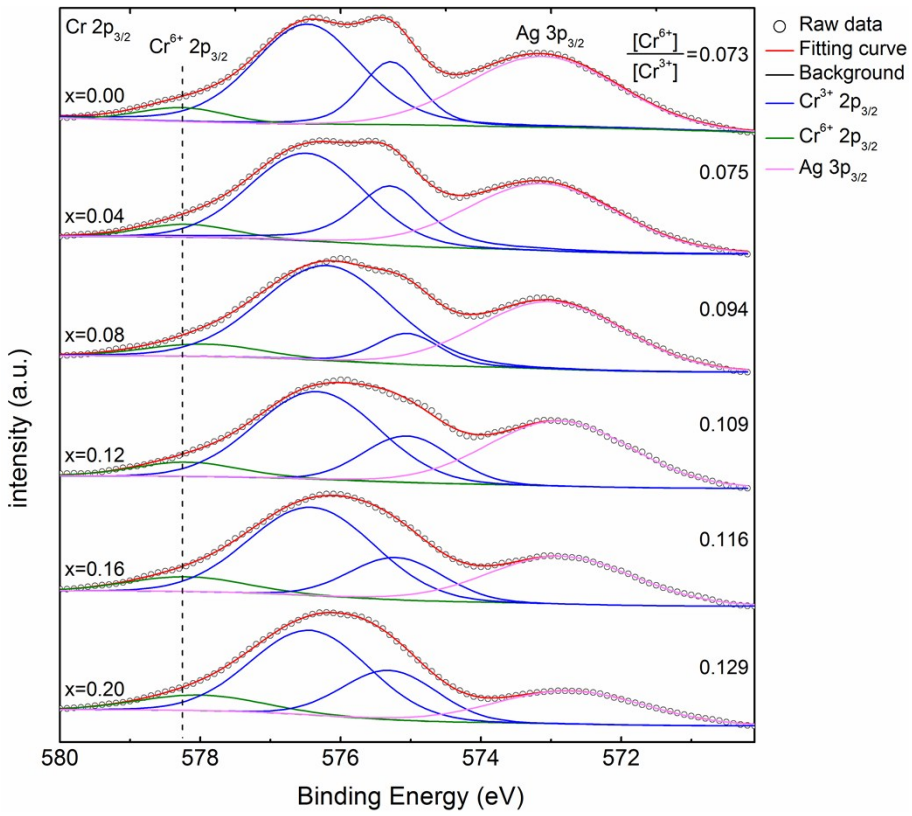

Figure S3. Peak deconvolution results about XPS of Cr $2p_{3/2}$ of all Mg-doped $AgCrO_2$ thin films.