

Supporting Information for

CuTaS₃: Intermetal *d-d* transitions enable high solar absorption

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Table S1. Refined atomic coordinates for CuTaS₃.

Atoms	<i>x</i>	<i>y</i>	<i>z</i>
Cu	0.228064	0.75	0.21284
Ta	0.107494	0.25	0.36986
S1	0.076645	0.25	0.56685
S2	0.080781	0.25	0.5967
S3	0.27933	0.75	0.4028

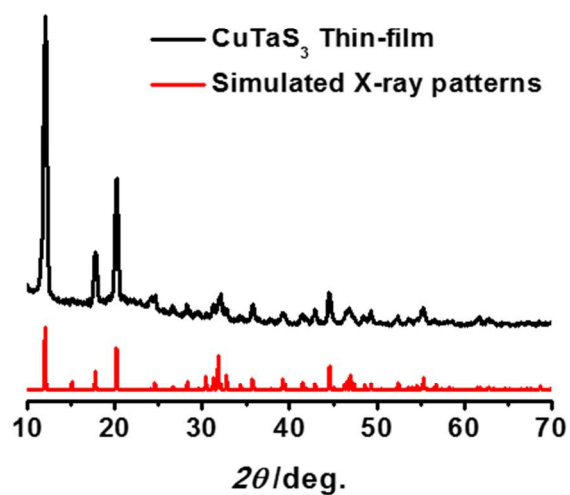


Figure S1. X-ray diffraction pattern of CuTaS₃ thin-film. X-ray diffraction pattern simulated with single-crystal data of CuTaS₃.