Electronic Supplementary Information File.

A comparative study of the electronic structures of SrCu$_2$O$_2$ and PbCu$_2$O$_2$ by density functional theory, high resolution X-ray photoemission and electron paramagnetic resonance spectroscopy.


[Graph showing experimental and reference powder XRD pattern for PbCu$_2$O$_2$.]
Experimental and reference powder XRD pattern for SrCu$_2$O$_2$. 
Electronic conductivity data for PbCu$_2$O$_2$ and SrCu$_2$O$_2$. The photograph show samples mounted for the 4 probe measurements.
Full electronic bandstructure for SrCu$_2$O$_2$

Full electronic bandstructure for PbCu$_2$O$_2$