

SUPPORTING INFORMATION

Thermal layer-by-layer preparation of oriented films of a Cu(I) ionic inorganic-organic hybrid material showing semiconducting and SHG properties

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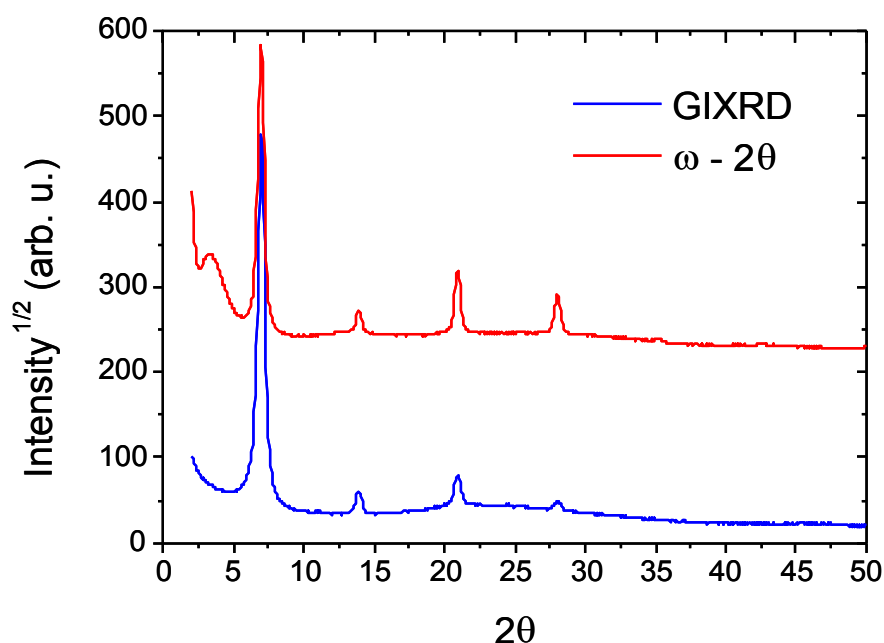


Figure S1. GIXRD diffraction pattern of CuI/[DAMS]I (5 cycles on glass substrate).

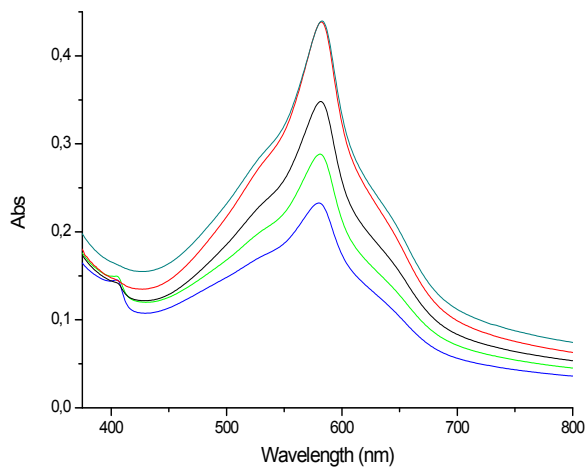
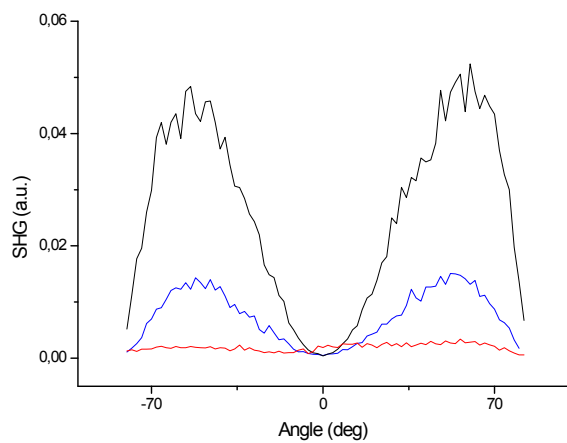
A**B**

Figure S2. Crystalline film of **1** obtained by deposition of one CuI layer on a glass substrate followed by various [DAMS]I deposition/annealing cycles: A) electronic absorption spectra after: 1 cycle (blue), 2 cycles (green), 3 cycles (black), 4 cycles (red) and 5 cycles (cyan). B) pp Maker fringes after: 1 cycle (blue), 4 cycles (black) and 5 cycles (red).

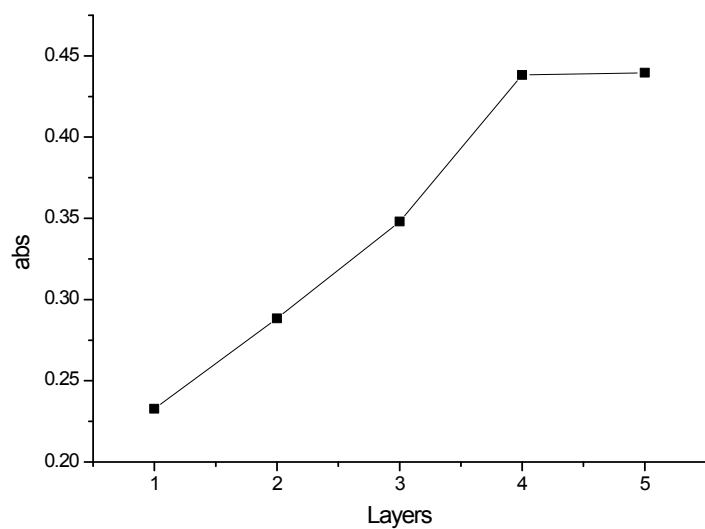


Figure S3. Maximum absorption intensity at 580 nm vs. number of cycles on glass substrate.