

Supporting Information

for

“Non-centrosymmetric Behavior of a Clay Film Ion-exchanged with Chiral Metal Complexes”

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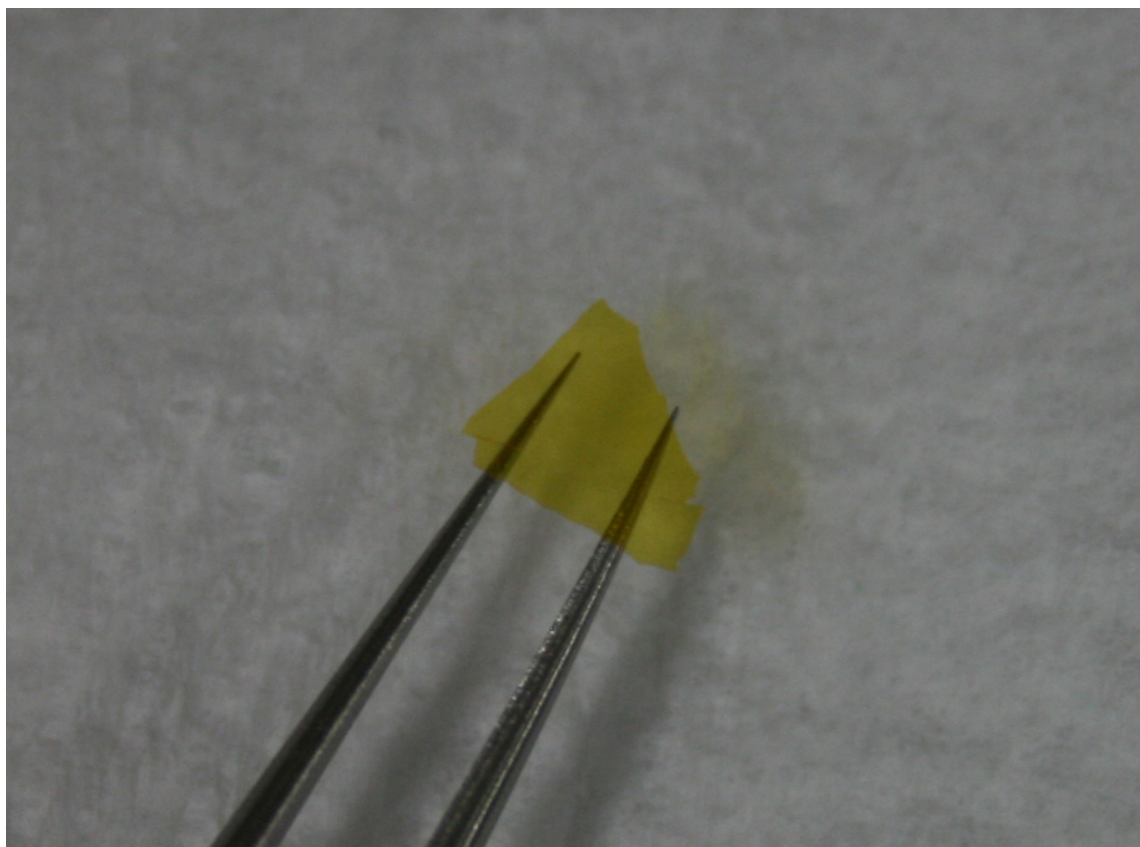


Figure S1. Photograph of a self-standing hybrid film consisting of Smecton SA and $\text{Ru}(\text{phen})_3^{2+}$.

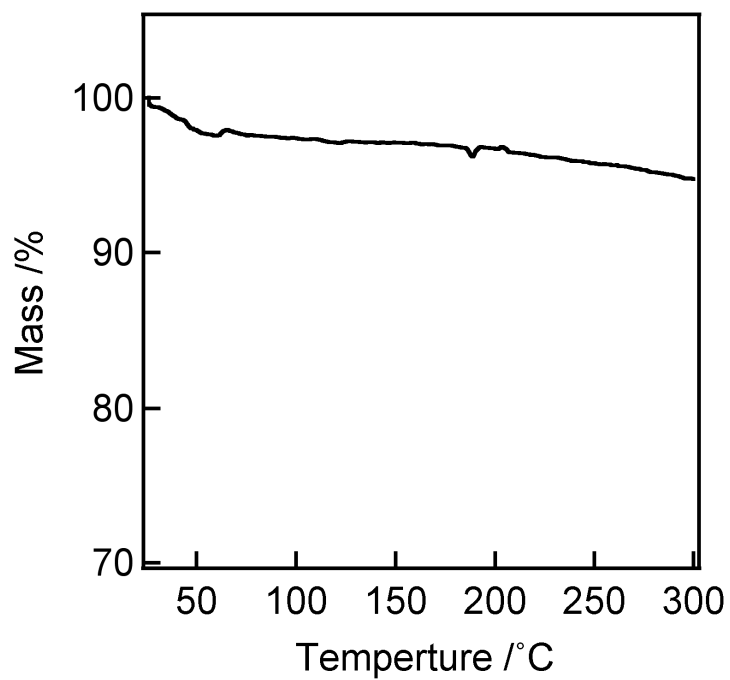


Figure S2. Thermogravimetric (TG) curve of the present film.

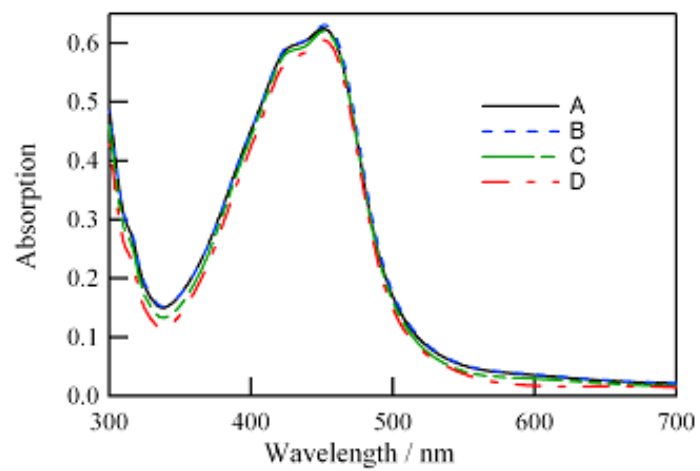


Figure S3. Absorption spectra of films taken immediately after film fabrication(A), after kept under 20(B), 60(C) and 95(D)% humidity atmospheres for 72 hours.

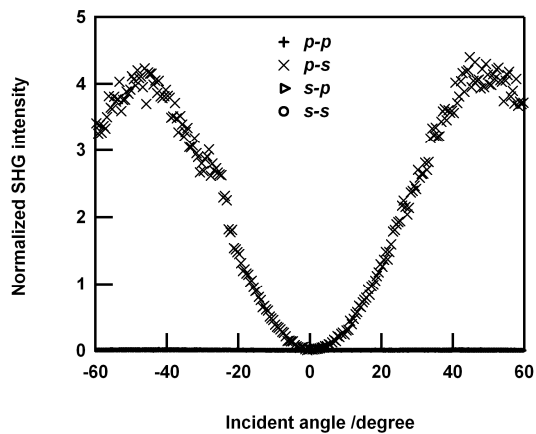


Figure S4. Dependences of the SHG intensity on the incident angle of the laser beam for a film thickness of 0.7 μm recorded in various optical geometries. In this film, sodium montmorillonite (Kunipia-P, Kunimine Ind. Co. (Japan)) was used as the clay. The vertical axis is normalized by the SHG intensity of the Maker-Fringe pattern of d_{11} of quartz (wedged sample) recorded at the same experimental conditions.