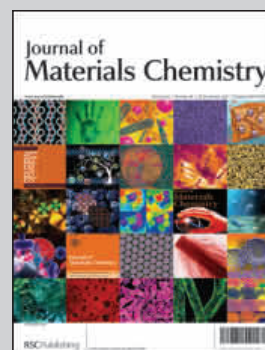


Showcasing research from the Akagi lab at Kyoto University.

Title: Chirality transfer from atropisomeric chiral inducers to nematic and smectic liquid crystals – synthesis and characterization of *di*- and *tetra*-substituted axially chiral binaphthyl derivatives

Fingerprint (lower) and striated fan-shape (upper) textures of chiral nematic (N^*) and chiral smectic C (S_C^*) liquid crystals (LCs) are induced by addition of atropisomeric chiral dopant [binaphthyl derivative] (center of circle) to host nematic LC [5CB] with Schlieren texture (lower, background) and smectic C LC [PhB1 or PhB2] with fan-shaped texture (upper background).

As featured in:



Kazuo Agaki *et al.*,
J. Mater. Chem., 2012, **22**, 25011–25018.