



ADVANCED FUNCTIONAL MATERIALS

PHOTORESPONSIVE SUPRAMOLECULAR POLYMERS

On page 2572 Arri Priimagi, Pierangelo Metrangolo, Giuseppe Resnati, and co-workers report the first light-responsive halogen-bonded polymer systems and highlight the remarkable potential of halogen bonding in fundamental studies of photoresponsive azobenzene-containing polymers. Because of its directionality and tuneable interaction strength, halogen bonding is a viable tool to design high-performance supramolecular polymers for holographic inscription of surface relief gratings (SRG).