

ADVANCED FUNCTIONAL MATERIALS

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PHOTOLITHOGRAPHY

A novel ionic liquid–polymer composite material is reported by J. G. Korvink and co-workers on page 1683, alongside an approach for its patterning by two-photon nanolithography. The unique properties of the material are combined with a single-step process for its 3D structuring, having nanometer resolution and high aspect ratio. A proof-of-concept multifunctional sensor for temperature and relative humidity sensing is demonstrated.