



# ADVANCED FUNCTIONAL MATERIALS

## LIGHT EXTRACTION

On page 3454, Franky So and co-workers report the preparation of defective hexagonal-close-packed arrays to extract the waveguide modes trapped in an organic light-emitting diode. The broadening of the periodicity and the lack of long-range ordering in the defective array pattern allow effective extraction of the waveguide modes over all emission wavelengths and angles, resulting in non-directional light emission with insignificant spectral changes.