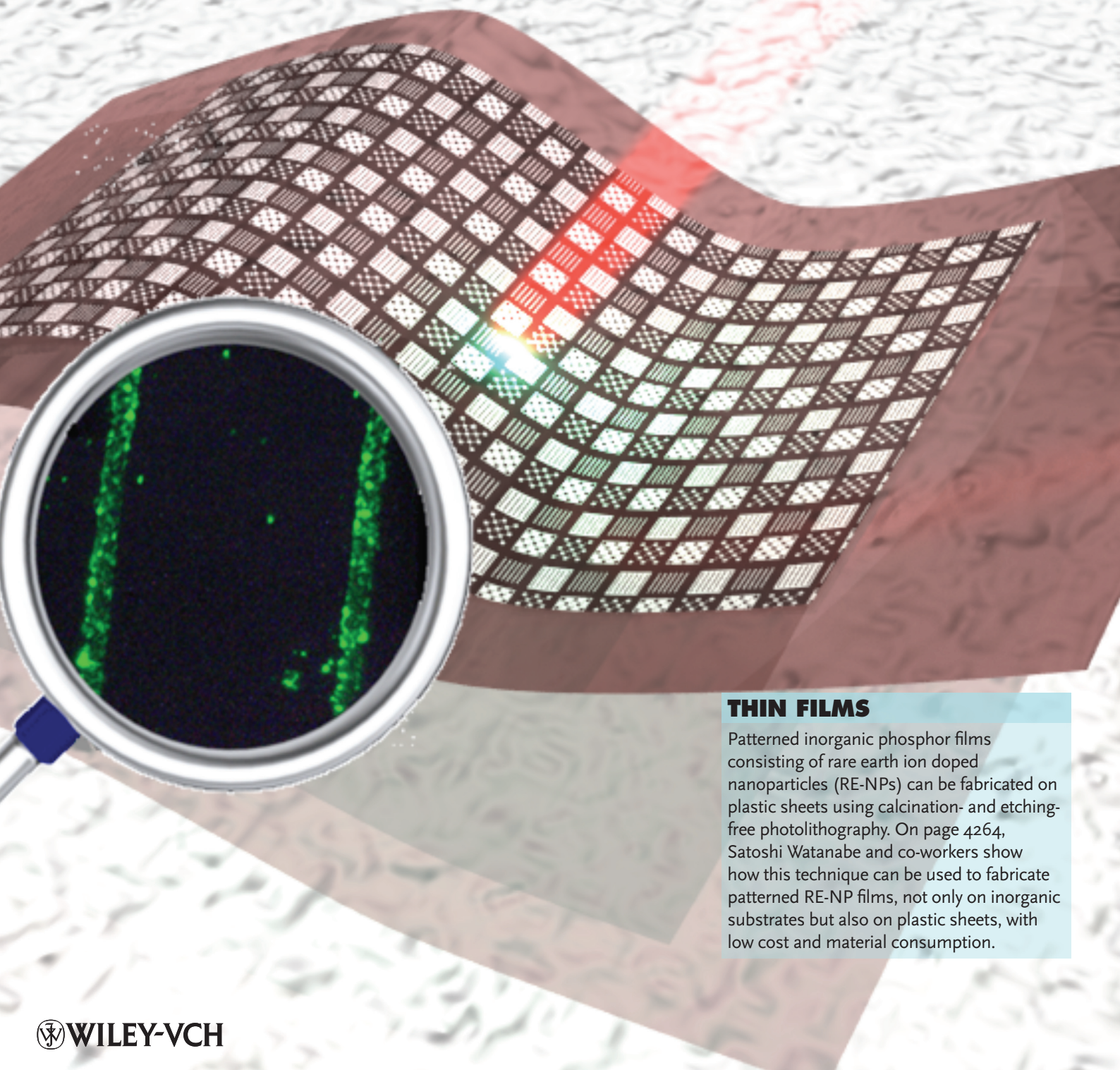


ADVANCED FUNCTIONAL MATERIALS



THIN FILMS

Patterned inorganic phosphor films consisting of rare earth ion doped nanoparticles (RE-NPs) can be fabricated on plastic sheets using calcination- and etching-free photolithography. On page 4264, Satoshi Watanabe and co-workers show how this technique can be used to fabricate patterned RE-NP films, not only on inorganic substrates but also on plastic sheets, with low cost and material consumption.