

ADVANCED FUNCTIONAL MATERIALS

PORE STRUCTURING

This frontispiece image shows porous anodic aluminum oxide (AAO) with modulated pore structure as a result of spontaneous current oscillations during hard anodization of aluminum under a potentiostatic condition, in which the modulation patterns follow exactly the details of oscillating current profile. In the following, W. Lee et al. discuss a possible origin of self-induced oscillatory kinetic behaviors and their implication to the internal morphology of oxide nanopores of AAO in detail.