

ADVANCED FUNCTIONAL MATERIALS

OLEOPHOBICITY

Natural systems inspire the design of smart antifouling surfaces. S. T. Wang, L. Jiang, and co-workers noticed the direction-dependent underwater oleophobicity of the skin of the fish *Navodon septentrionalis*, resulting from its unique hook-like surface structure. On page 809, by mimicking these oriented microtextures, surfaces with remarkable anisotropic underwater oleophobicity are achieved. The anisotropy can be controlled by adjusting the hydrophilicity and oriented microtexture of the surface.

