

MARCH 2015 VOL 14 NO 3
www.nature.com/naturematerials

nature materials

A 3D visualization of a material structure. The top part is a green, circular, lattice-like structure with a central hole, resembling a honeycomb or diamond lattice. The bottom part is a purple, spiral-like structure made of many thin, curved lines, resembling a spring or a helical structure. The two parts are connected, with the purple structure appearing to support or wrap around the green one.

NUCLEAR MATERIALS
Complex challenges

IMPLANTED HYDROGELS
Transdermal activation

ELASTIC SHELLS
A theory for wrinkled patterns

Optical tuning of electronic valleys