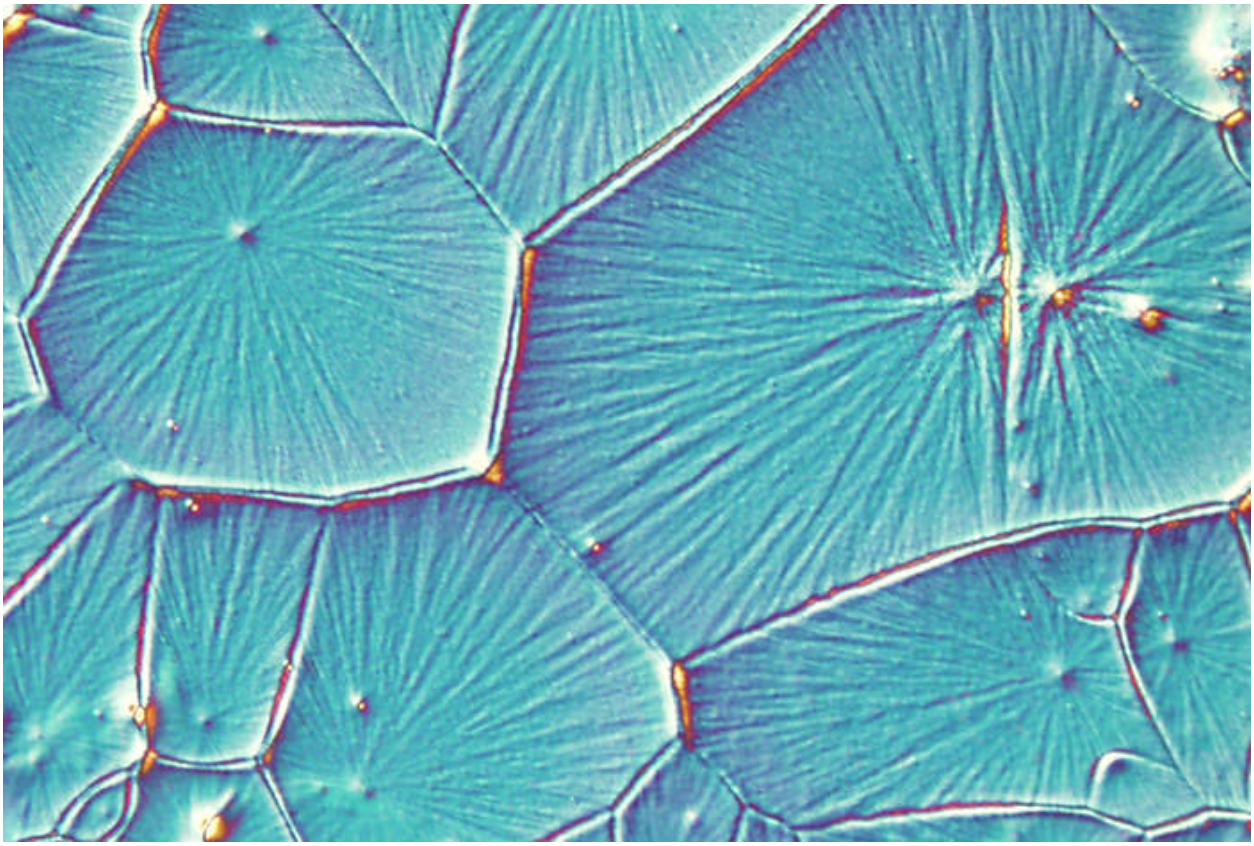
Picture of the Week: Perovskite solar power

June 26, 2015



View extra-large image on Flickr »

Perovskites are a new class of solar-harvesting materials able to form crystalline solar cells that are easy to work with, easy to adjust for improved performance, and very easy to afford. In recent experiments, Los Alamos National Laboratory scientists have produced perovskite crystals that exhibit solar conversion efficiencies comparable to those of silicon, the current gold standard. This image shows the kind of high-efficiency perovskite crystals regularly produced at Los Alamos. These crystals are free of defects on exceptionally large scales and are therefore resistant to losing or trapping valuable photoelectrons.

Read more: Perovskite Power, 1663 magazine, May 2015