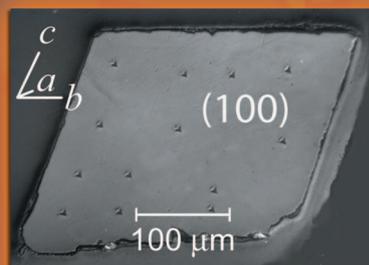
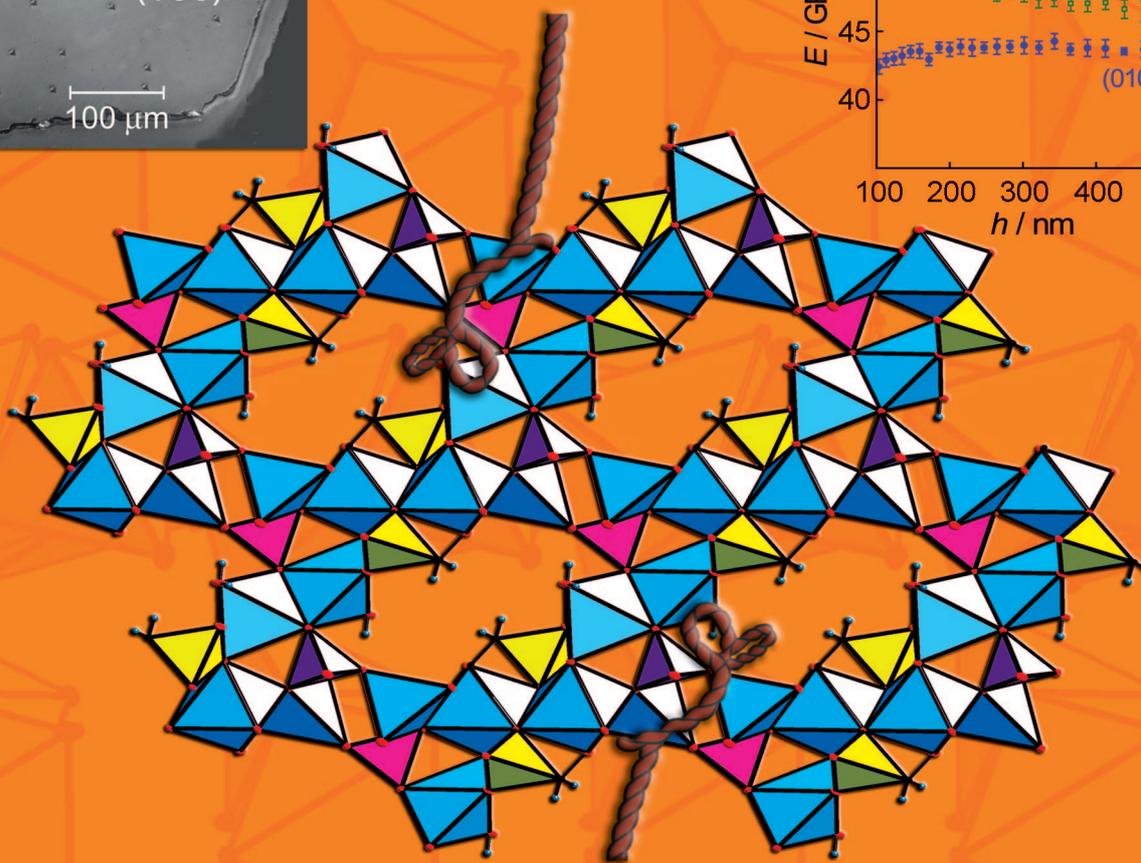
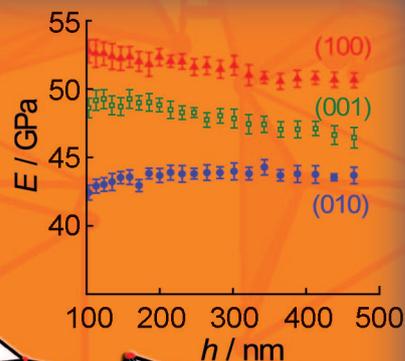


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## Cover Picture

**Monica Kosa\*, Jin-Chong Tan, Crystal A. Merrill, Matthias Krack, Anthony K. Cheetham\*, and Michele Parrinello**

The broad field of hybrid framework materials has experienced enormous growth in the past decade, leading to an explosion of scientific papers related to nanoporous metal-organic frameworks (MOFs). By virtue of their combined structural and chemical versatility, this new class of materials offers huge opportunities for creating exciting properties of great technological importance. Nevertheless, the exploration of elastic properties which is crucial for their successful utilization is still in its infancy. On p. 2332, M. Kosa, A. K. Cheetham et al. show how elastic anisotropy along the primary crystallographic orientations can be assessed using experimental and computational methods. They use single-crystal nanoindentation experiments and first-principles DFT calculations to reveal the mechanical behaviour of a novel hybrid framework material that is akin to ZnO. The computational scheme proposed herein avoids the calculation of the full elastic constants tensor which has proven to be problematic for ZnO. The authors gratefully acknowledge Yana Lelcheck for contribution of the front cover artwork.

