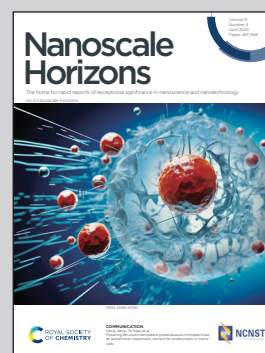


Showcasing research from Professor Piero Baglioni's laboratory, School of Chemistry, University of Florence and CSGI, Florence, Italy.

New horizons on advanced nanoscale materials for Cultural Heritage conservation

Ultra-adaptive and adhesive hydrogels, obtained at the Centre for Colloid and Surface Science (CSGI) from green and sustainable materials, feature a hierarchical porosity and a high tortuosity at the nanoscale. This grants enhanced sorption and cleaning abilities, of specific interest in applications related to the restoration of artworks and conservation of Cultural Heritage in general. These materials can impact on fields even beyond art preservation, like drug delivery, detergency, food industry, cosmetics and tissue engineering.

As featured in:



See Piero Baglioni *et al.*,
Nanoscale Horiz., 2024, **9**, 566.