

A new way of controlling magnetic order in solids



New research with transition metal oxides from Bloch beamline has shown that electronic structure is a driver in spin-reorientation transition. This is an important step toward the development of spintronic technologies.

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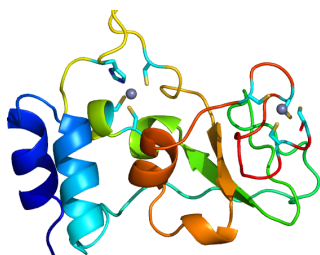
MAX IV Highlights Report 2019



The MAX IV Highlights Report is now available for download. Read and get up to speed on the technological advances, facility growth, and new publications from instrument users which made 2019 such a monumental year at MAX IV.

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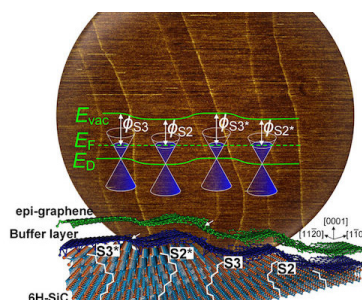
Tackling SARS CoV-2 viral genome replication machinery using X-rays



An international collaboration of scientists has performed biophysical and structural studies of three non-structural proteins from the novel coronavirus, SARS CoV-2, the causative agent of COVID-19. One of the proteins, Nsp10, was solved and analysed at MAX IV's BioMAX beamline. [Read the full story](#)



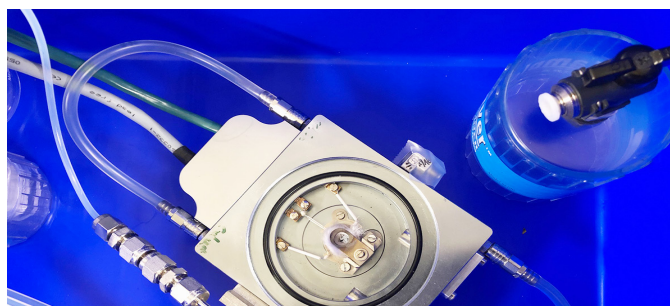
Foundation matters – tuning the properties of graphene



Scientists from Sweden and Germany find that electronic properties of epitaxial graphene are influenced by the structure of the silicon carbide surface that it is grown on. Their results hold implications for tuning the characteristics of two-dimensional materials at the nanoscale.

[Read the full story](#)

Local bonding environment in 2D transition metal carbides



Researchers analysed chemical bonding in 2-dimensional MXenes and MAX-phase material at Balder beamline. Their results are now published in Physical Review Research.

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