

Special Issue

Advances in X-ray Spectroscopy Applications in Coordination Polymers and Inorganic Compounds

Message from the Guest Editors

In this present Special Issue, we would like to invite contributions that demonstrate advances of either spectroscopic methodology or materials and that preferentially indicate the value of interdisciplinary cooperation between these two fields to tackle prevailing challenges in future specialty materials, mobility, energy or medical care. We envision that this Special Issue will further connect the different communities and to inspire future boundary-breaking research endeavors. Potential topics include but are not limited to: Methods development & theoretical aspects:

- Method development in X-ray spectroscopy: HERFD-XAS, XES, XPS, Full-field XAS
- Use of theoretical calculations, whether XAS spectra or the use of classical molecular mechanics/dynamics (MM/MD), as a complementary and accurate verification tool of structure data obtained by experimental methods

Applications of X-ray spectroscopy:

- Time-resolved and/or spatiotemporal studies on materials with catalyst properties
- Applications of X-ray spectroscopy to aid development of novel materials
- Material property evaluation using x-ray spectroscopy, especially but not limited to catalysts

Guest Editors

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Deadline for manuscript submissions

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