DGK conference 2022



Contribution ID: 37 Type: Talk

Elucidating the local structure of carbon nitride materials using electron energy-filtered radial distribution function analysis

Tuesday, 15 March 2022 09:20 (20 minutes)

Here we report the application of energy-filtered electron radial distribution function (eRDF) analysis, combined with transmission electron microscopy imaging and X-ray powder diffraction, for elucidating the crystal structure and describing local order in carbon nitride powders with different degrees of crystallinity: (1) sodium polyheptazine imide (Na-PHI) and (2) amorphous CN covalent network (a-CN).

Primary author: PIANKOVA, Diana (Max Planck Institute of Colloids and Interfaces)

Presenter: PIANKOVA, Diana (Max Planck Institute of Colloids and Interfaces)

Session Classification: Advances in Methods and Techniques

Track Classification: Main conference: Advances in Methods, Instrumentation and Data Analy-

sis