

Description of Additional Supplementary Files

File Name: Supplementary Movie-1

Description: The three-dimensional (3D) structures of pristine DF characterized by the soft X-ray tomography;

File Name: Supplementary Movie-2

Description: The three-dimensional (3D) structures of pristine DF-SiO characterized by the soft X-ray tomography;

File Name: Supplementary Movie-3

Description: The three-dimensional (3D) structures of pristine DF-Si characterized by the soft X-ray tomography.