

Supporting Information for:

Sputter deposition of highly active complex solid solution electrocatalysts into an ionic liquid library: Effect of structure and composition on oxygen reduction activity

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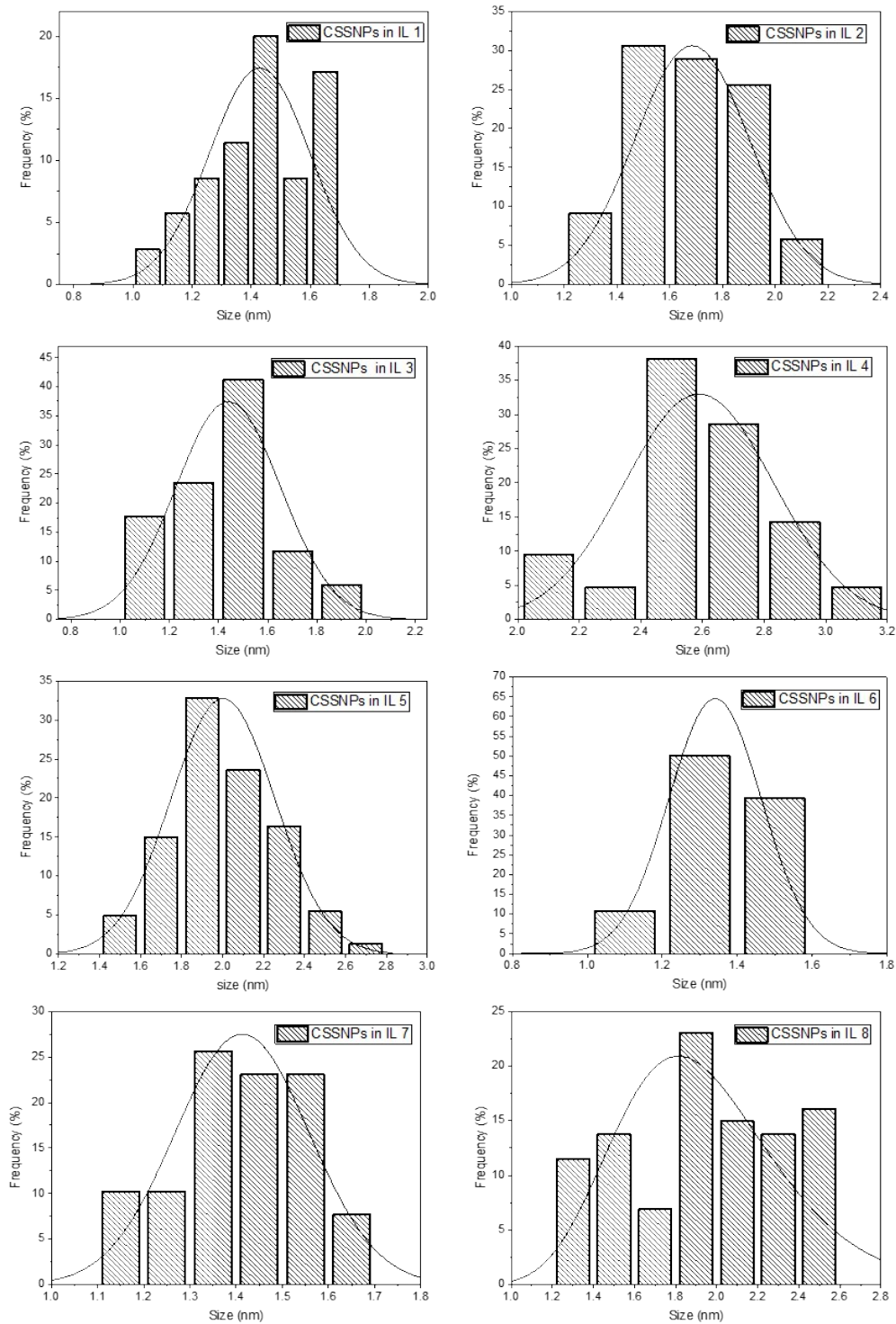


Figure S1. Histograms of the size distribution of the CSSNPs in the different ILs transferred on a carbon coated gold grid.

**In-situ phase transformation from amorphous to crystalline state of the CSSNPs
in IL2**

In the video file “CSSNPs phase transformation.mp4” one can see the phase transformation from amorphous to crystalline phase of the CSSNPs in IL2 due to the energy of the electron beam.