

Supporting Information

Black Arsenic: A New Synthetic Method by Catalytic Crystallization of Arsenic Glass

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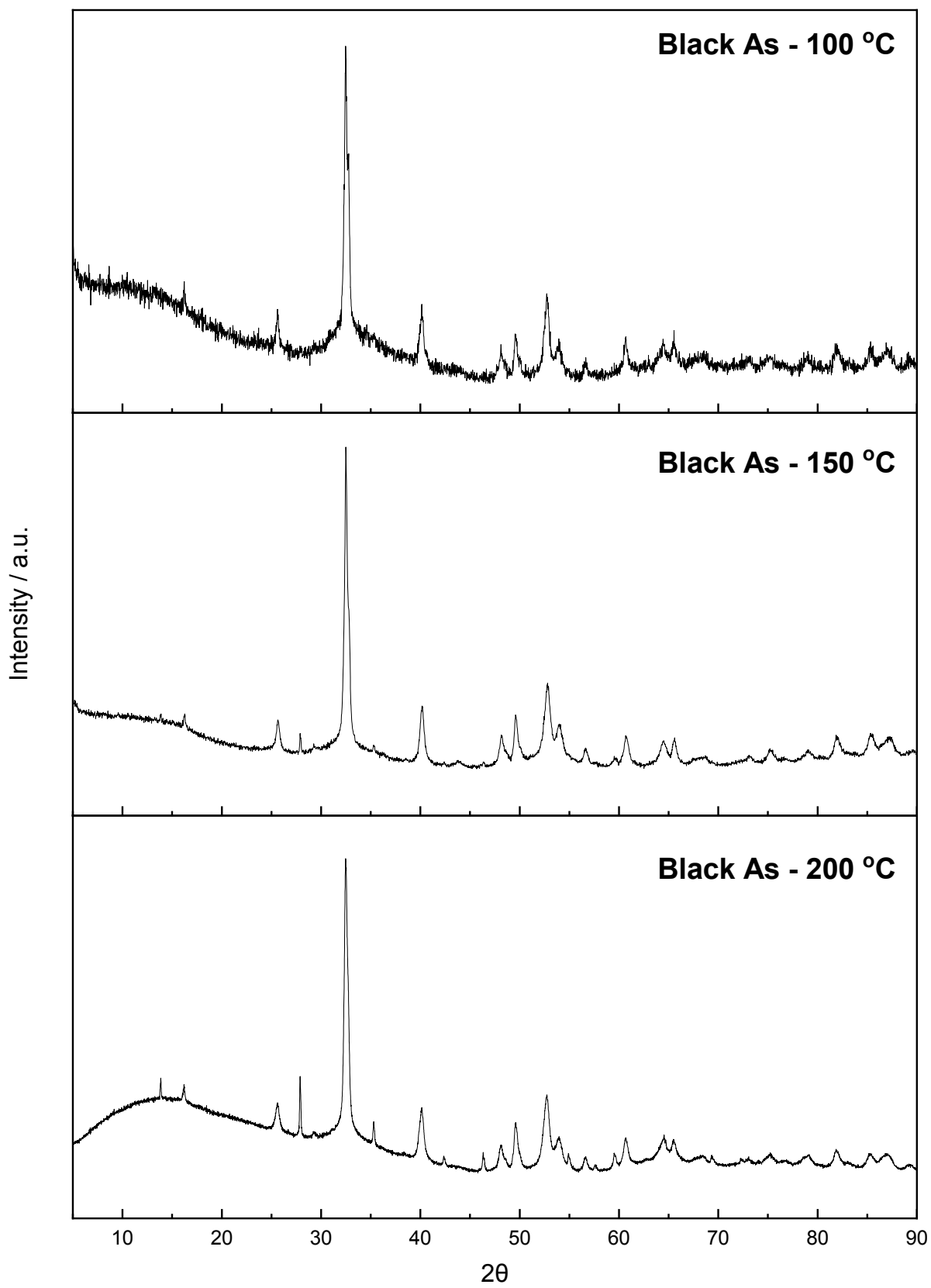


Figure S1 X-ray diffractograms of black arsenic prepared at different temperatures.

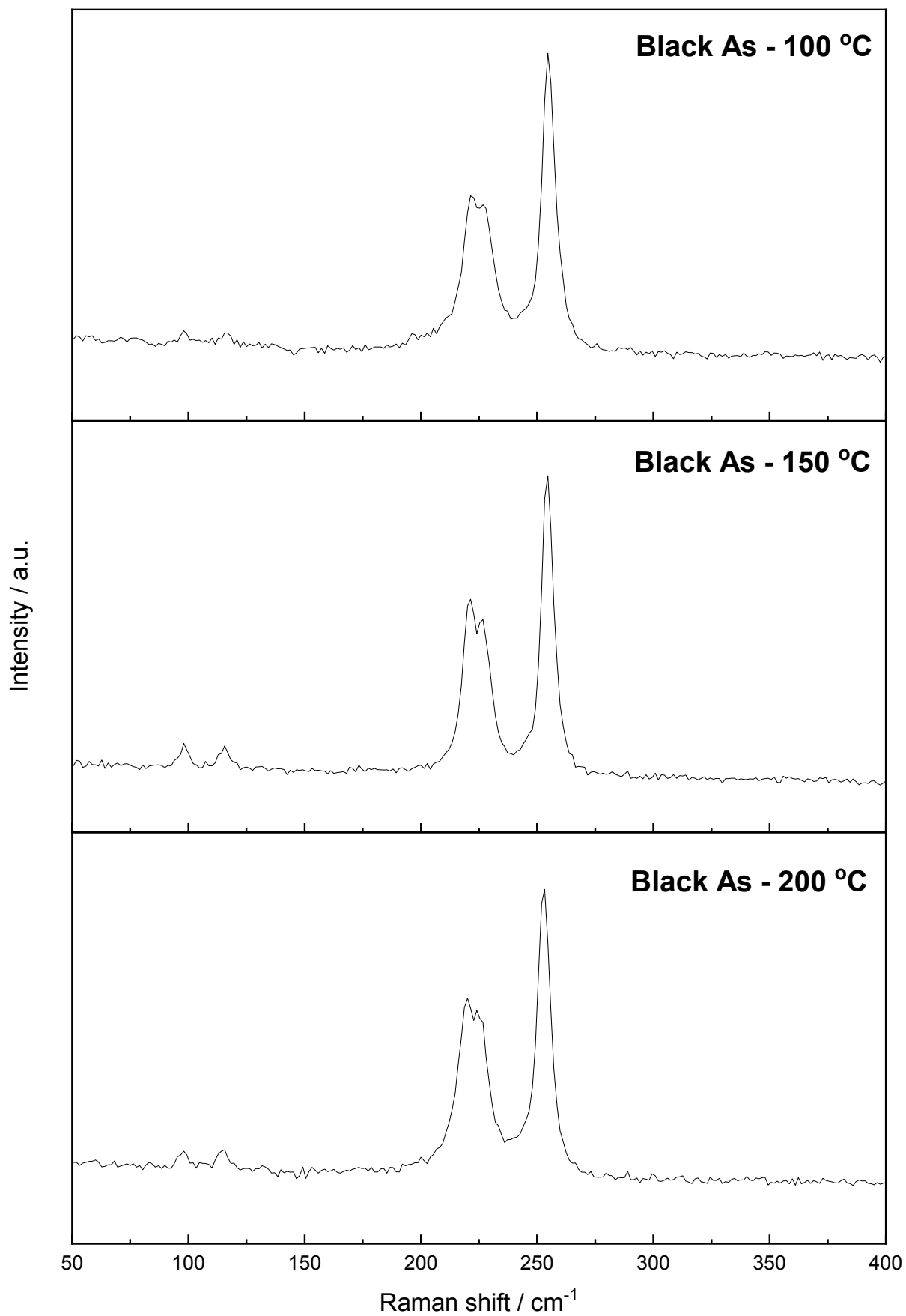


Figure S2 Raman spectra of black arsenic prepared at different temperatures.

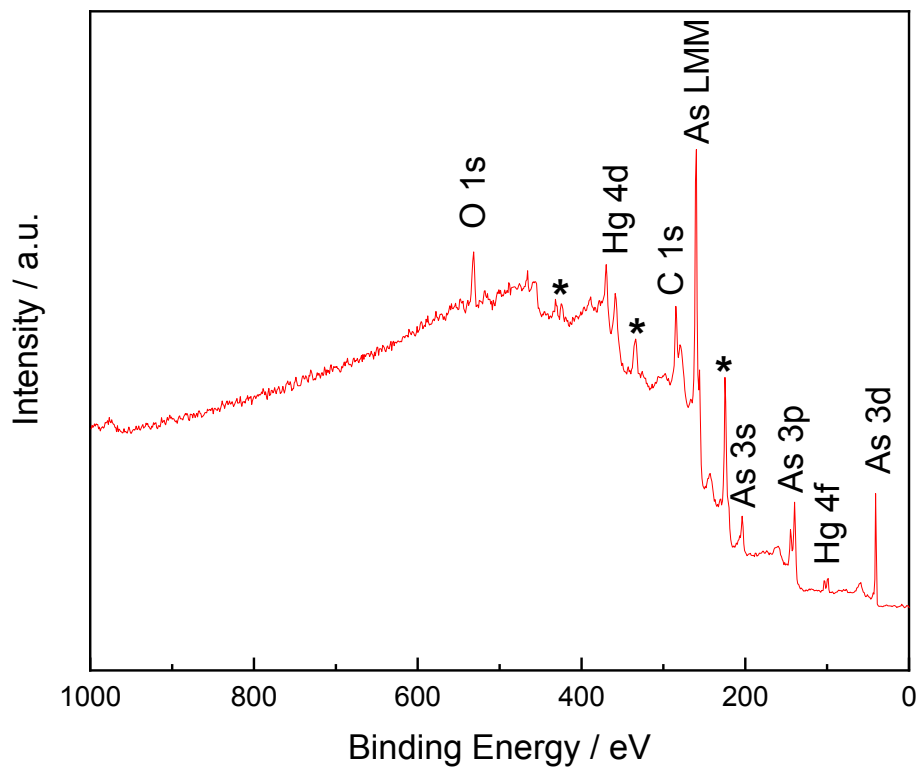


Figure S3 Wide survey XPS spectra of black arsenic prepared at 150 °C. Signals corresponding to the Mo substrate are labelled with an asterisk.

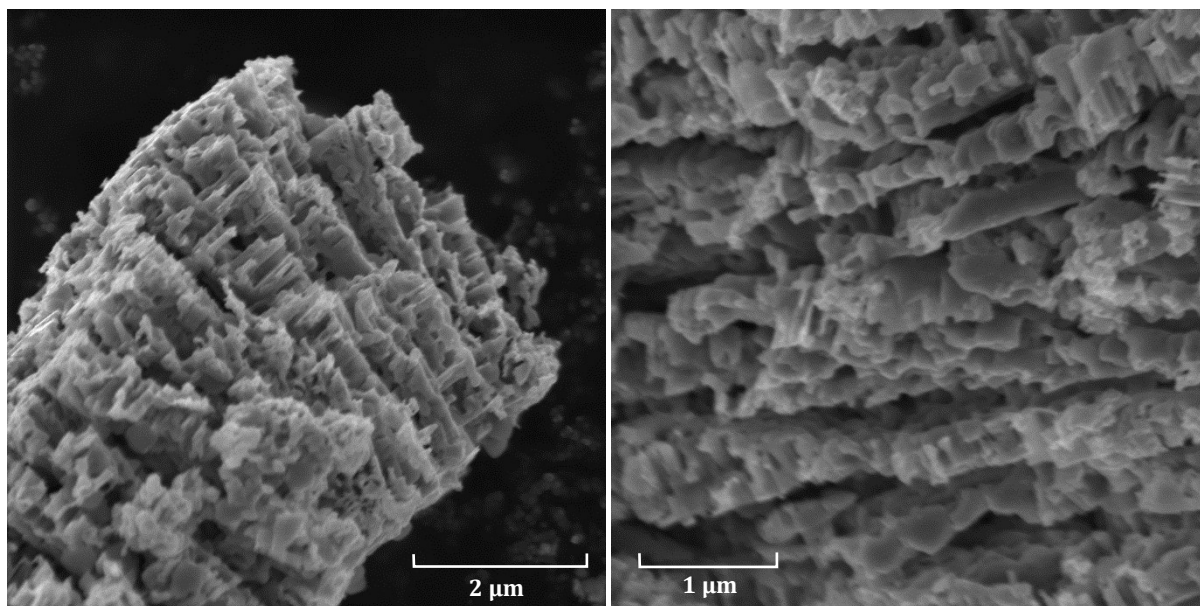


Figure S4 SEM images of black arsenic prepared at 150 °C at different scales.

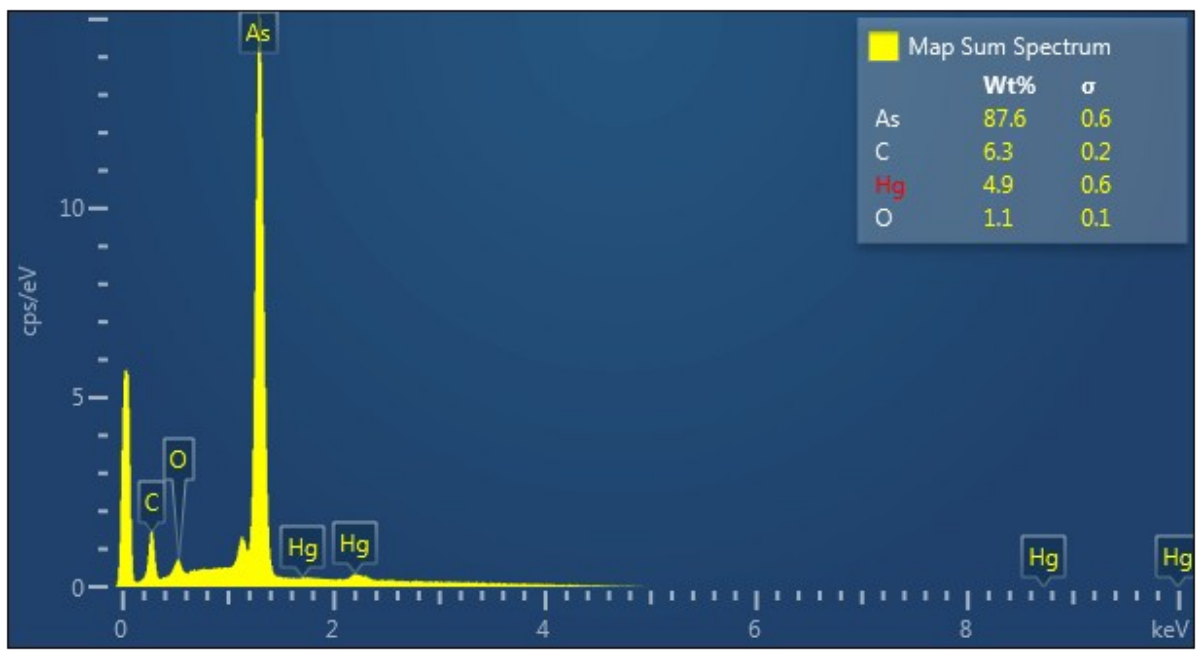


Figure S5 Quantitative elemental analysis from EDS spectrum.