

SUPPORTING INFORMATION

for

Investigation of the nucleation and growth dynamics of FePt nanoparticles prepared via a high temperature synthesis route employing PtCl_2 as platinum precursor

Hauke Heller,^a Kirsten Ahrenstorf,^a Jose A. C. Broekaert^b and Horst Weller*^a

^a University of Hamburg, Institute of Physical Chemistry, Hamburg, Germany. E-mail: weller@chemie.uni-hamburg.com

^b University of Hamburg, Institute of Inorganic and Applied Chemistry, Hamburg, Germany. E-mail: jose.broekaert@chemie.uni-hamburg.de

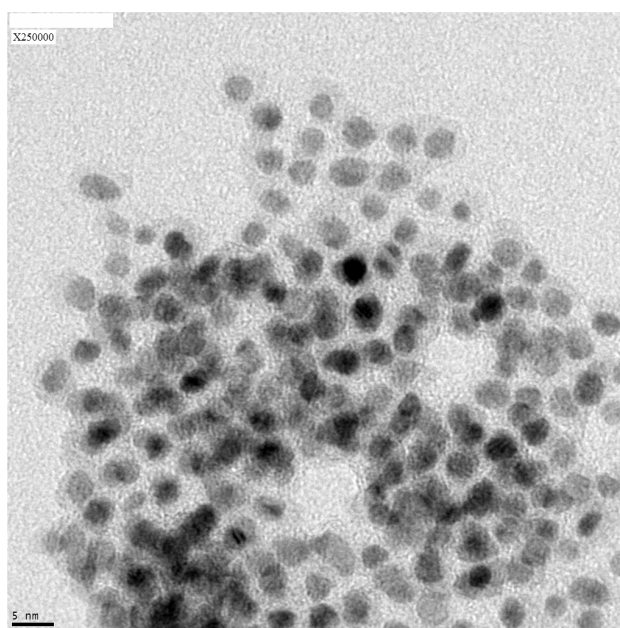


Fig. S1 $\text{Fe}_{49}\text{Pt}_{51}$ particles (as determined by EDX) obtained with a molar ratio of 3:1 of $\text{Fe}(\text{acac})_3$ over $\text{Pt}(\text{acac})_2$. A lighter hull can be seen around the particles that we attribute to iron oxide, as the position of the (111) reflex of FePt (40.1°) correlates to $\sim \text{Fe}_{13}\text{Pt}_{87}$ and does not fit the high iron content.