Supporting Information

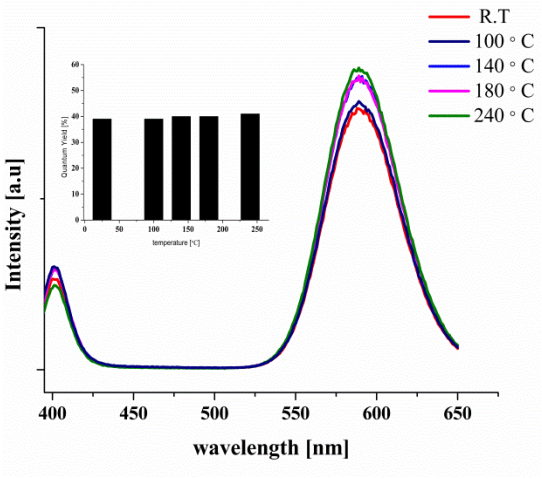
A facile synthesis of alloyed Mn-doped ZnSeS nanoparticles using a modified selenium/sulfur precursor in a one-pot approach

Julia Zimdars,[a] Jan Pilger[a], Michael Entrup[b],, Daniel Deiting[a] Andreas H. Schäfer[c] and Michael Bredol[a]

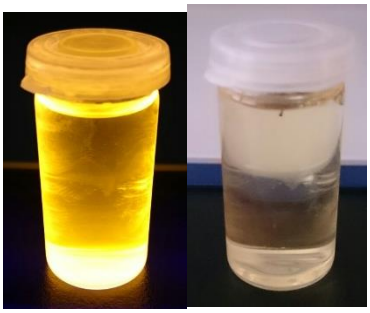
a) Muenster University of Applied Sciences, Department of Chemical Engineering, Stegerwaldstr. 39, 48565 Steinfurt, Germany

b) Westfälische Wilhelms Universität,Institue of Physics, Wilhelm-Klemm Str. 9, 48149 Münster, Germany

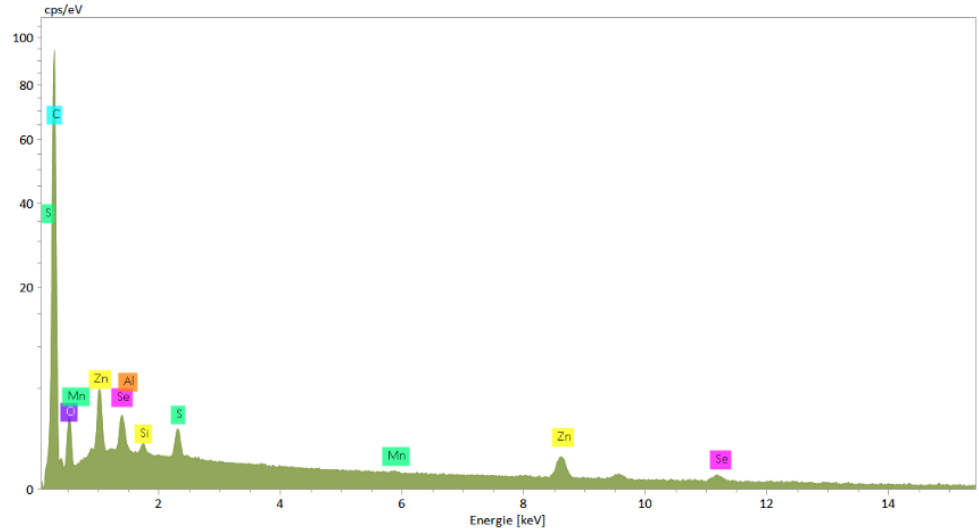
c) nanoAnalytics GmbH, Heisenbergstr. 11, 48149 Münster, Germany



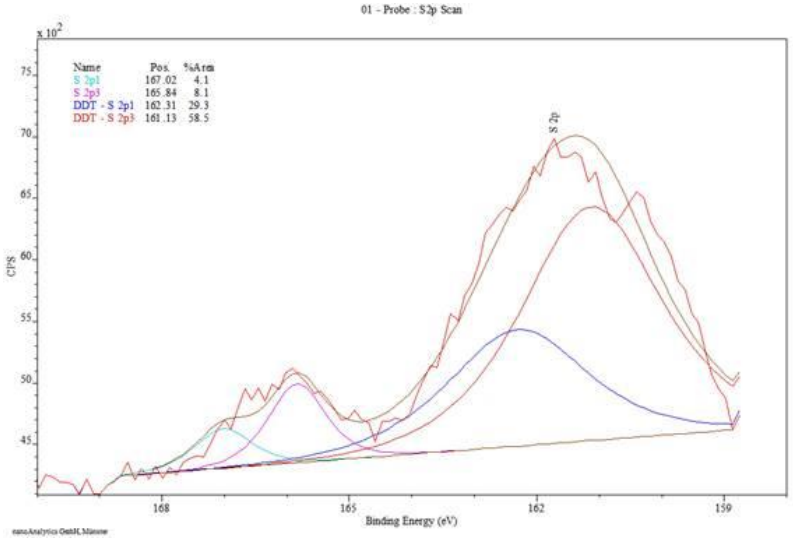
S1: PL spectra of ZnSeS:Mn nanoparticles during the cooling down process after the synthesis.



S2: Pictures of ZnSeS:Mn under UV irradiation (left) and ZnSeS:Mn nanoparticles without irradiation (right).



S3: EDX spectrum of alloyed ZnSeS:Mn nanoparticles



S4: fitted XPS spectrum of S2 p.