

Facile non-hydrolytic synthesis of highly water dispersible, surfactant free nanoparticles of synthetic MFe_2O_4 ($M = Mn^{2+}, Fe^{2+}, Co^{2+}, Ni^{2+}$) ferrite spinel by a modified Bradley reaction

Robert Pązik^{1*}, Emilia Piasecka^{1,2}, Małgorzata Małecka¹, Vadim G. Kessler³, B. Idzikowski⁴, Z. Śniadecki⁴ and Rafał J. Wiglusz^{1*}

¹*Institute of Low Temperature and Structure Research, PAS, Okólna 2, 50-422 Wrocław, Poland*

²*Polymer Engineering and Technology Division, Wrocław University of Technology, 50-370 Wrocław, Poland*

³*Department of Chemistry, SLU, P.O. Box 7015, 750 07 Uppsala, Sweden*

⁴*Institute of Molecular Physics, PAS, M. Smoluchowskiego 17, 60-179 Poznań, Poland*

*Corresponding authors:

Robert.Pazik@int.pan.wroc.pl, Rafal.Wiglusz@int.pan.wroc.pl

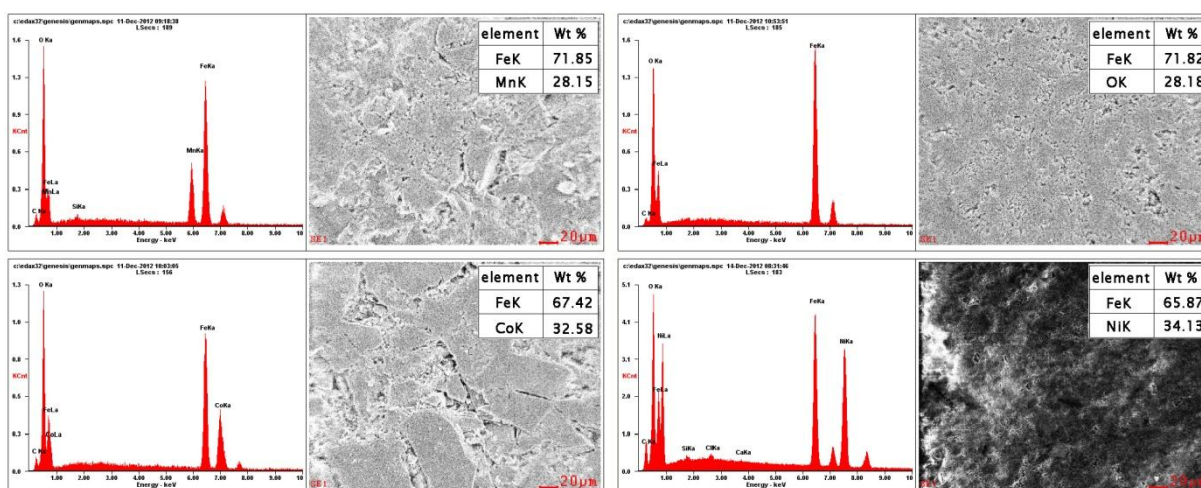


Figure S1. EDS analysis of the MFe_2O_4 series.