Hierarchically structured porous spinels, via an epoxide-mediated sol-gel process, accompanied by polymerization-induced phase separation

Jan Herwig[†], Juliane Titus[‡], Jens Kullmann[‡], Nicole Wilde[‡], Thomas Hahn[†], Roger Gläser[‡], Dirk Enke[‡,*]

[†]Institute of Chemistry, Martin-Luther-University Halle-Wittenberg, Von-Danckelmann-Platz 4, 06120 Halle (S.), Germany

[‡]Institute of Chemical Technology, University of Leipzig, Linnéstraße 3, 04103 Leipzig, Germany

For Table of Contents Only: ICP-OES-results, SEM-EDX images

Table S1. Sample composition of the Ni-Al system (from ICP-OES).

Sample	Concentration [a,b]		Ni content [c]	
	Al	Ni	measured	calculated [d]
	/ wt.-%	/ wt.-%	/ mol-%	/ mol-%
3Ni	49.7	3.5	3.1	3.3
22Ni	34.0	18.9	20.3	22.0
33Ni	26.6	28.2	32.8	33.0

[a] based on total sample mass

[b] corrected values after ICP-analysis

[c] based on total metal amount (Al+Ni)

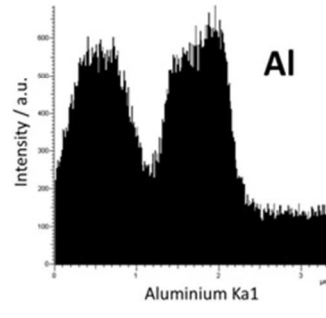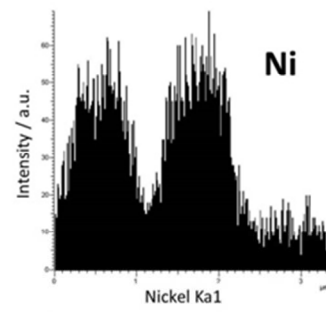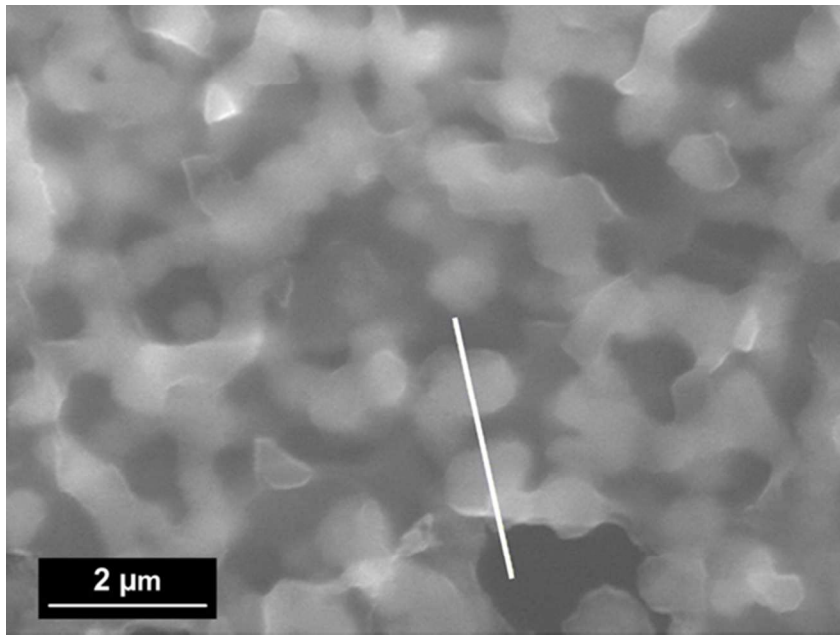[d] calculated from initial metal weight (Al+Ni)

Figure S1. SEM-EDX image of 22Ni-2 with EDX linescan.

Table S2. Sample composition of the Co-Al system (from ICP-OES).

Sample	Concentration [a,b]		Co content [c]	
	Al	Co	measured	calculated [d]
	/ wt.-%	/ wt.-%	/ mol-%	/ mol-%
3Co	48.2	3.7	3.4	3.3
22Co	46.5	19.6	22.6	22.1
33Co	30.0	31.4	32.4	33.0

[a] based on total sample mass

[b] corrected values after ICP-analysis

[c] based on total metal amount (Al + Co)
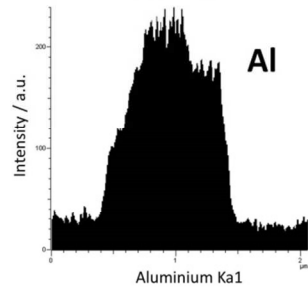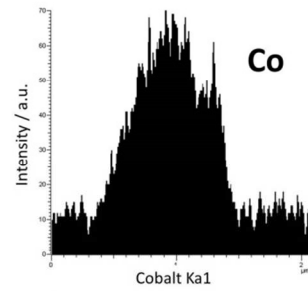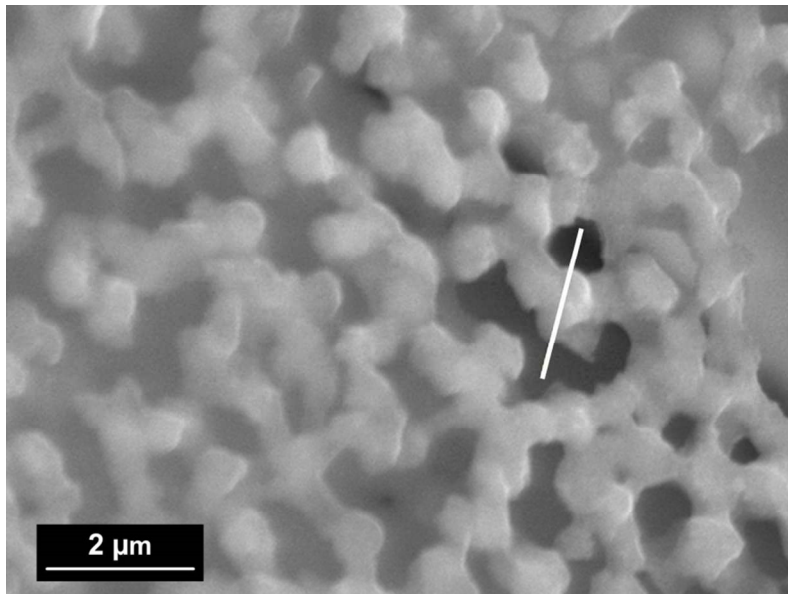
[d] calculated from initial metal weight (Al + Co)

Figure S2. SEM-EDX image of 22Co-2 with EDX-linescan.