

Electronic Supplementary Information

Spinel ZnMn₂O₄ nanoplate assemblies fabricated via “escape-by-crafty-scheme” strategy

Jiao Zhao,^{a,b} Fuqing Wang,^{b,c} Panpan Su,^{a,b} Mingrun Li,^a Jian Chen,^c Qihua Yang,^{*a}
and Can Li^{*a}

^a State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, 457 Zhongshan Road, Dalian 116023, China.

^b Graduate School of the Chinese Academy of Sciences, Beijing 100049, China.

^c Laboratory of Advanced Rechargeable Batteries, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, 457 Zhongshan Road, Dalian 116023, China.

* To whom correspondence should be addressed.

E-mail: yangqh@dicp.ac.cn (Q.H.Y.); canli@dicp.ac.cn (C.L.).

Tel: 86-411-84379552 (Q.H.Y.); 86-411-84379070 (C.L.).

Fax: 86-411-84694447.

URL: <http://www.hmm.dicp.ac.cn> (Q.H.Y.); <http://www.canli.dicp.ac.cn> (C.L.).

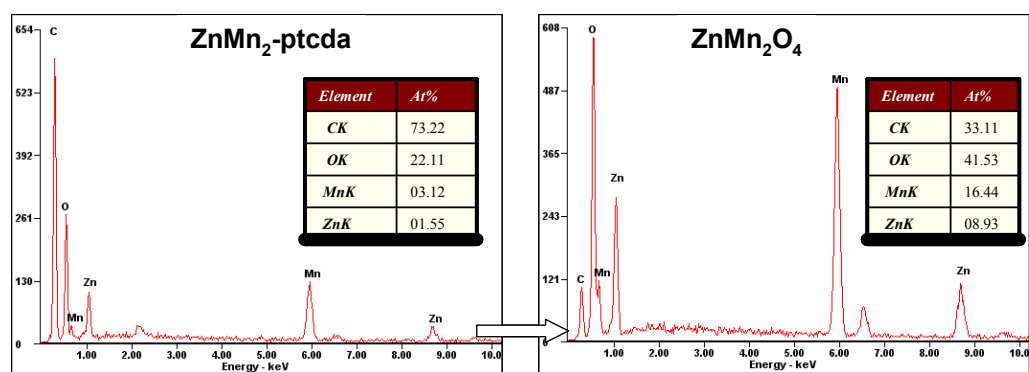


Figure S1. EDX spectra of ZnMn₂-ptcda and ZnMn₂O₄.

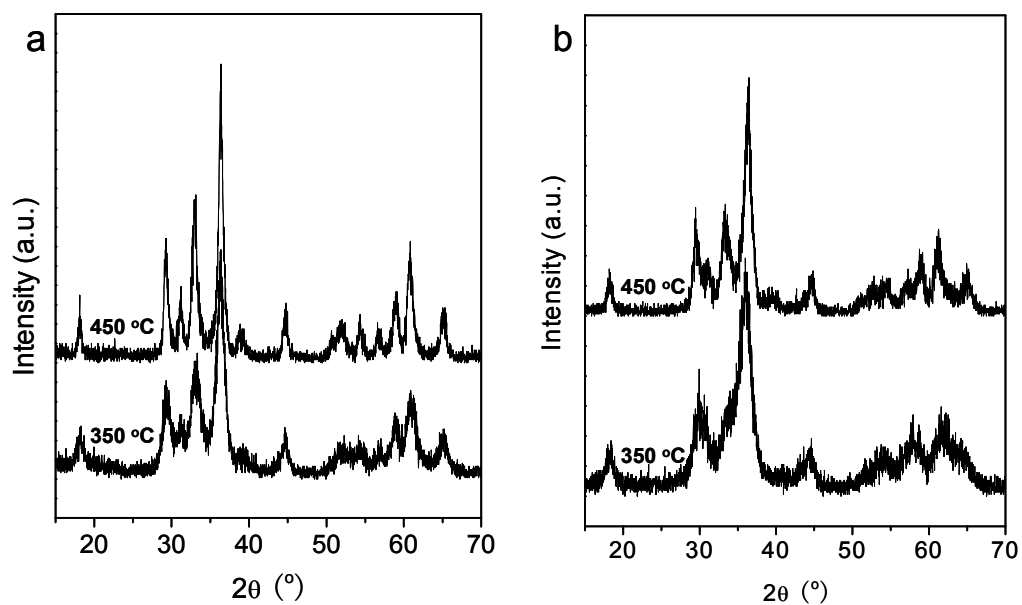


Figure S2. PXRD patterns of ZnMn₂O₄ obtained from precursors prepared from (a) MMOFs based method and (b) coprecipitation method at different temperatures for 1 h in air.

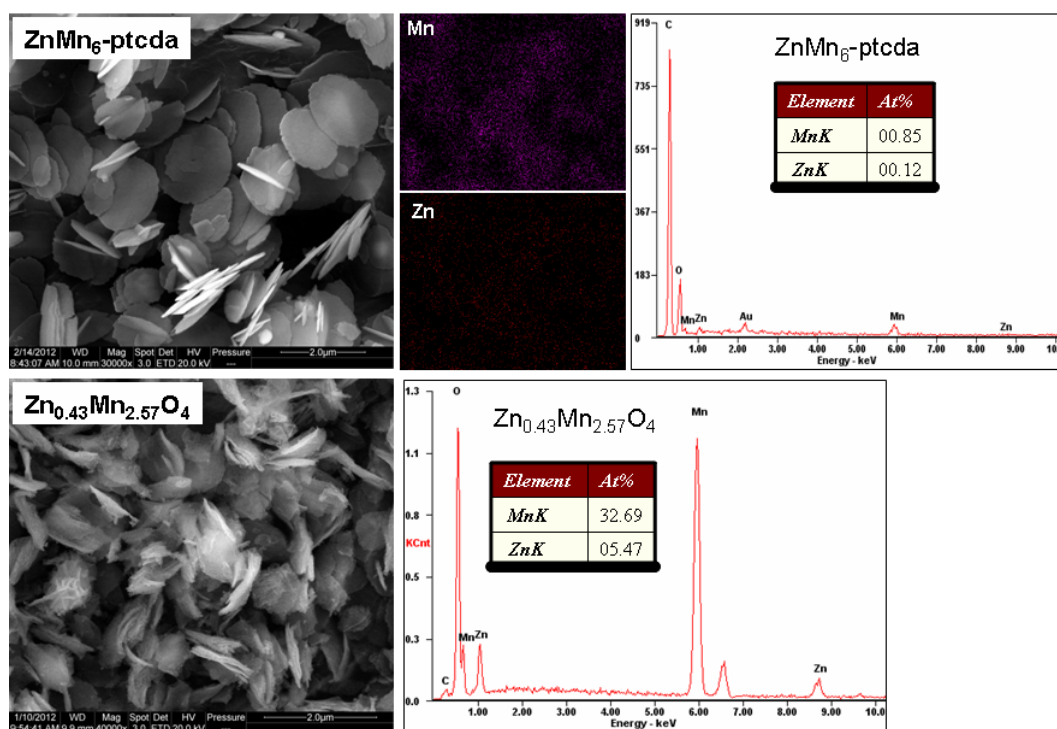


Figure S3. SEM images and EDX spectra of ZnMn₆-ptcda and Zn_{0.43}Mn_{2.57}O₄.

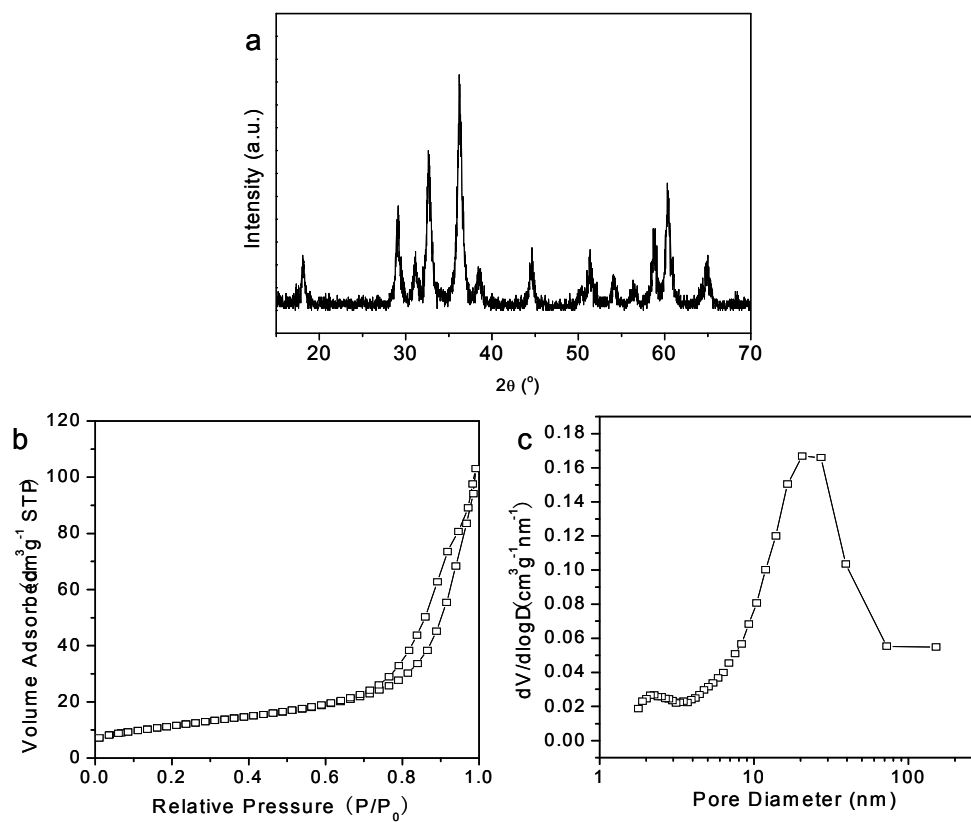


Figure S4. (a) XRD pattern, (b) N₂ adsorption-desorption isotherm, and (c) pore size distribution of Zn_{0.43}Mn_{2.57}O₄.

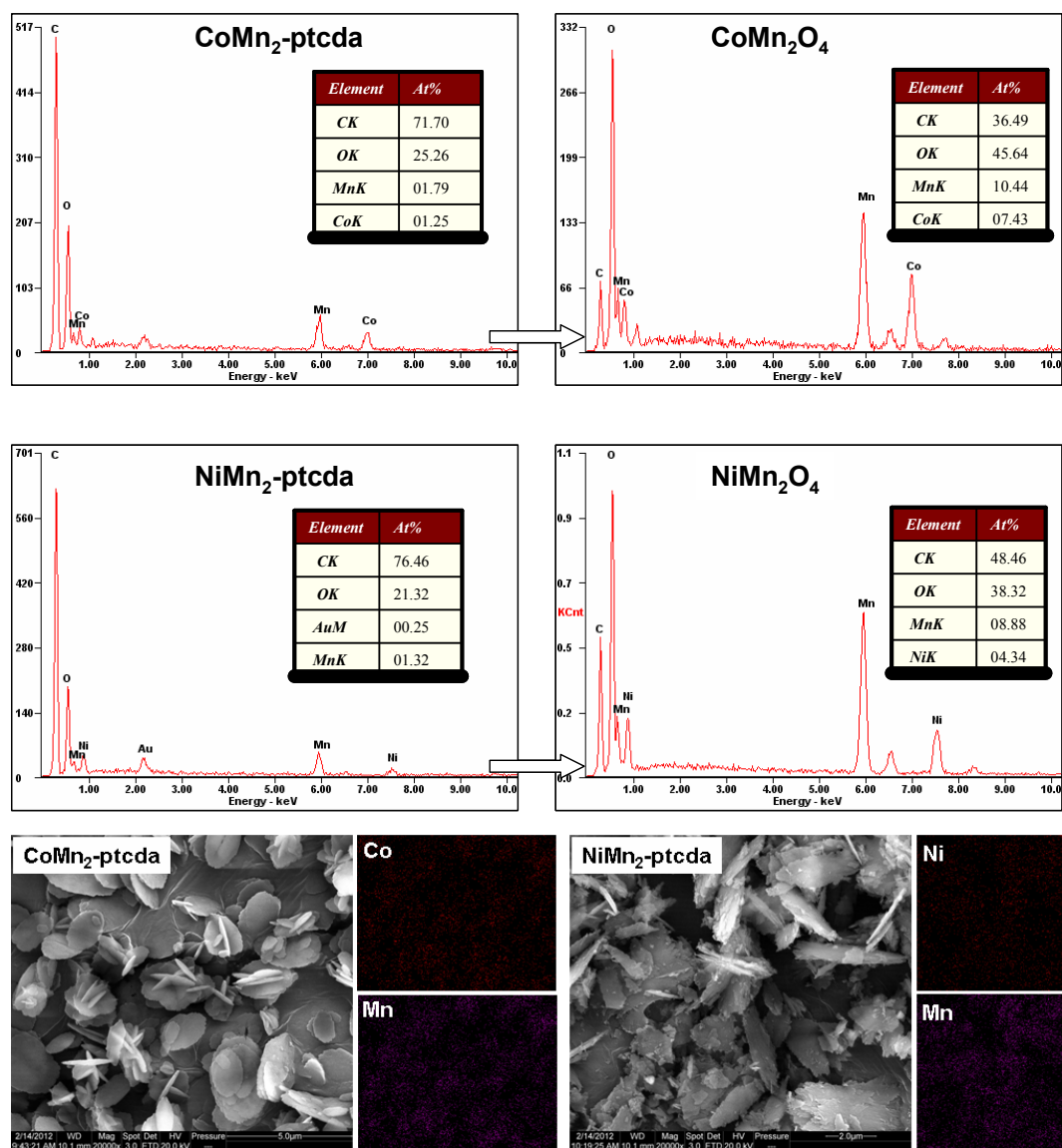


Figure S5. EDX spectra of CoMn₂-ptcda, CoMn₂O₄, NiMn₂-ptcda and NiMn₂O₄, and EDX element mapping.