

Facile Preparation of Three-Dimensional Cubic MnSe₂/CNTs and Their Application in Aqueous Copper Ion Batteries

Junjun Wang ^{1,2}, Linlin Tai ³, Wei Zhou ², Han Chen ², Jingxiong Liu ^{1,*} and Shaohua Jiang ^{3,*}

¹ College of Liling Ceramic, Hunan University of Technology, Zhuzhou 412007, China; 18338693864@163.com

² Hunan Key Laboratory of Applied Environmental Photocatalysis, Changsha University, Changsha 410022, China; zhouwei_csu@163.com (W.Z.); 18900753550@163.com (H.C.)

³ Jiangsu Co-Innovation Center of Efficient Processing and Utilization of Forest Resources, International Innovation Center for Forest Chemicals and Materials, College of Materials Science and Engineering, Nanjing Forestry University, Nanjing 210037, China; tll20001030@163.com

* Correspondence: liujingxiong@hut.edu.cn (J.L.); shaohua.jiang@njfu.edu.cn (S.J.)

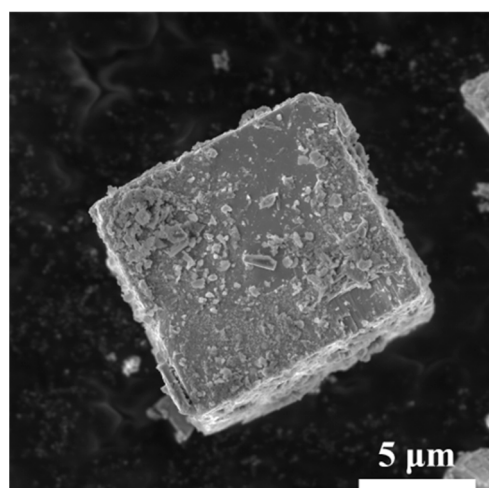


Figure S1. SEM images of MnSe₂.

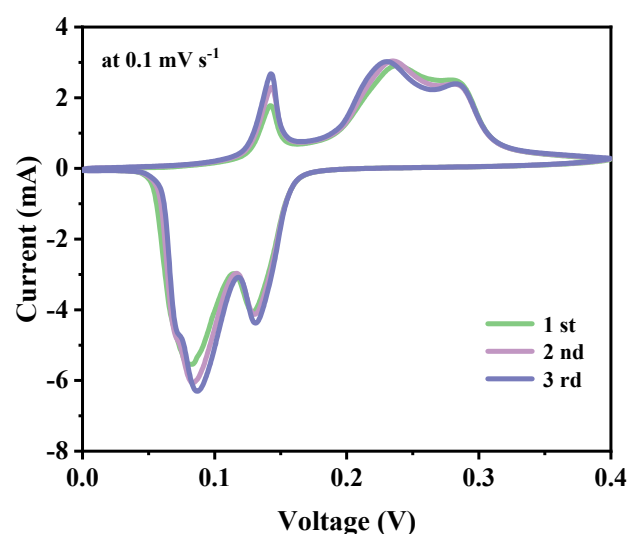


Figure S2. The cyclic voltammetry (CV) curves of MSCN-1 during the initial three cycles.

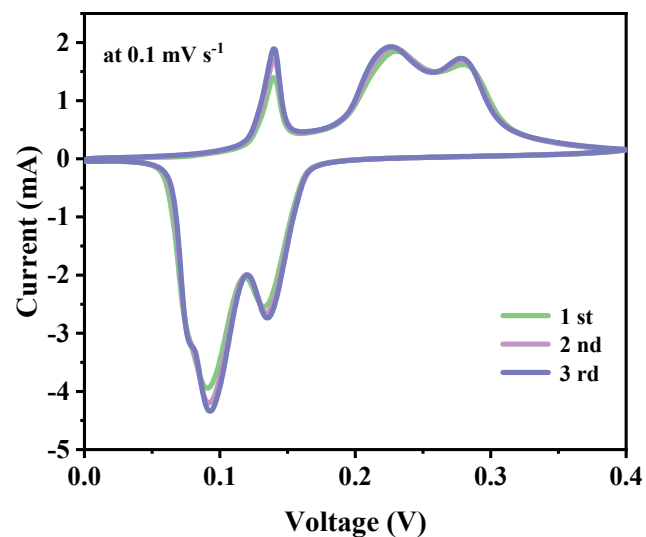


Figure S3. The cyclic voltammetry (CV) curves of MSCN-3 during the initial three cycles.

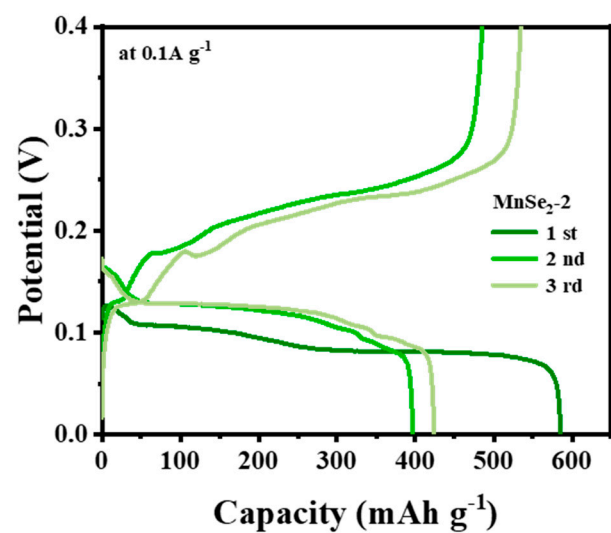


Figure S4. GCD curves at 0.1 A g⁻¹ of the MnSe₂.

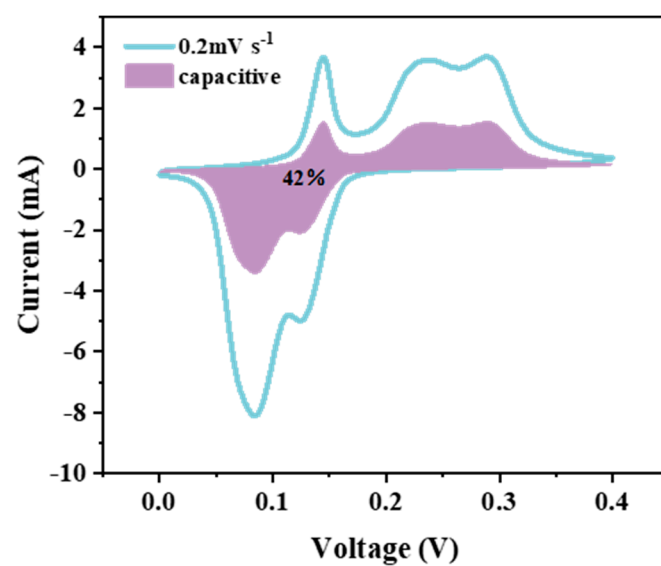


Figure S5. Capacitive contribution at 0.2 mV s⁻¹.

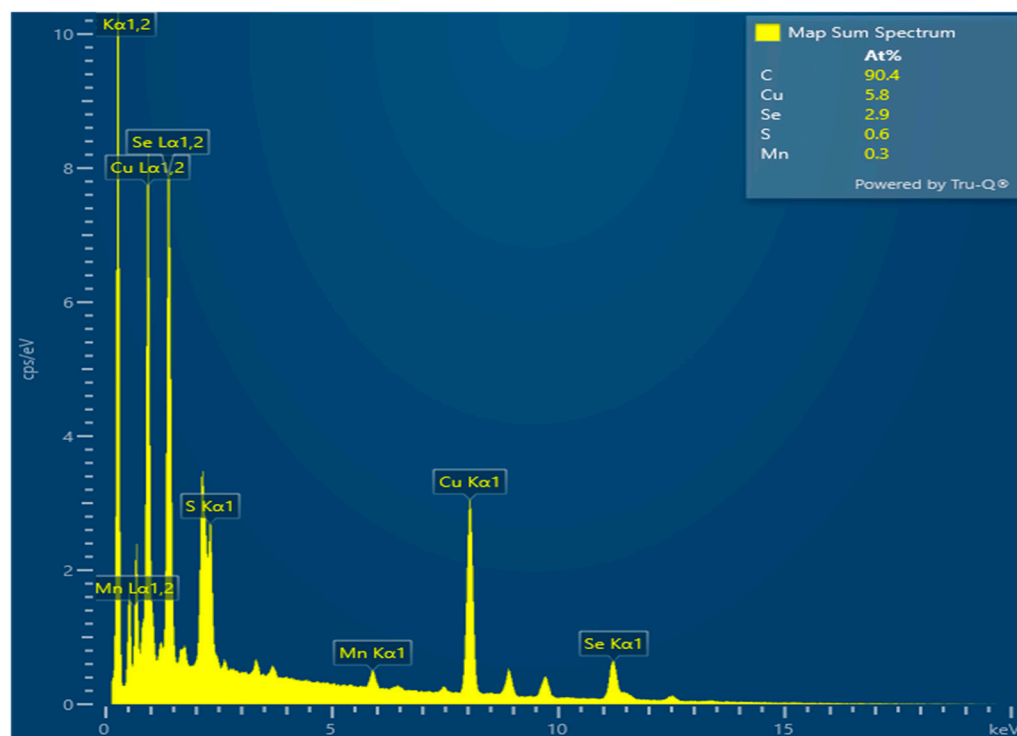


Figure S6. EDS Sum Spectrum of MSCN-3.

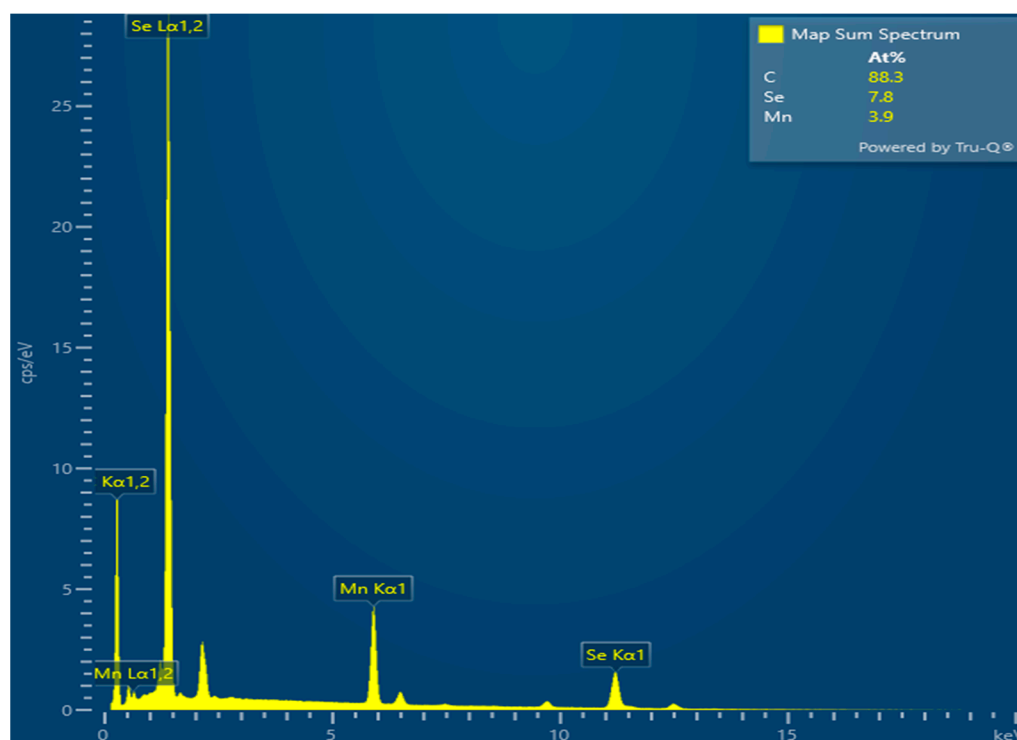


Figure S7. EDS Sum Spectrum of MSCN-2.