

Supplementary Materials

Growth and Thermal Conductivity Study of CuCr_2Se_4 - CuCrSe_2

Hetero-Composite Crystals

Haomin Lu ^{1,2,†}, Chenghao Yin ^{2,3,†}, Ruonan Zhan ^{1,2}, Yanyan Zhang ^{1,2}, Yangyang Lv ^{2,3}, Minghui Lu ^{1,2}, Jian Zhou ^{1,2}, Shuhua Yao ^{1,2,*} and Yanbin Chen ^{2,3,*}

- ¹ Jiangsu Key Laboratory of Artificial Functional Materials, Department of Materials Science and Engineering, Nanjing University, Nanjing 210093, China; mg1934022@smail.nju.edu.cn (H.L.); mg20220052@smail.nju.edu.cn (C.Y.); mf1934070@smail.nju.edu.cn (R.Z.); mf1834078@smail.nju.edu.cn (Y.-Y.Z.); luminghui@nju.edu.cn (M.L.); zhoujian@nju.edu.cn (J.Z.)
- ² National Laboratory of Solid State Microstructures, Nanjing University, Nanjing 210093, China; lvyangws0801@nju.edu.cn
- ³ Department of Physics, Nanjing University, Nanjing 210093, China
- * Correspondence: shyao@nju.edu.cn (S.Y.); ybchen@nju.edu.cn (Y.C.)
- † These authors contributed equally to this work.

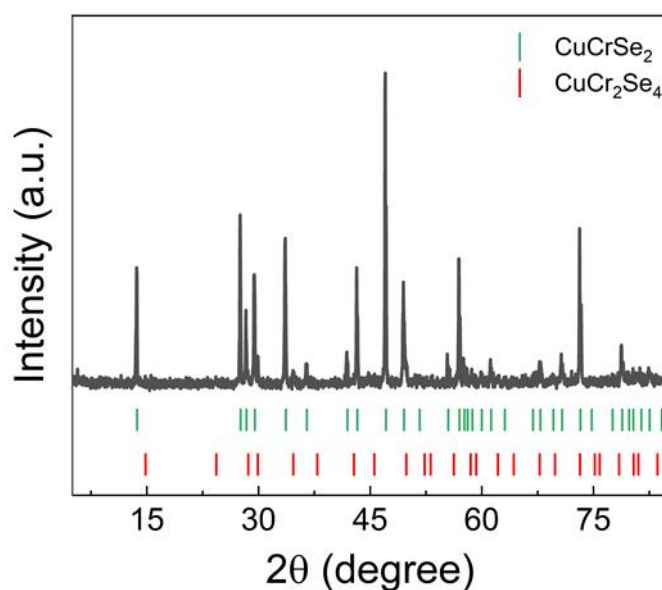


Figure S1. XRD pattern of synthesized CuCrSe_2 polycrystalline powder.

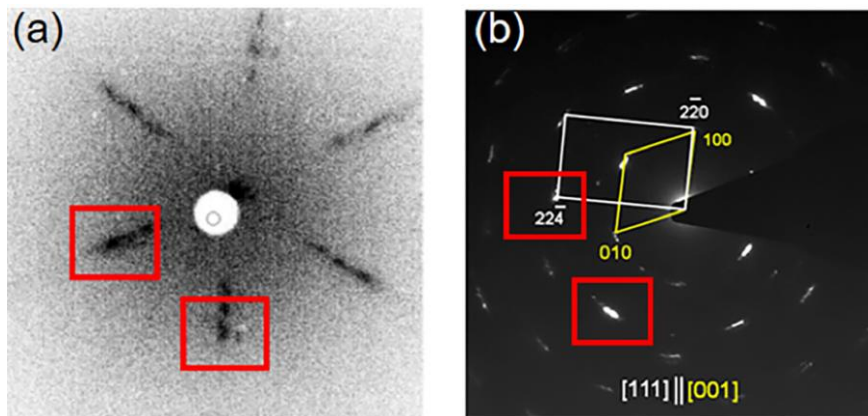


Figure S2. (a) The Laue pattern of composite of CuCrSe_2 and CuCr_2Se_4 . The red rectangles highlight the broadening and splitting reflection spots that consist of the reflection spots of CuCrSe_2 and CuCr_2Se_4 , compared with electron diffraction (two red rectangle) shown in (b). Based on this comparison, though the resolution of Laue pattern is poor, the orientation relationship between CuCrSe_2 and CuCr_2Se_4 determined through electron diffraction is correct.