

Supplementary Material for Quasi Two-Dimensional Nature of High- T_c Superconductivity in Iron-Based (Li,Fe)OHFeSe

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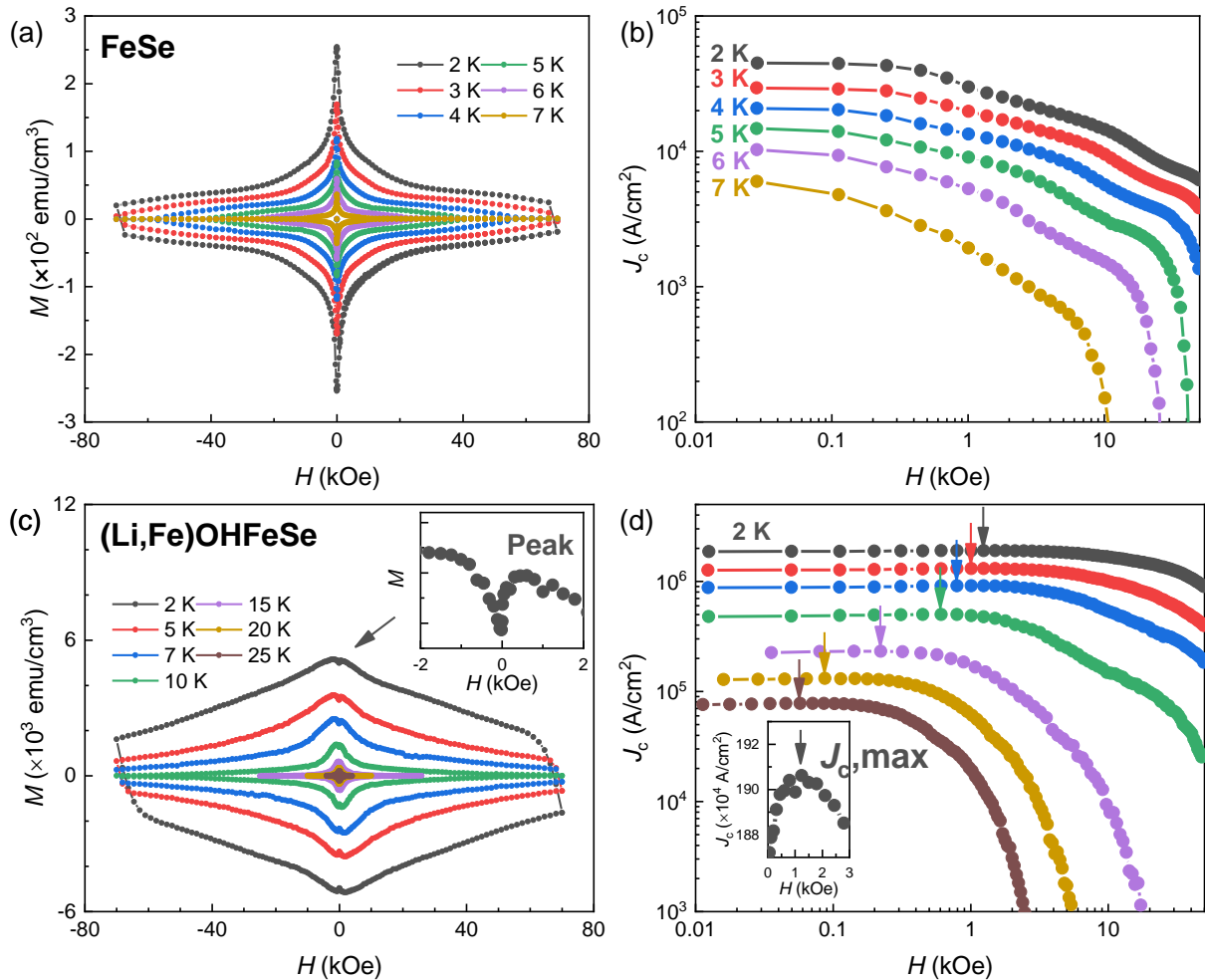


Fig. S1. Magnetic hysteresis loops (MHLs) of FeSe and (Li,Fe)OHFeSe single crystals. (a) The MHLs of FeSe measured at temperatures from 2 to 7 K. (b) Magnetic field dependence of J_c calculated from the MHLs in (a). (c) The MHLs of (Li,Fe)OHFeSe measured at temperatures from 2 to 25 K. The inset zooms in the MHL at 2 K to show the peak feature. (d) Magnetic field dependence of J_c calculated from the MHLs in (c). The J_c shows a local maximum $J_{c,max}$ in the temperature-dependent field at each given T , as marked by the arrows. The inset zooms in the $J_c(H)$ at 2 K to show its $J_{c,max}$.