

Structure, microstructure and magnetic investigation of hexagonal δ -FeSe nanophase produced by mechanochemical synthesis

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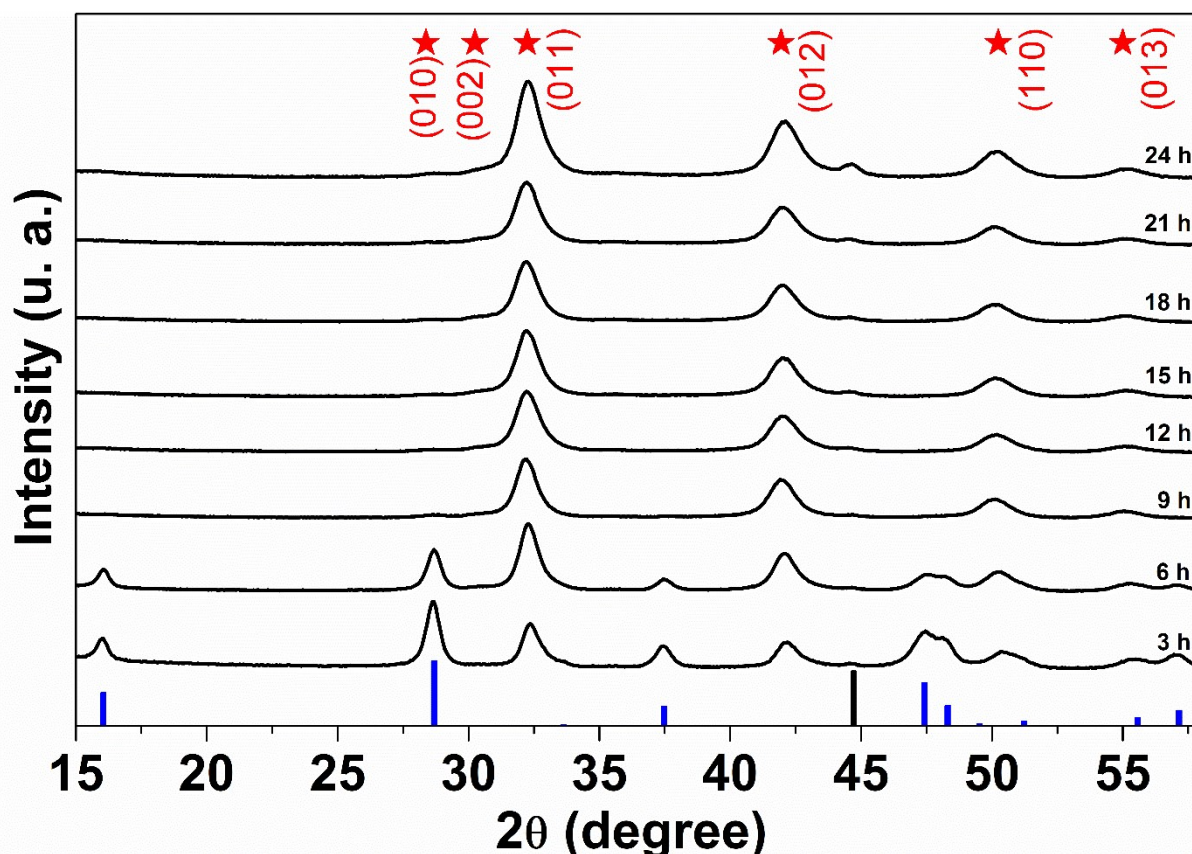


Fig. S1 (a) Experimental XRPD patterns (black lines) of the Fe₅₀Se₅₀ samples produced for different processing times aged 4 years. The blue and black bars represent the peak positions and relative intensity of β -FeSe (ICSD 169251) and cubic Fe (ICSD 53802), respectively. The red stars represent the peak positions of δ -FeSe (ICSD 53542).

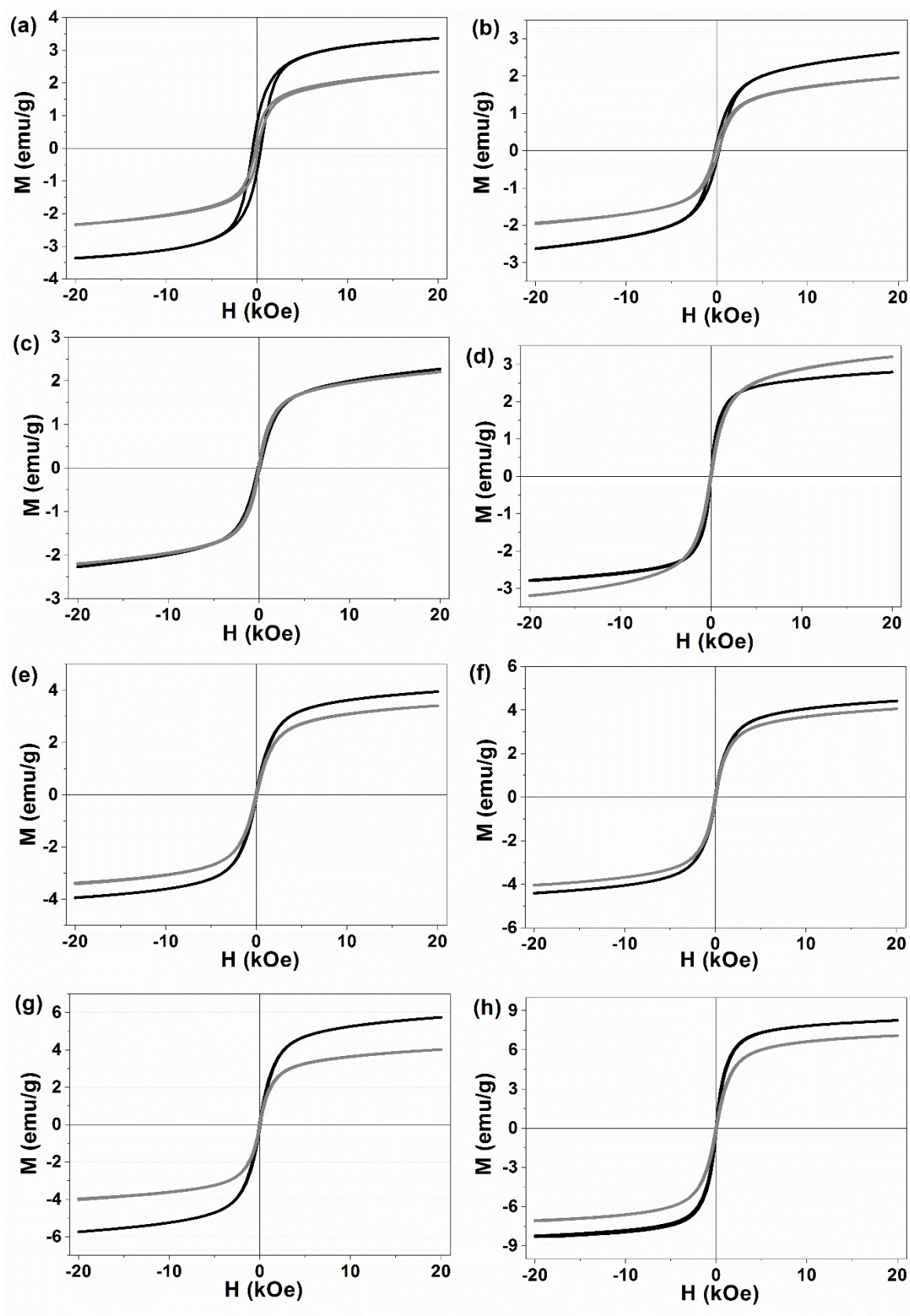


Fig. S2 VSM measurements of the $\text{Fe}_{50}\text{Se}_{50}$ samples milled for (a) 3 h (b) 6 h (c) 9 h (d) 12 h (e) 15 h (f) 18 h (g) 21 h and (h) 24 h. The black and gray curves represent the fresh and aged samples, respectively.