

Enhanced anomalous Hall effect in Fe nanocluster assembled thin films

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Supporting Display items

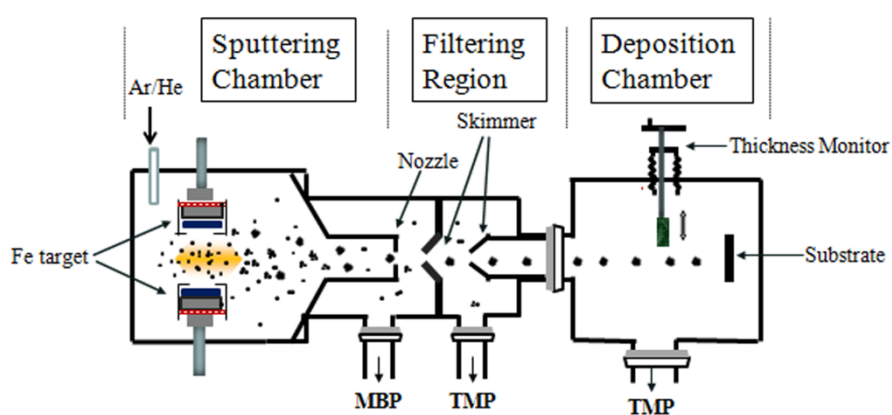


Figure S1. Schematic drawing of plasma-gas-condensation cluster deposition (PGCCD) system

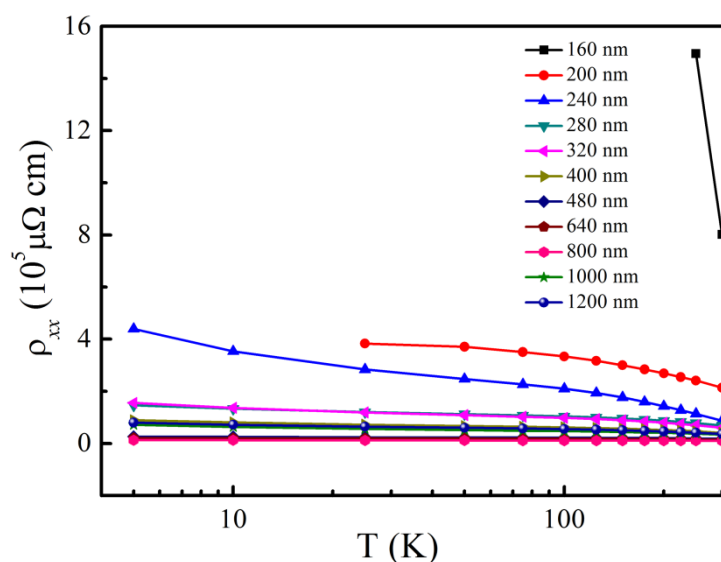


Figure S2. ρ_{xx} - $\log T$ curves of the Fe cluster-assembled films with different thicknesses.

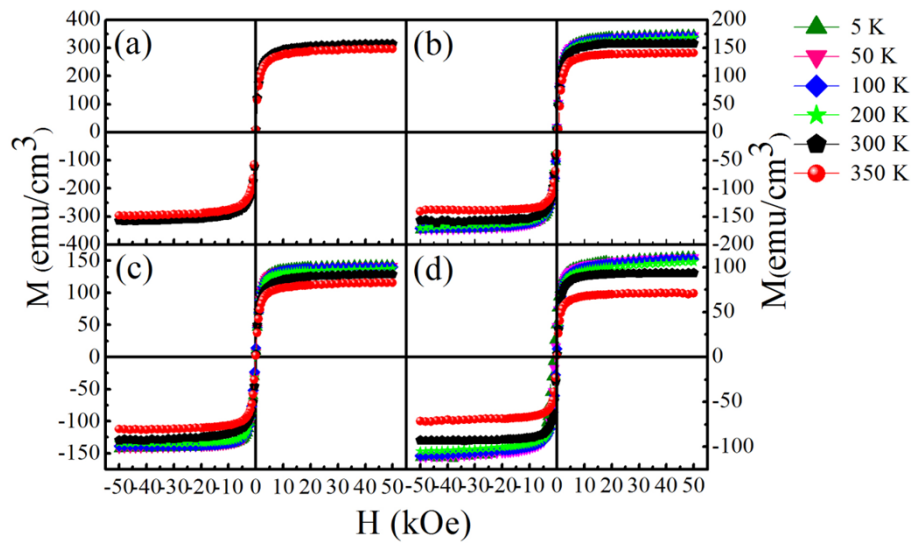


Figure S3. M - H curves of the Fe cluster-assembled films with different thickness measured at different temperature: (a) $t_a=160$ nm, (b) $t_a=400$ nm, (c) $t_a=640$ nm, (d) $t_a=1200$ nm.

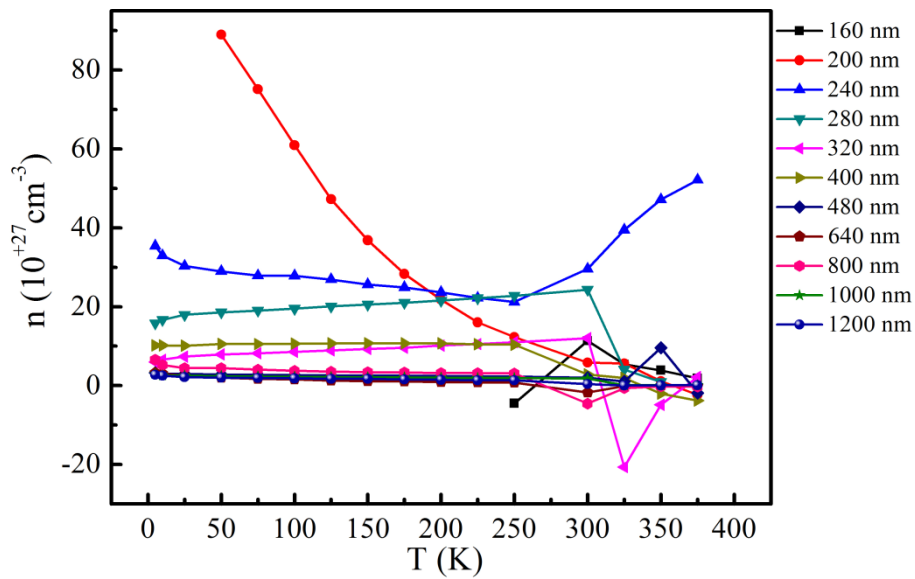


Figure S4. Carrier concentration (n) extracted from the ordinary Hall coefficient versus T at different thickness.

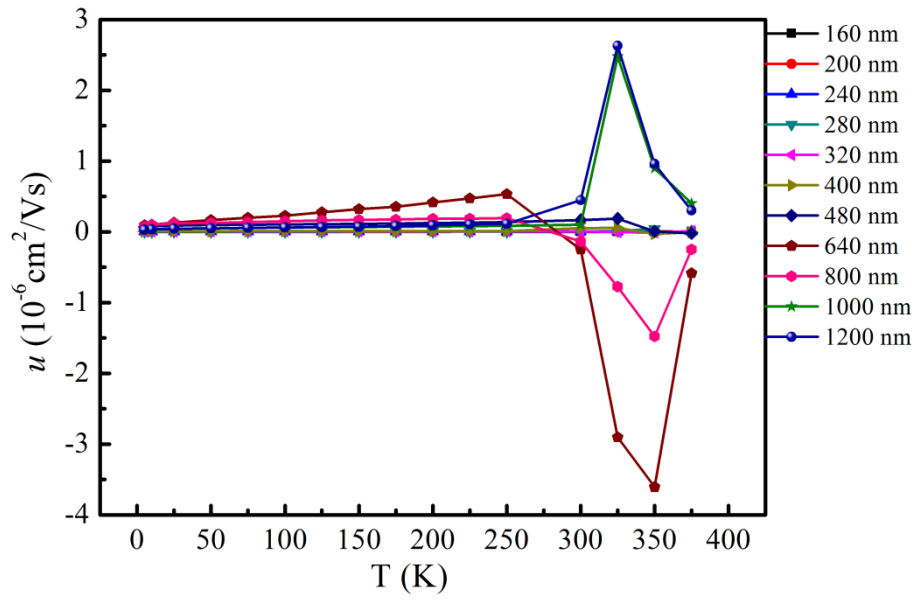


Figure S5. Carrier mobility (u) extracted from the ordinary Hall coefficient and the resistivity versus T at different thickness.