materials

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Supplementary Materials

Giant vertical magnetization shift caused by field-induced ferromagnetic spin reconfiguration in $Ni_{50}Mn_{36}Ga_{14}$ alloy

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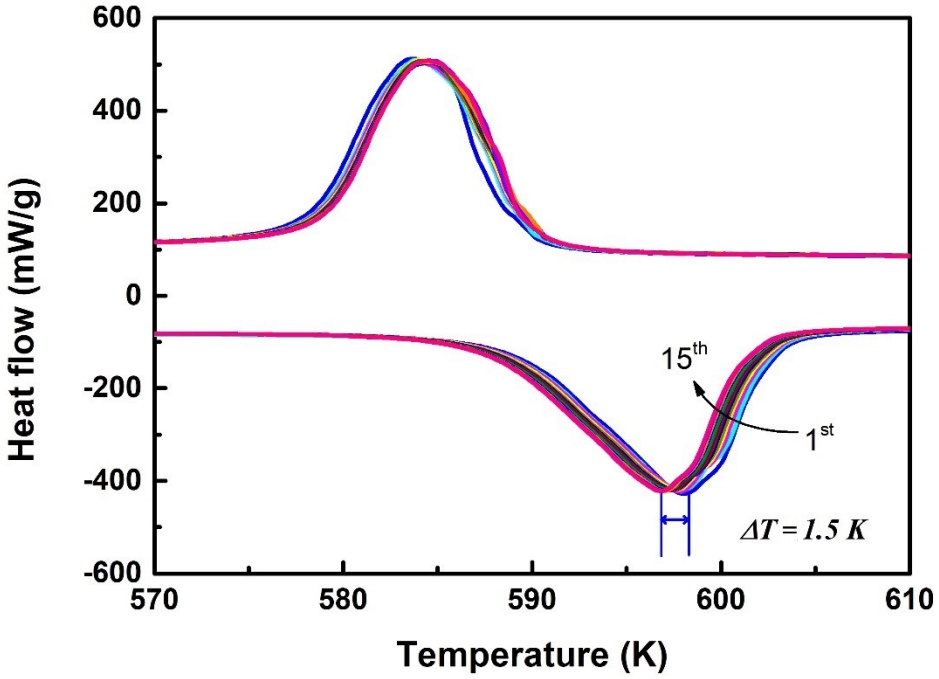


Figure S1. Fifteen cyclic DSC responses of $Ni_{50}Mn_{36}Ga_{14}$ alloy.

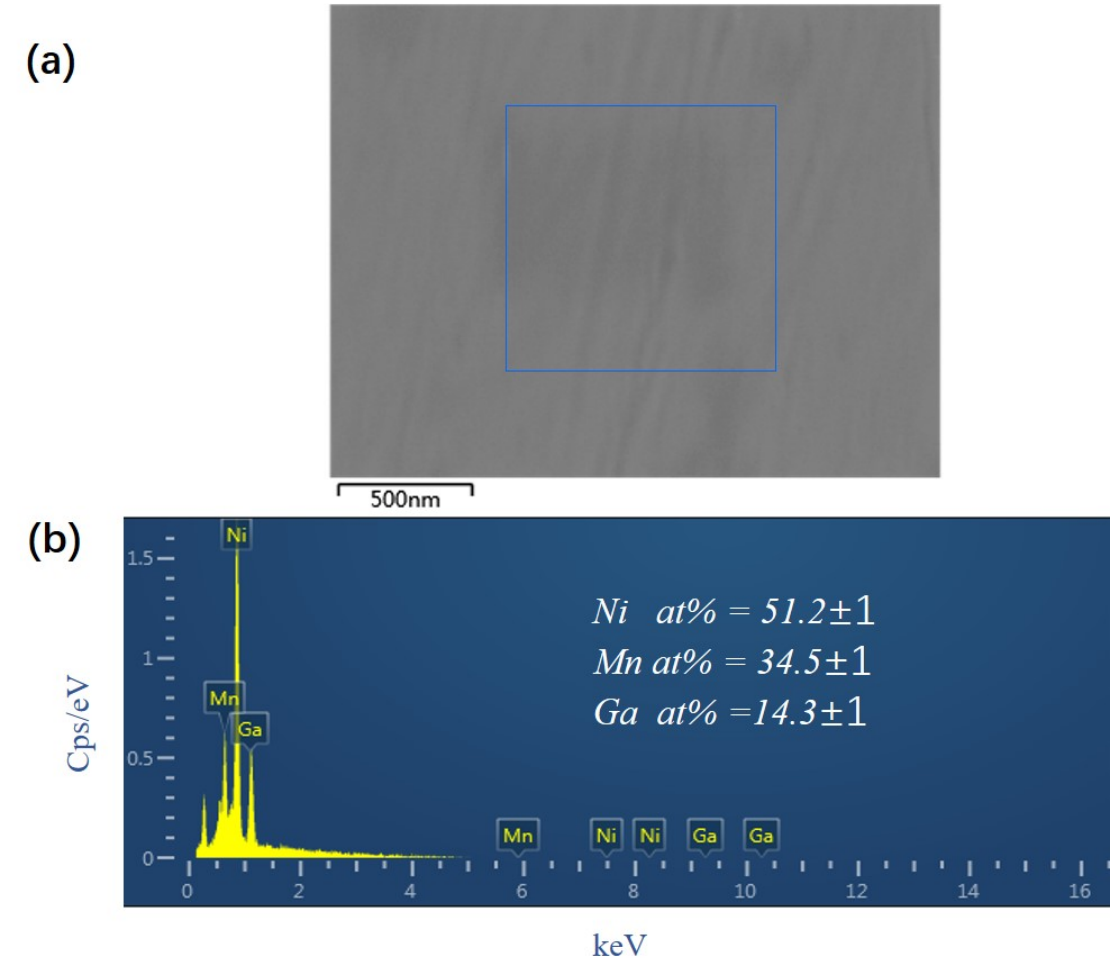


Figure S2. (**a**) The scanning electron microscopy image for $Ni_{50}Mn_{36}Ga_{14}$ alloy. (**b**) EDS analyzed the element ratio of the annealed alloy.

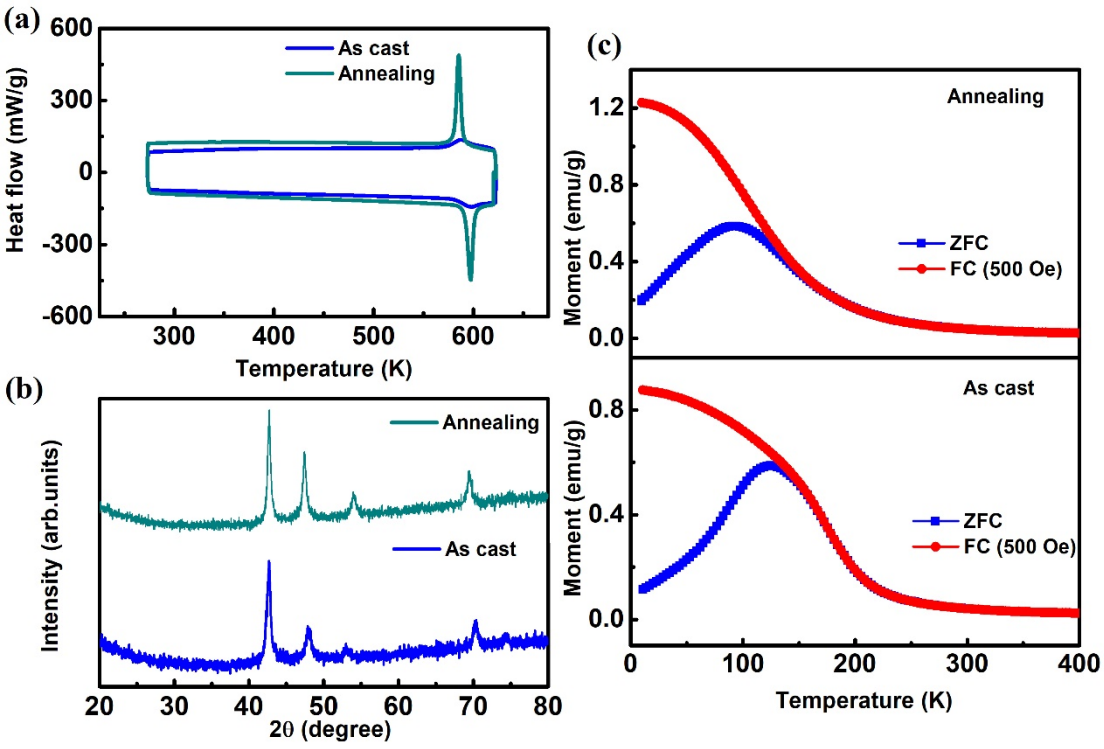


Figure S3. (**a**) Martensitic transformation behavior of alloy in the as-cast and annealed measured by DSC using a cooling/heating rate of 10 K/min. (**b**) XRD pattern of alloys at room temperature. (**c**) Temperature dependence of magnetization curves for alloys in the as-cast and annealed at the applied magnetic field of 500 Oe for ZFC and FC, respectively.

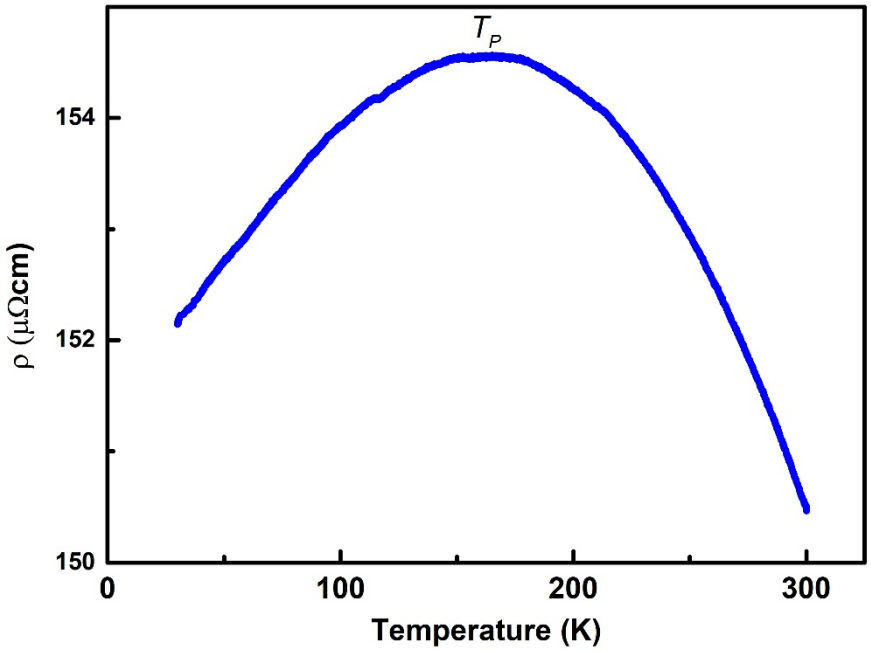


Figure S4. Temperature dependence of resistivity at zero field of alloy.

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