

Accepted Manuscript

Enhancement of current-perpendicular-to-plane giant magnetoresistive outputs by improving B2-order in polycrystalline $\text{Co}_2(\text{Mn}_{0.6}\text{Fe}_{0.4})\text{Ge}$ Heusler alloy films with the insertion of amorphous CoFeBTa underlayer

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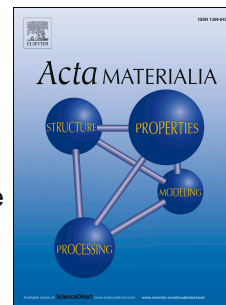
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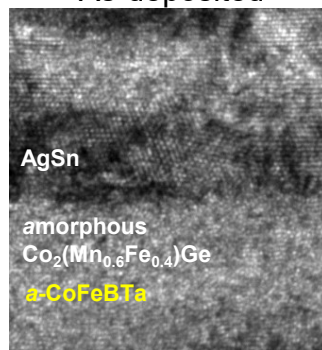
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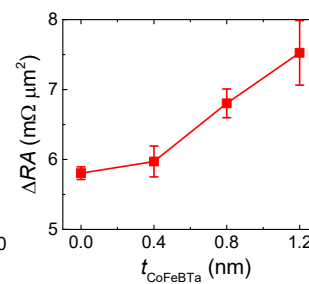
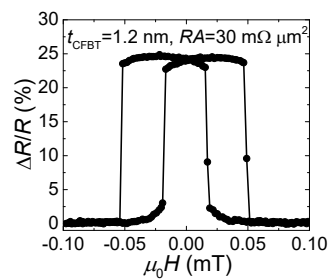
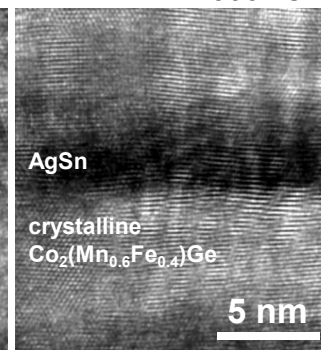


Ru (8 nm)
CoFe (1 nm)
Co ₂ (Mn _{0.6} Fe _{0.4})Ge (5 nm)
CoFe (0.4 nm)
AgSn (4 nm)
CoFe (0.4 nm)
Co ₂ (Mn _{0.6} Fe _{0.4})Ge (5 nm)
CoFeBTa
CoFe (1 nm)
Ru (2 nm)
Cu/Ta bottom lead

As-deposited



Annealed at 300 °C



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