

Polyol Derived Ni and NiFe Alloys for Effective Shielding of Electromagnetic Interference

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Supplementary Information

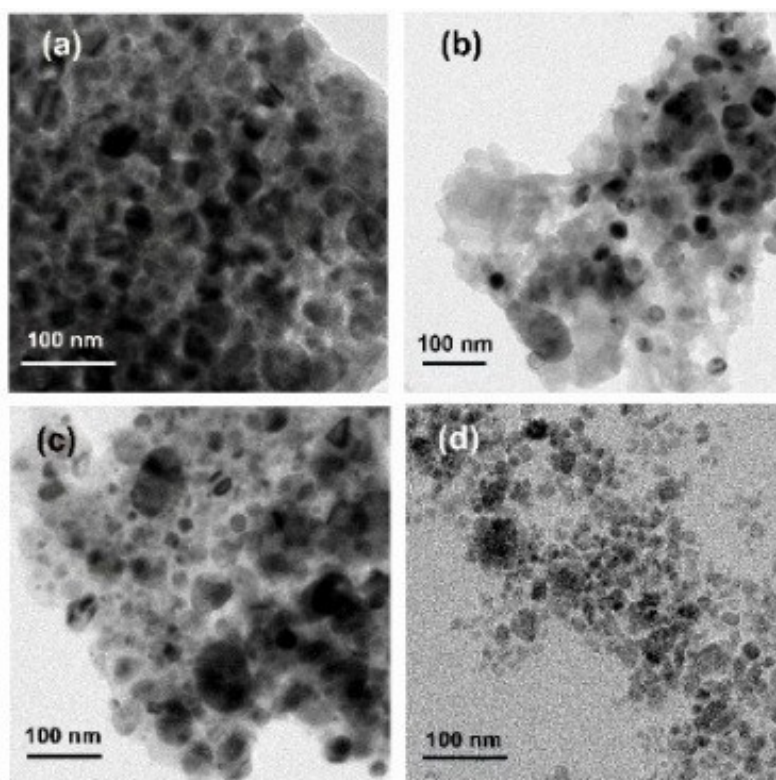


Fig S1: Low resolution TEM micrographs of (a) Ni (b) Ni₈₀Fe₂₀ (c) Ni₅₀Fe₅₀ and (d) Ni₂₀Fe₈₀.

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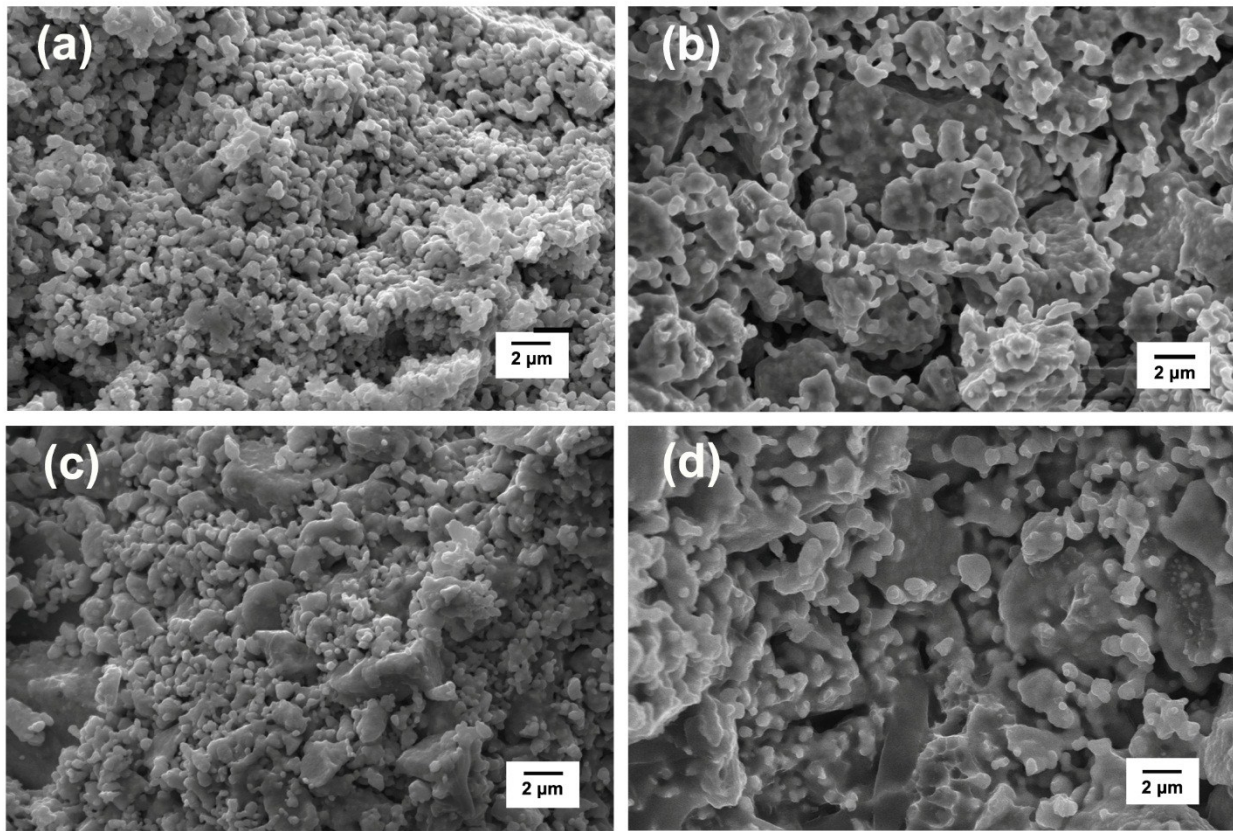


Fig S2: Low magnification SEM micrographs of fractured surface of (a) Ni (b) Ni₈₀Fe₂₀ (c) Ni₅₀Fe₅₀ and (d) Ni₂₀Fe₈₀.

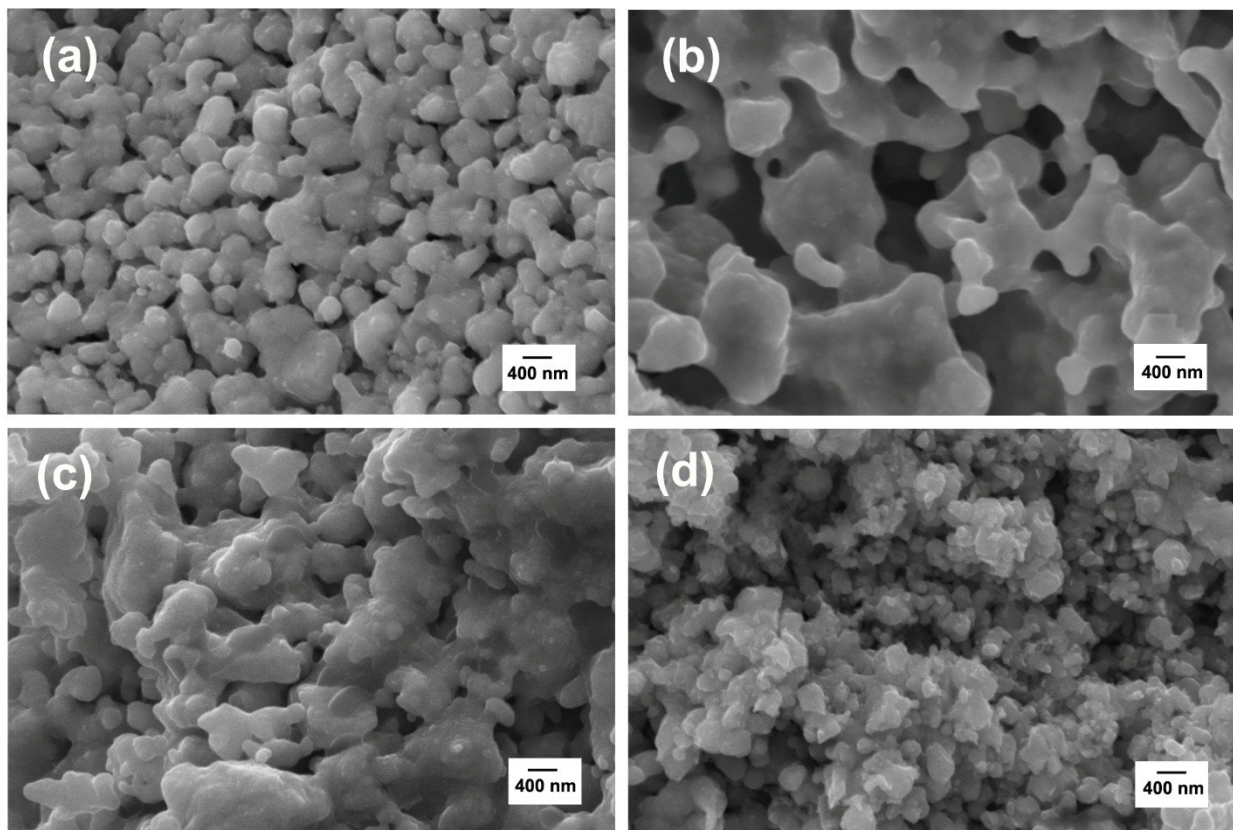


Fig S3: High magnification SEM micrographs of fractured surface of (a) Ni (b) $\text{Ni}_{80}\text{Fe}_{20}$ (c) $\text{Ni}_{50}\text{Fe}_{50}$ and (d) $\text{Ni}_{20}\text{Fe}_{80}$.

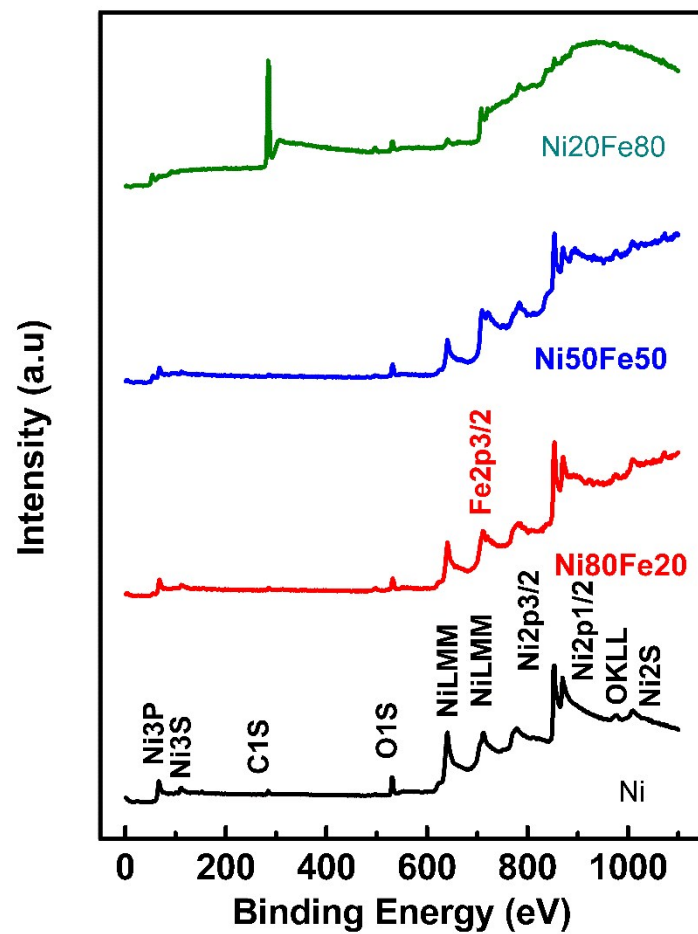


Fig S4: XPS survey spectrum of Ni, Ni₈₀Fe₂₀, Ni₅₀Fe₅₀ and Ni₂₀Fe₈₀.

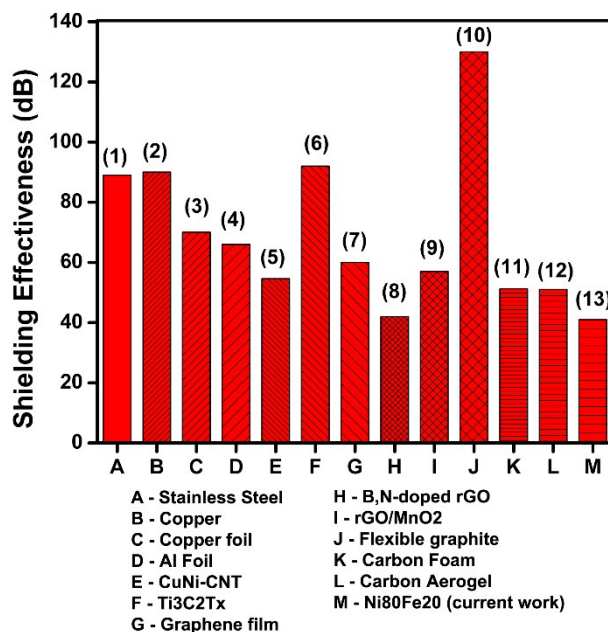


Fig S5: EMI shielding performance of various shielding materials.

References (Fig S5)

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- (13) Current work.