Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A

Supporting Information

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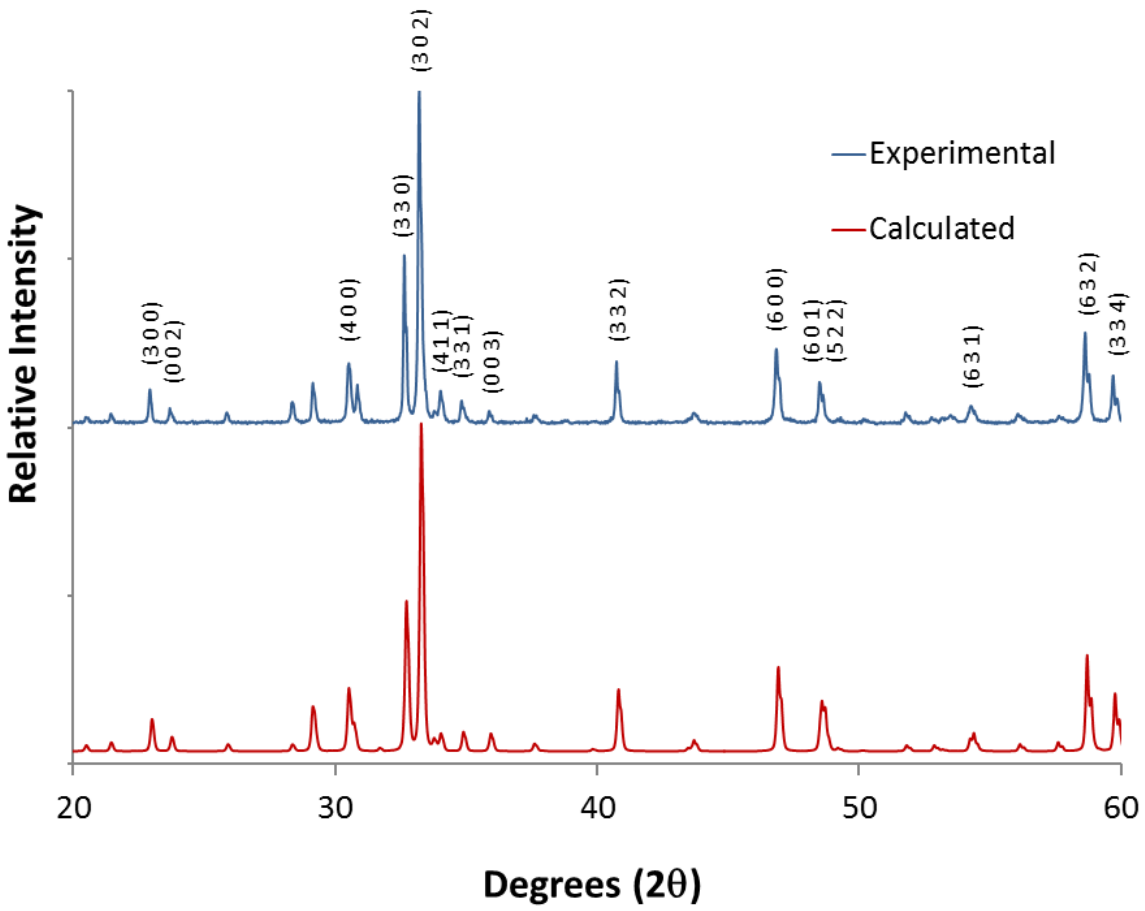
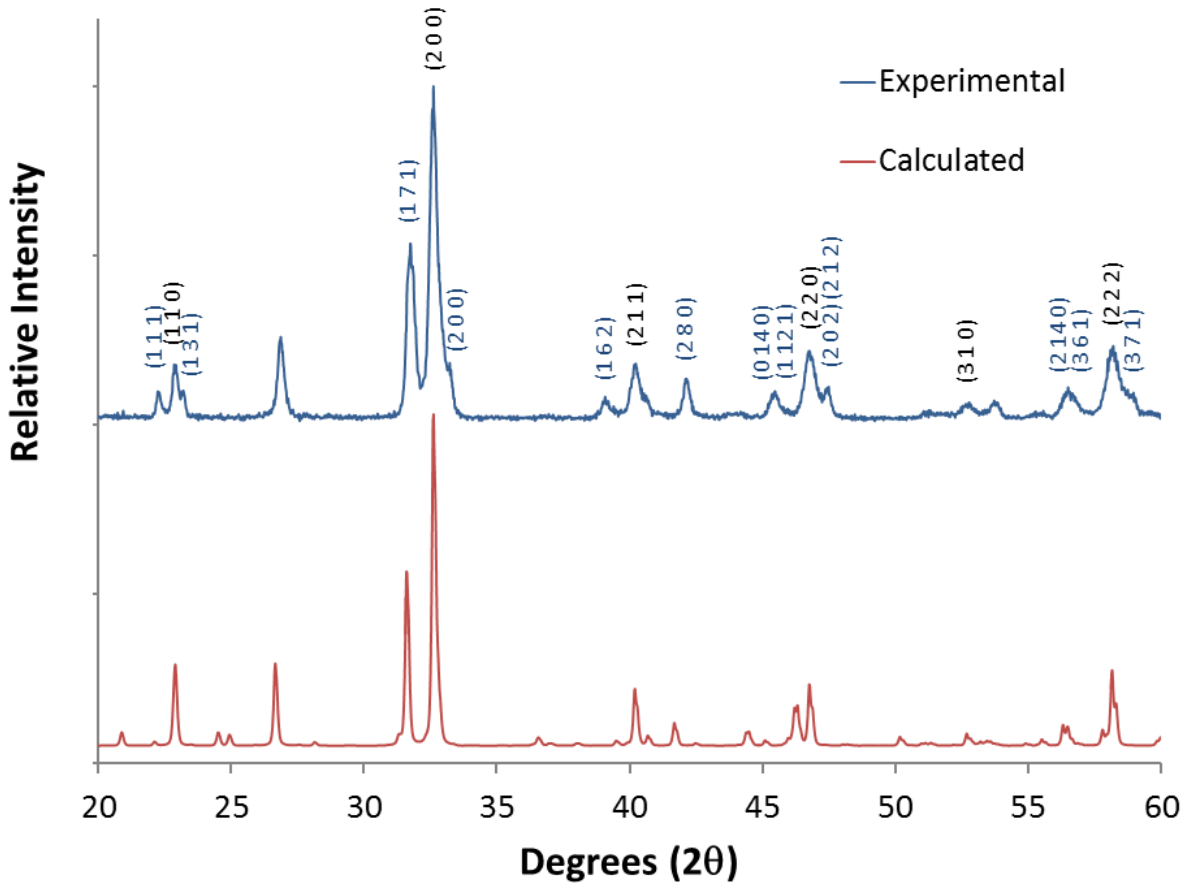
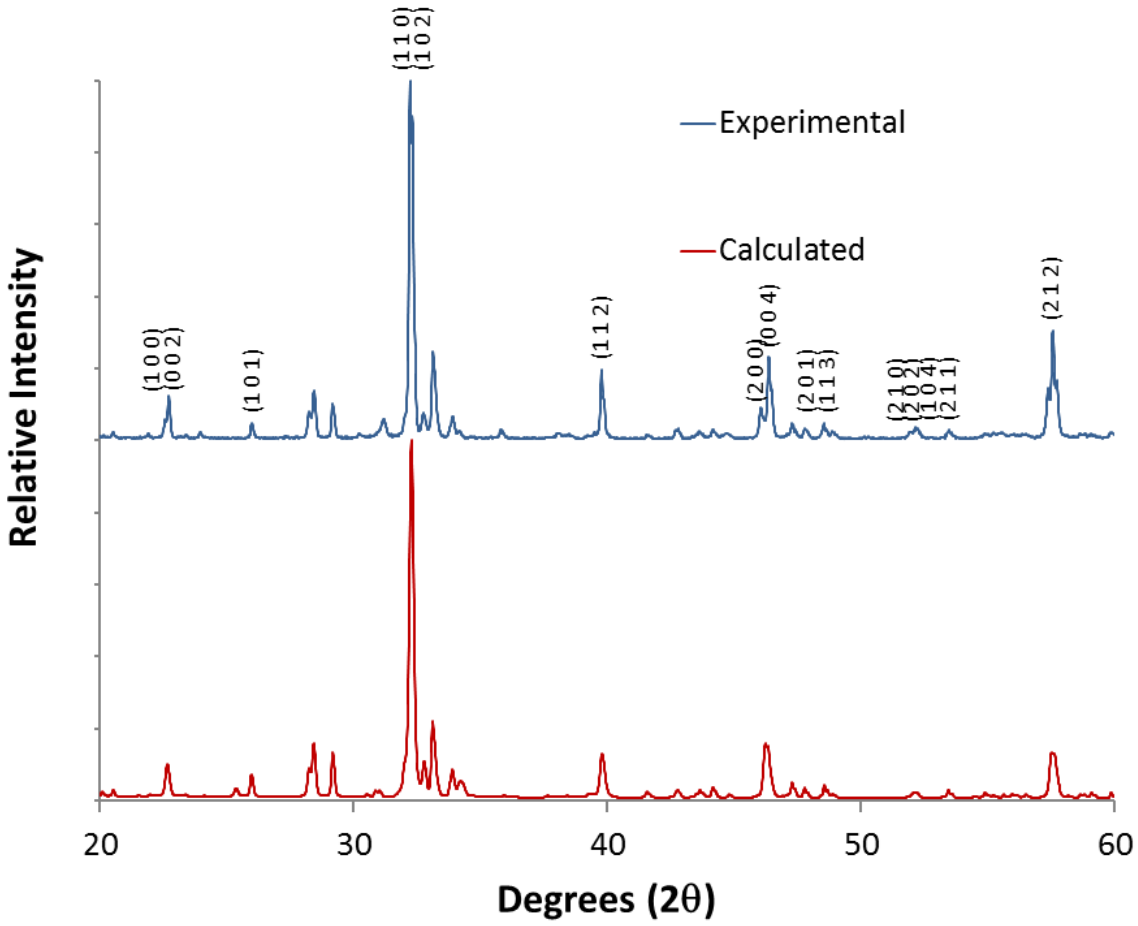
S1)



S2)



S3)



S4)

Phase	Space Group	Refined Lattice Parameters
$BaLaFe_2O_{5+\delta}$	P/4mmm	a = 3.931 Å b = 3.931 Å c = 7.849 Å α = 90° β = 90° γ = 90°
$Ba_2LaFe_3O_{7+\delta}$	Pm-3m	a = 3.993 Å b = 3.993 Å c = 3.993 Å α = 90° β = 90° γ = 90°
$BaYCo_2O_{5+\delta}$	P/4mmm	a = 3.871 Å b = 3.871 Å c = 7.495 Å α = 90° β = 90° γ = 90°
$BaLaCo_2O_{5+\delta}$	Pm-3m	a = 3.881 Å b = 3.881 Å c = 3.881 Å α = 90° β = 90° γ = 90°
$BaYFe_2O_{5+\delta}$	P/4mmm	a = 3.924 Å b = 3.924 Å c = 7.825 Å α = 90° β = 90° γ = 90°