Electronic Supplementary Information

Green synthesis of cobalt ferrite from rotten passion fruit juice and application as an electrocatalyst for the hydrogen evolution reaction

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Table S1. Titration of the passion fruit juice

	1	2	3	Average
V_{fruit}(mL)	10,00 ± 0,01	10,00 ± 0,01	10,00 ± 0,01	10,00 ± 0,01
V_{NaOH}(mL)	45,00 ± 0,01	44,00 ± 0,01	46,00 ± 0,01	45,00 ± 0,01

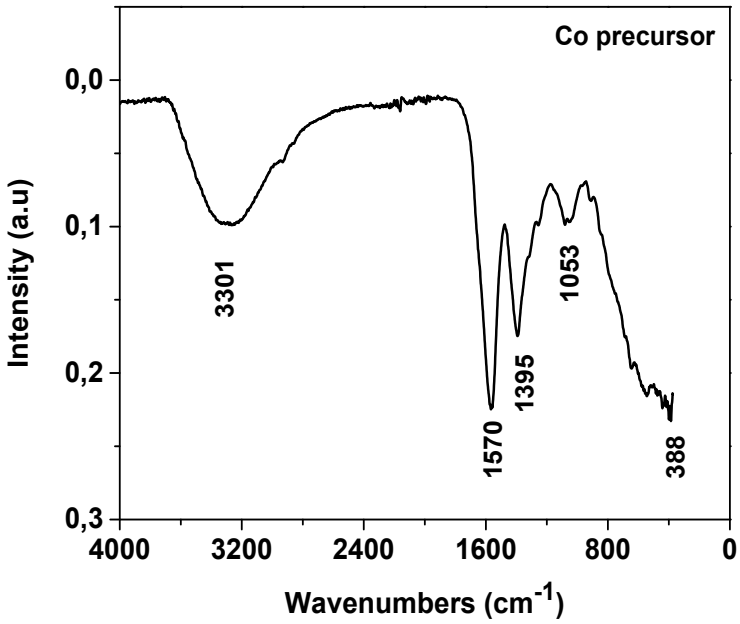

Figure S1. FTIR of Co precursor

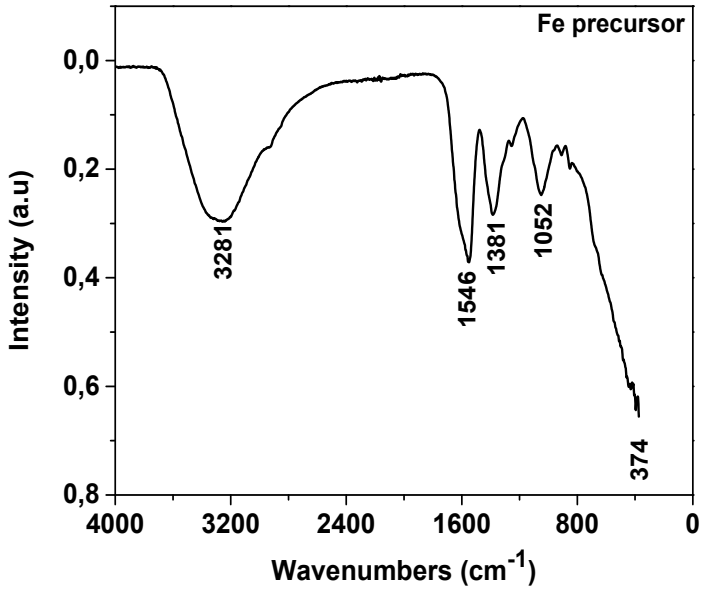

Figure S2. FTIR of Fe precursor

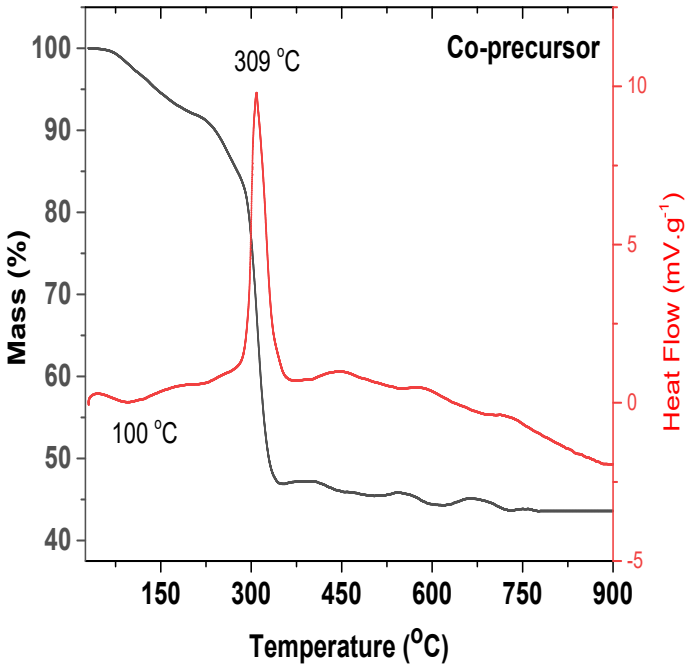

Figure S3. Thermogravimetric analysis of Co precursor

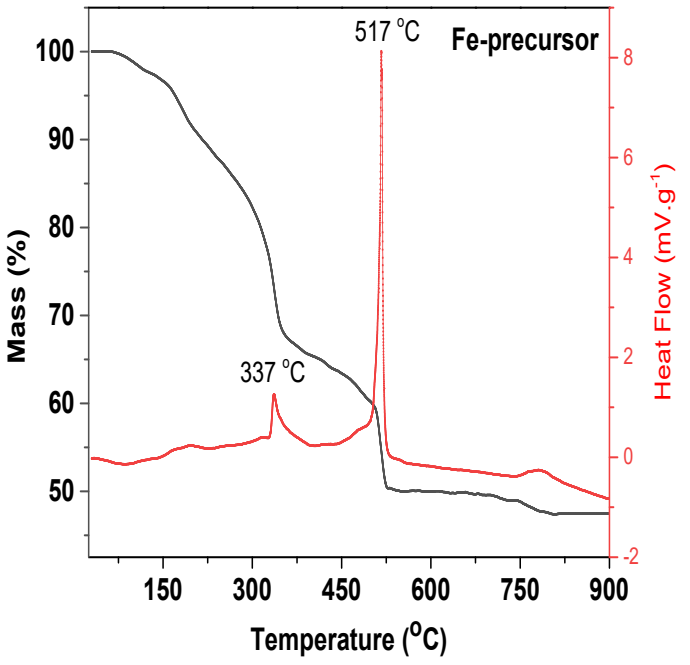

Figure S4. Thermogravimetric analysis of Fe precursor

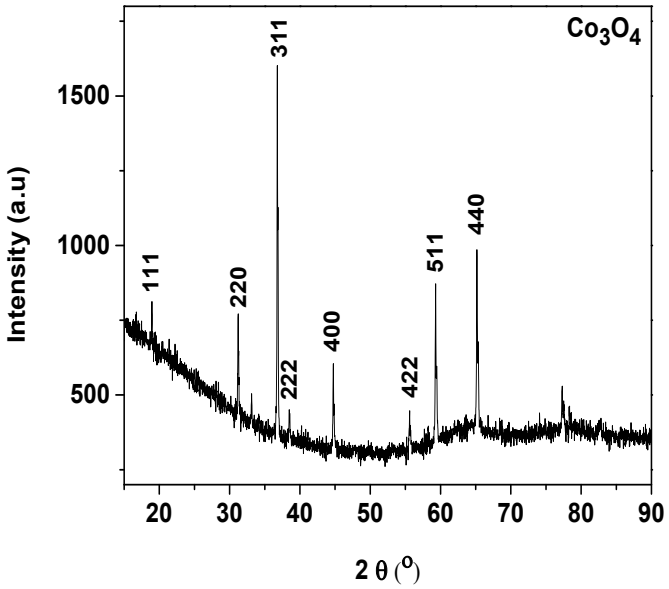

Figure S5. X-ray powder diffraction pattern of the residue from the thermal decomposition of the Co precursor

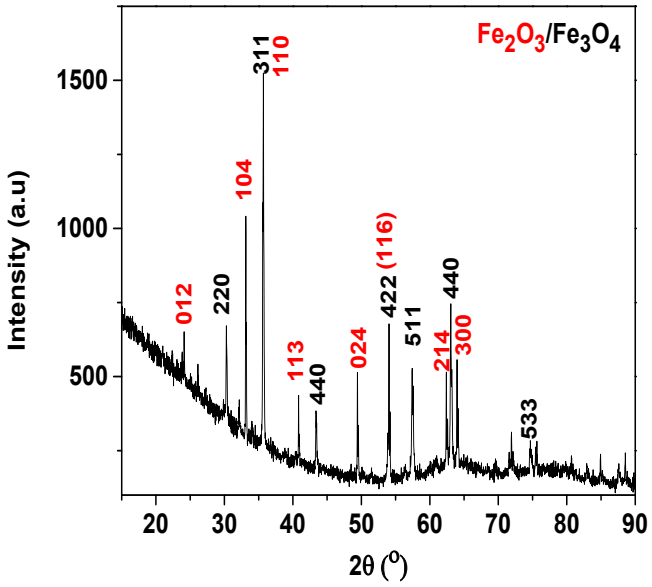

Figure S6. X-ray powder diffraction pattern of the residue from the thermal decomposition of the Fe precursor

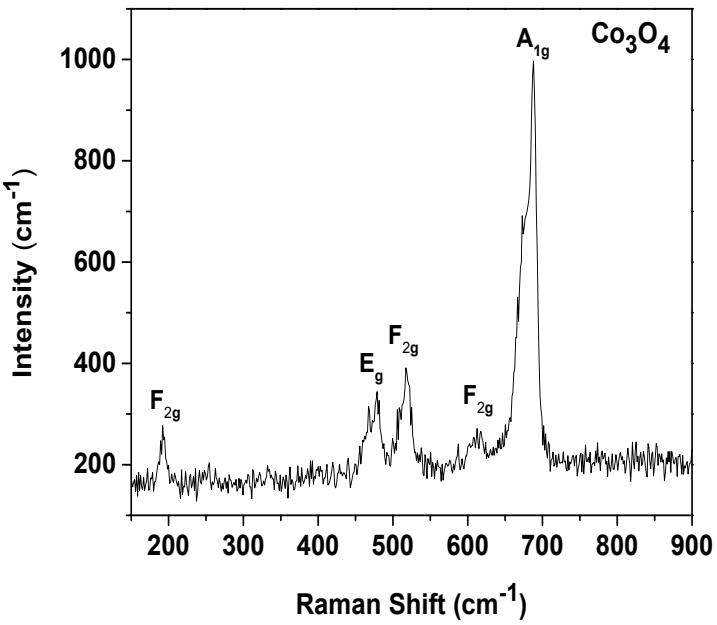

Figure S7. Experimental Raman analysis of the residue from the thermal decomposition of the Co precursor

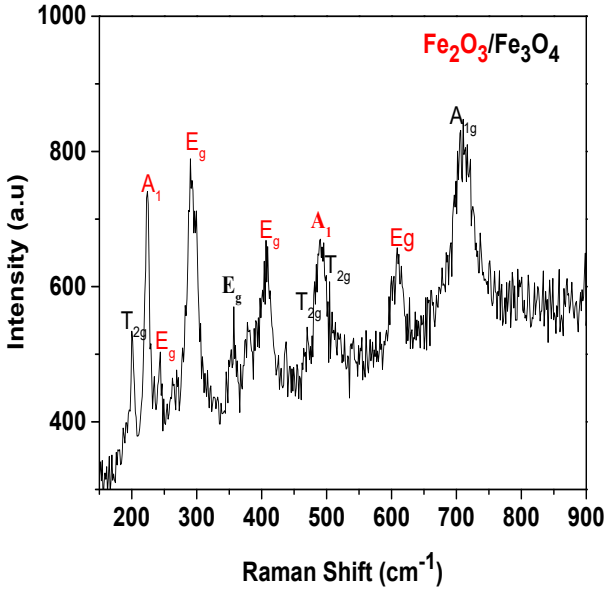

Figure S8. Experimental Raman analysis of the residue from the thermal decomposition of the Fe precursor

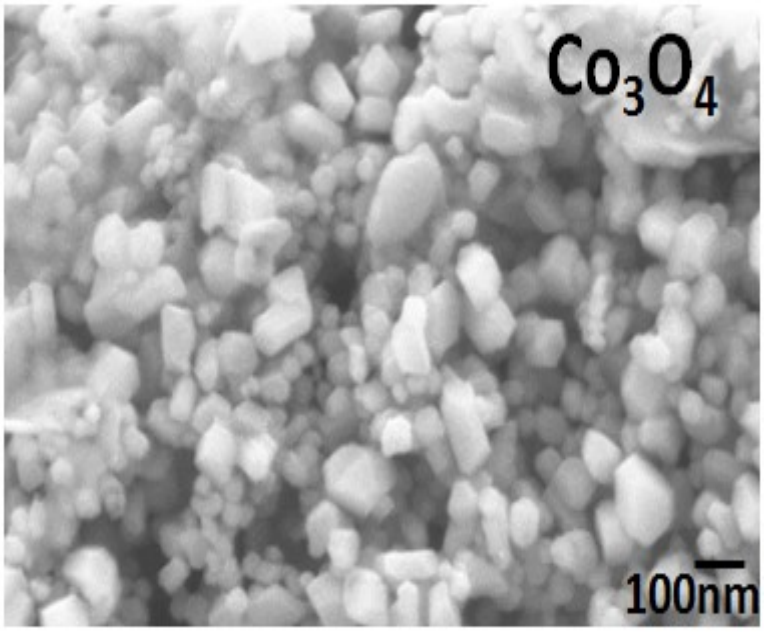

Figure S9. SEM image of the Co_3O_4 on a reduced scale ~ 100nm

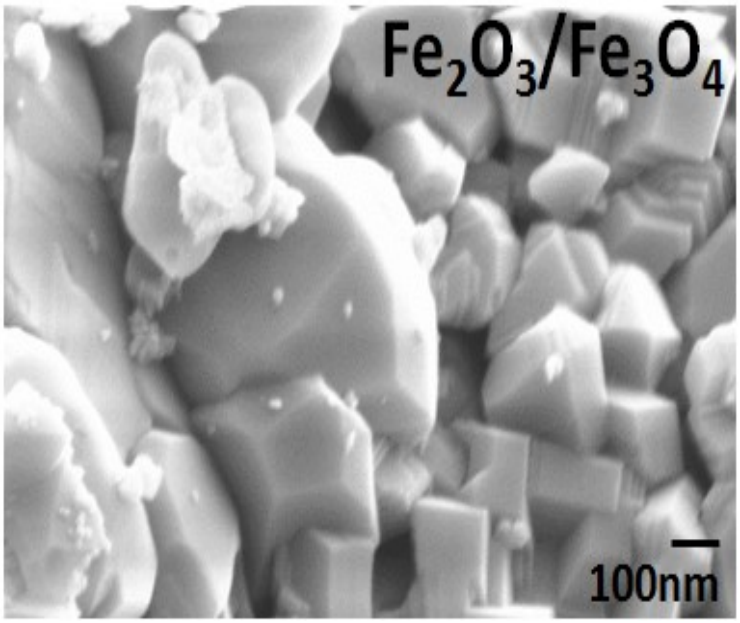

Figure S10. SEM image of the Fe_2O_3/Fe_3O_4 on a reduced scale ~ 100nm

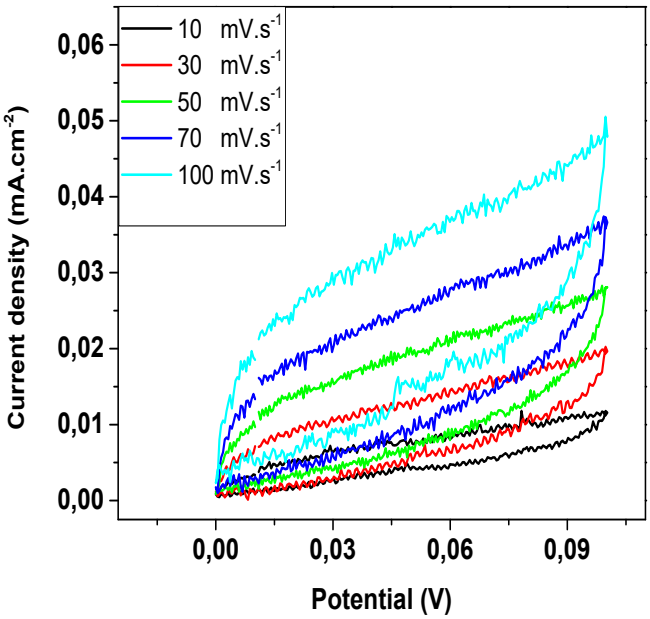

Figure S11. Cyclic voltametric curves of $CoFe_2O_4$ at different scanning speeds