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Hematite iron oxide nanorod patterning inside COK-12 mesochannels as an efficient visible light photocatalyst

Lik H. Wee,[*†] *Maria Meledina,*[‡] *Stuart Turner,*[‡] *Kristof Custers,*[†] *Stef Kerkhofs,*[†] *Gustaaf Van Tendeloo,*[‡] *Johan A. Martens*[†]

[†]Centre for Surface Chemistry and Catalysis, KU Leuven, Celestijnenlaan 200f, B3001, Heverlee, Belgium, and[‡]Electron Microscopy for Materials Science, University of Antwerp, Groenenborgerlaan 171, B2020, Antwerp, Belgium

[*]likhong.wee@biw.kuleuven.be

Table S1. Physicochemical properties of COK-12 and α-Fe_2O_3@COK-12.

Samples	d_{10}[a] (nm)	a[b] (nm)	BET surface area (cm^2/g)	Langmuir surface area (cm^2/g)	Pore volume (cm^3/g)	Pore diameter[c] (nm)
COK-12	9.28	10.7	478	546	0.32	4.9
α-Fe_2O_3@COK-12	9.19	10.6	411	463	0.29	4.9

[a]d_{10} spacing of calcined material determined from SAXS; [b]unit cell parameter calculated from SAXS; [c]pore diameter determined from BJH method

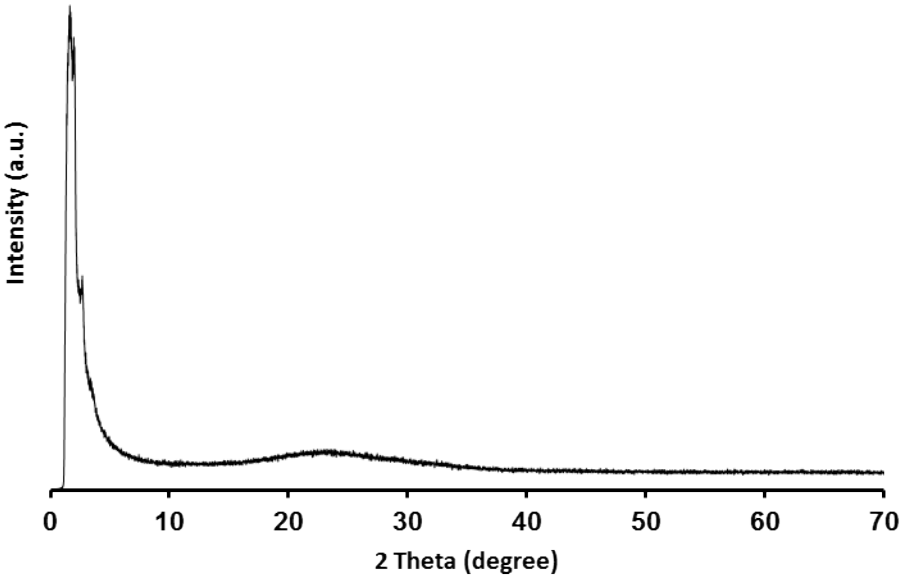

Figure S1. XRD pattern of α-Fe_2O_3@COK-12