## **Supporting information**



Fig. S1 Wide-angle XRD patterns of SBA-15, SIL and SIL-CuFe



Fig. S2 TG curve of SIL-CuFe sample





Fig. S4 Elemental mapping of SIL-CuFe



Fig. S5 GC and MS chromatograms of the products



Fig. S6 catalytic performance versus amount of  $\rm H_2O_2$  and reaction time at 80  $^{\rm o}\rm C$ 





Fig. S8 wide-angle XRD patterns of fresh and used catalyst



Table ST The results of ICF method			
Elements	Conc (ppm	Content of metals	Fe:Cu
	)	(mmol/g)	
Fe	0.563	0.102	18.8/1
Cu	0.034	0.005	
Fe	1.583	0.285	28.5/1
Cu	0.0632	0.010	
Fe	0.484	0.087	29.1/1
Cu	0.019	0.003	
Fe	1.529	0.276	35.8/1
Cu	0.049	0.008	
Fe	1.239	0.223	58.7/1
Cu	0.024	0.004	

 Table S1 The results of ICP method