Solid-oxide Fe-air rechargeable battery using Fe-Ce(Mn,Fe)O₂ for low temperature operation

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Schematic of the Fe-air rechargeable battery

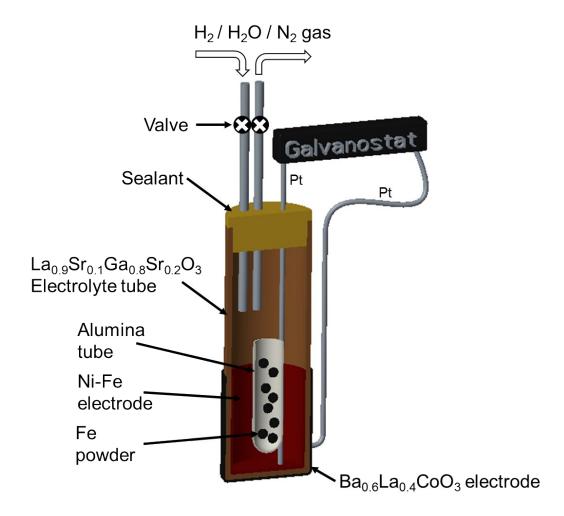


Fig. S1 Schematic of the Fe–air rechargeable battery with tubular La0.9Sr0.1Ga0.8Mg0.2O3 as the electrolyte.

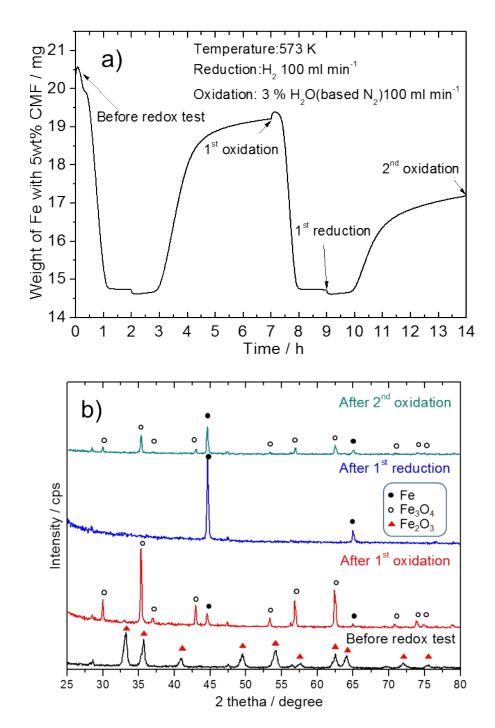


Fig. S2 a) 2th redox cycle curves of Fe powder with 5 wt% CMF Catalyst at 573 K. b) XRD patterns of the Fe-5wt%CMF before redox cycles, after 1st oxidation,1st reduction, 2nd oxidation.

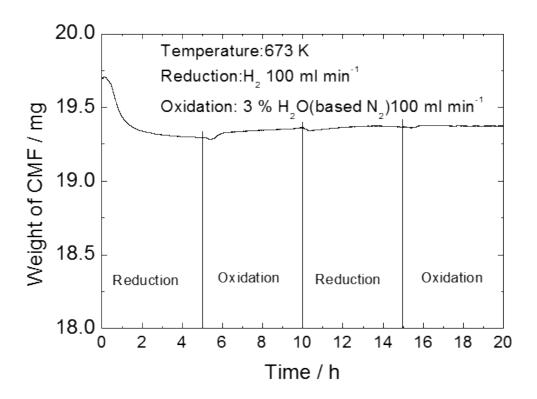


Fig. S3 Weight of CMF powder on redox behavior at 673 K.