

Supporting information for

Optimize spinel metal oxide-based low-temperature thermochemical cycles for water splitting and CO₂ reduction

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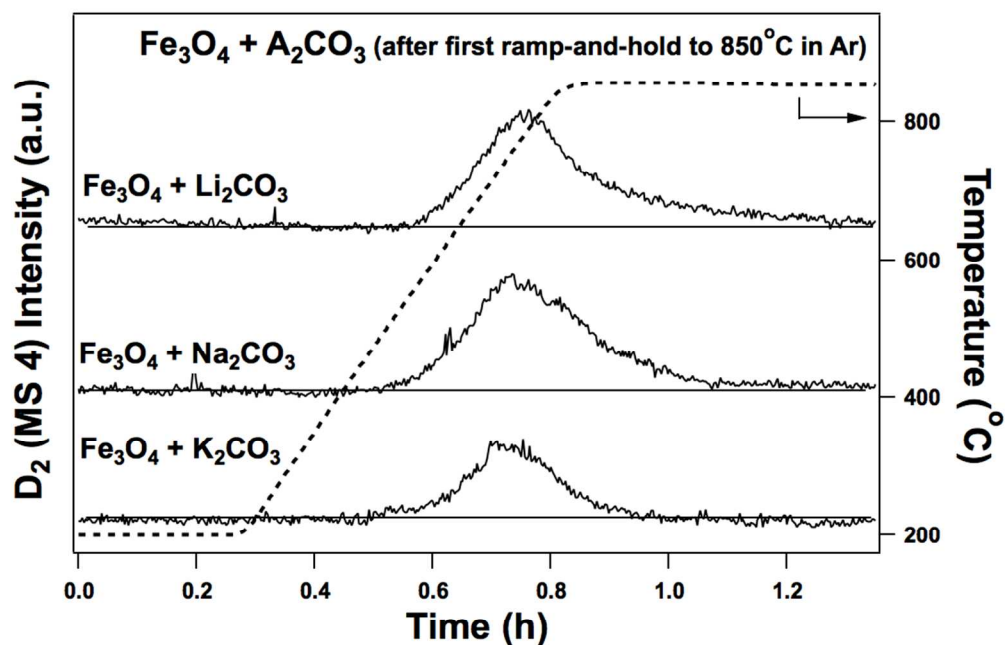


Figure S1. Fe_3O_4/Li_2CO_3 , Fe_3O_4/Na_2CO_3 and Fe_3O_4/K_2CO_3 were first subject to a temperature ramp-and-hold to 850°C in Ar, and were then cooled to 200°C. A second temperature ramp-and-hold to 850°C was conducted in D_2O/Ar (5%/95%), with the top, middle and bottom traces corresponding to the starting materials of Fe_3O_4/Li_2CO_3 , Fe_3O_4/Na_2CO_3 and Fe_3O_4/K_2CO_3 , respectively.