

Supporting information for

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

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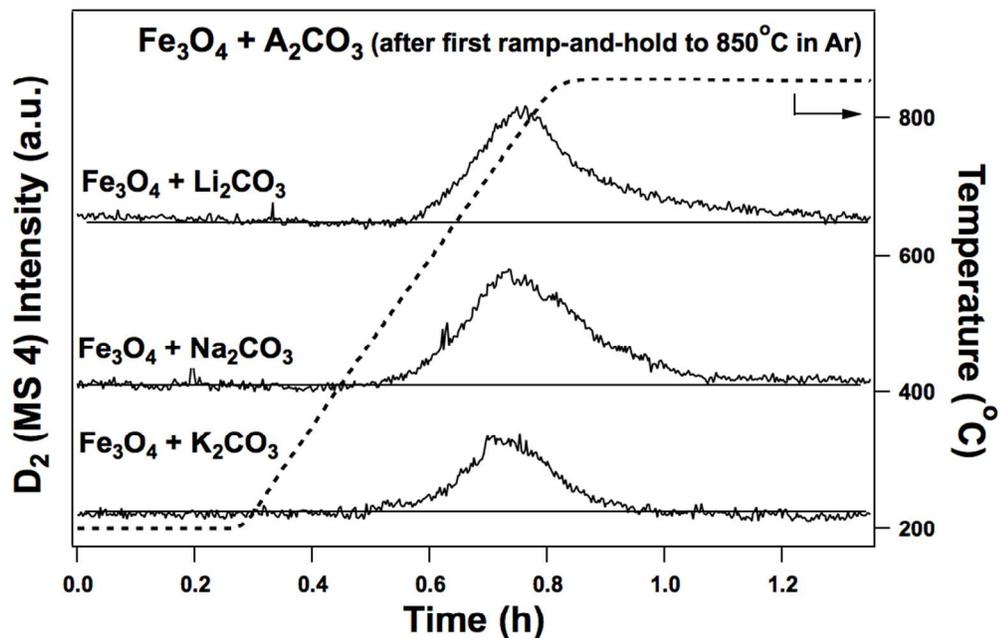


Figure S1. Fe₃O₄/Li₂CO₃, Fe₃O₄/Na₂CO₃ and Fe₃O₄/K₂CO₃ were first subject to a temperature ramp-and-hold to 850°C in Ar, and were then cooled to 200°C. A second temperature ramp-and-hold to 850°C was conducted in D₂O/Ar (5%/95%), with the top, middle and bottom traces corresponding to the starting materials of Fe₃O₄/Li₂CO₃, Fe₃O₄/Na₂CO₃ and Fe₃O₄/K₂CO₃, respectively.