

Addendum: Activating lattice oxygen redox reactions in metal oxides to catalyse oxygen evolution

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In our Article we reported direct experimental evidence for the involvement of lattice oxygen redox chemistry in the perovskite-catalysed oxygen evolution reaction (OER). We would like to cite an Article¹ that was published prior to ours that readers should be aware of. The Article reports the OER activities of a series of cobaltite perovskites ($\text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$), and its authors rationalize the high activities for materials with $x > 0.4$ through the participation of lattice oxygen in the OER mechanism, a hypothesis that is supported by density functional theory.

References

1. Mefford, J. T. *et al.* Water electrolysis on $\text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$ perovskite electrocatalysts. *Nat. Commun.* **7**, 11053 (2016).