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# Electrical and structural engineering of cobalt selenide nanosheets by Mn modulation for efficient oxygen evolution

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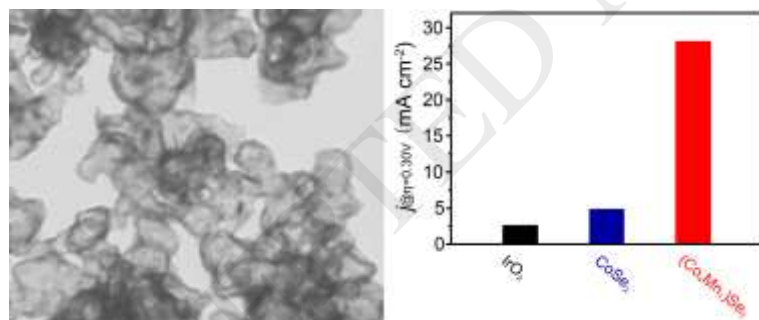
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## Graphical abstract



## Highlights

- Cobalt selenide modulated by Mn cations were synthesized via a facile method.
- Atomic disorder and electronic structures were engineered by Mn modulation.
- Intrinsic electrical conductivity was simultaneously tuned by Mn modulation.
- The systematically tuned CoMn selenide nanosheets exhibited high OER activity.
- Evolution of catalysts during OER was monitored to identify the origin of activity.

## Abstract

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