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More active sites exposed few-layer MoSe<sub>2</sub> supported on nitrogen-doped carbon as highly efficient and durable electrocatalysts for water splitting

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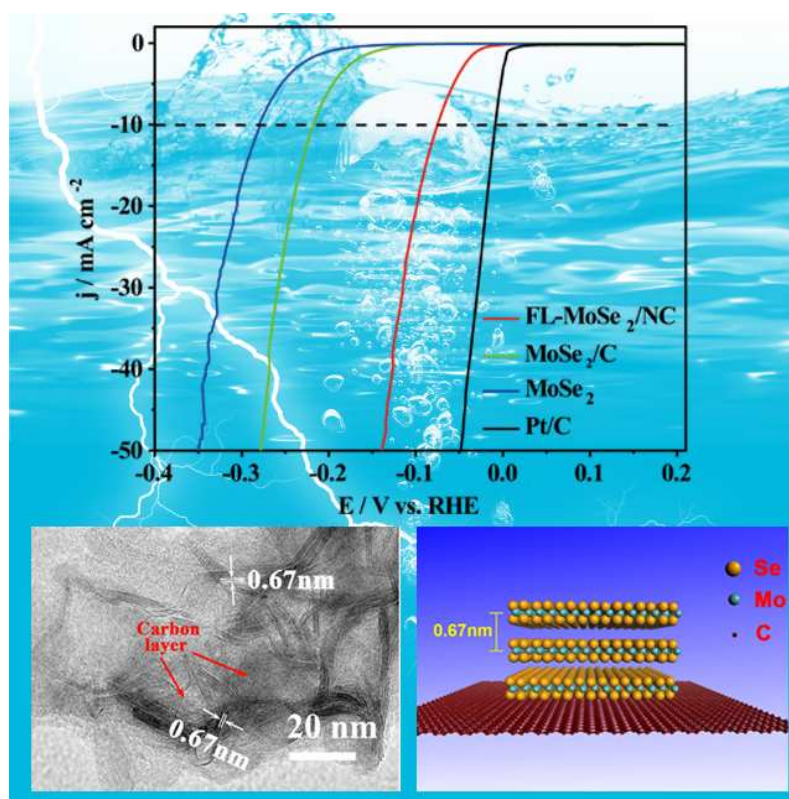
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## Graphical Abstract



Nitrogen-doped carbon supported fewer-layer MoSe<sub>2</sub> (FL-MoSe<sub>2</sub>/NC) is demonstrated to be an efficient catalyst for the HER. The NC plays an important role in the high performance of the FL-MoSe<sub>2</sub>/NC. It facilitates the formation of MoSe<sub>2</sub> with few layers and shorter lattice fringe lengths and the exposure of more active sites to the HER.

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