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More active sites exposed few-layer $MoSe_2$ supported on nitrogen-doped carbon as highly efficient and durable electrocatalysts for water splitting

Zhong-Jie Jiang, Guiting Xie, Binglu Deng, Zhongqing Jiang

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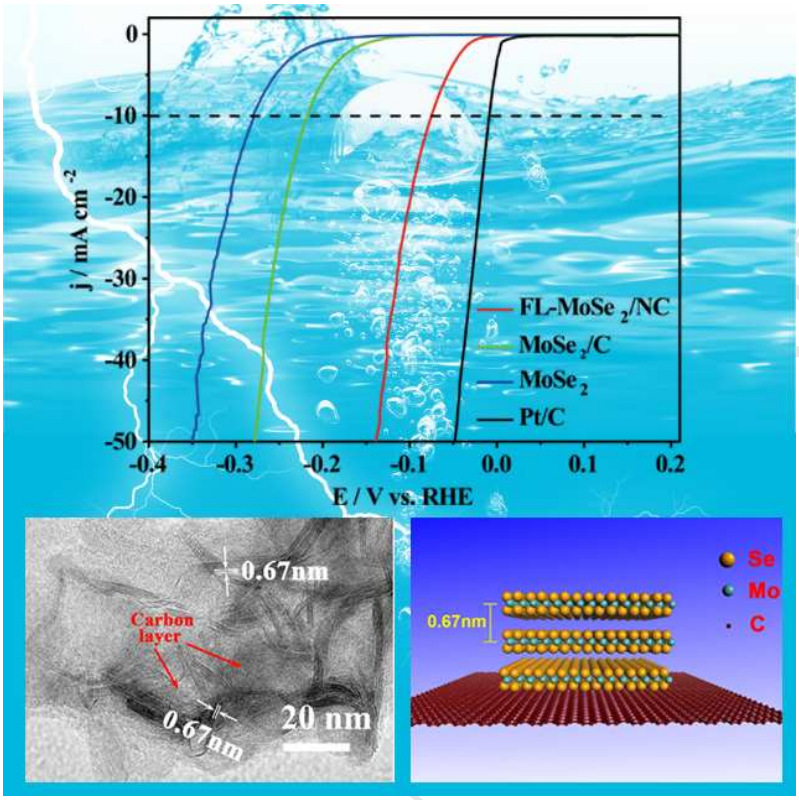
Graphical Abstract



Nitrogen-doped carbon supported fewer-layer $MoSe_2$ (FL-$MoSe_2$/NC) is demonstrated to be an efficient catalyst for the HER. The NC plays an important role in the high performance of the FL-$MoSe_2$/NC. It facilitates the formation of $MoSe_2$ with few layers and shorter lattice fringe lengths and the exposure of more active sites to the HER.