

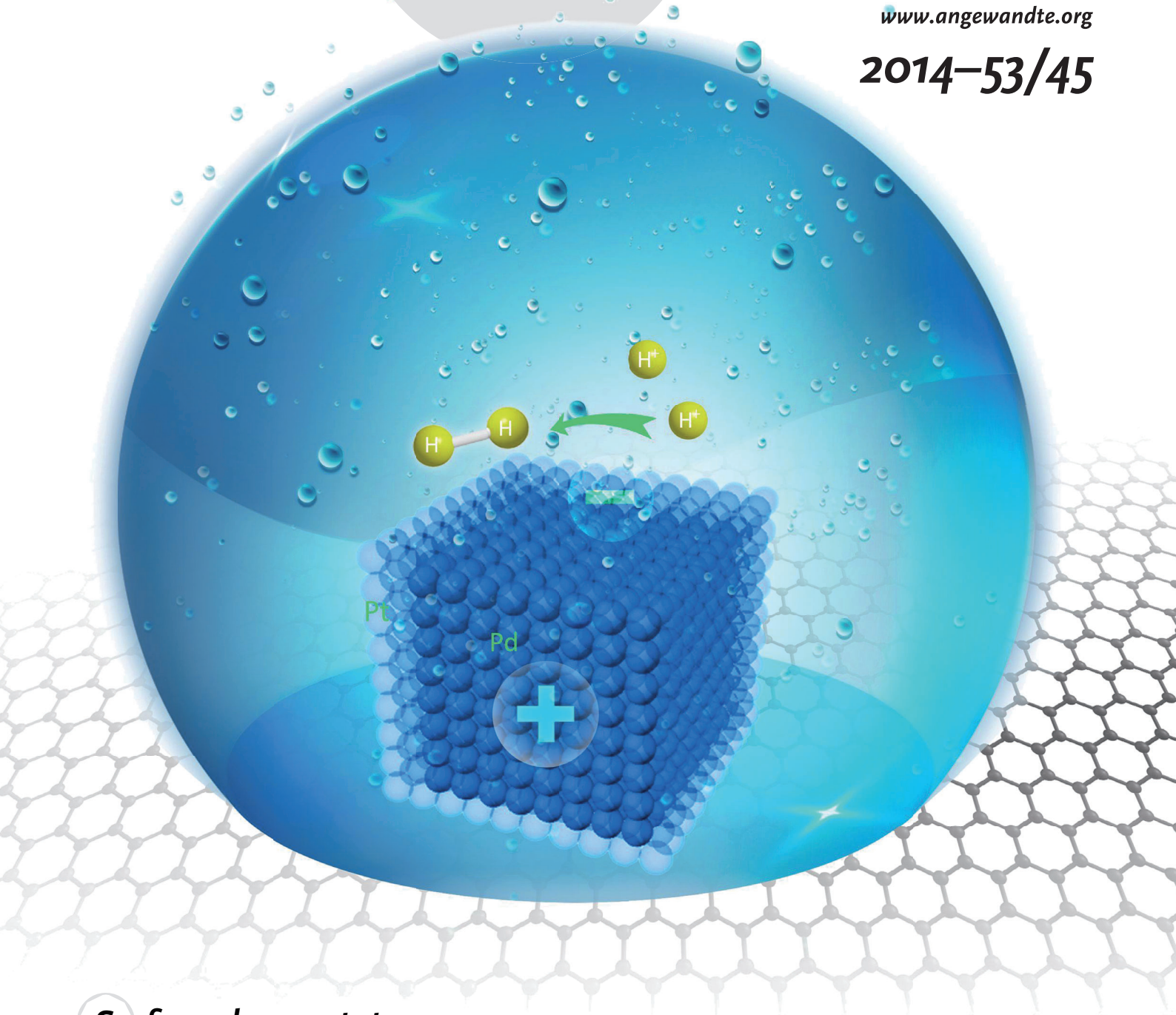
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## Surface charge states ...

... play an important role in tuning the catalytic performance of nanocrystals in various reactions. In their Communication on page 12120 ff., Y. Xiong and co-workers demonstrate that the surface polarization effect can be induced on Pt surfaces of Pt–Pd–graphene stack structures as long as the Pt surface thickness is shrunk to a few layers. As the thickness of the Pt layer decreases, the surface polarization boosts the hydrogen evolution reaction activity, opening the possibility to use lower amounts of Pt.

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