

Supplementary Information

Biomass-derived Advanced Carbon-based Electrocatalysts for Oxygen Reduction Reaction

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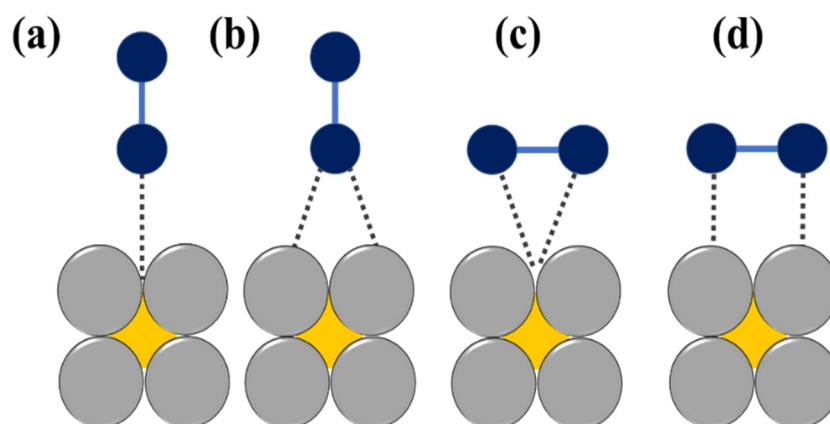


Figure S1. The schematic illustration of various modes of O₂ adsorption on catalyst surfaces: a, on top end-on; b, bridge end-on; c, bridge side-on one site; and d, bridge side-on two sites, adapted from [1].

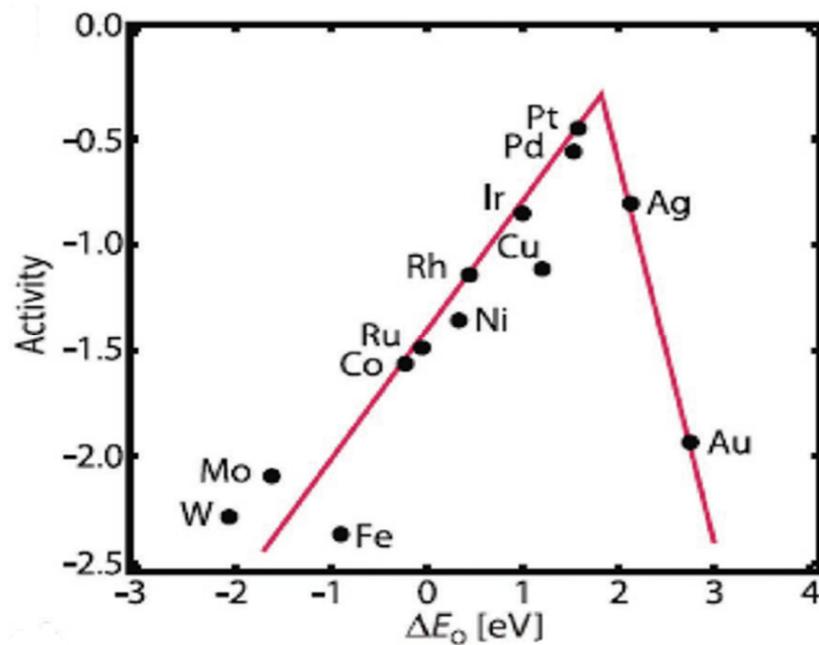


Figure S2. Trends in oxygen reduction activity plotted as a function of the oxygen-binding energy, adapted from [2].

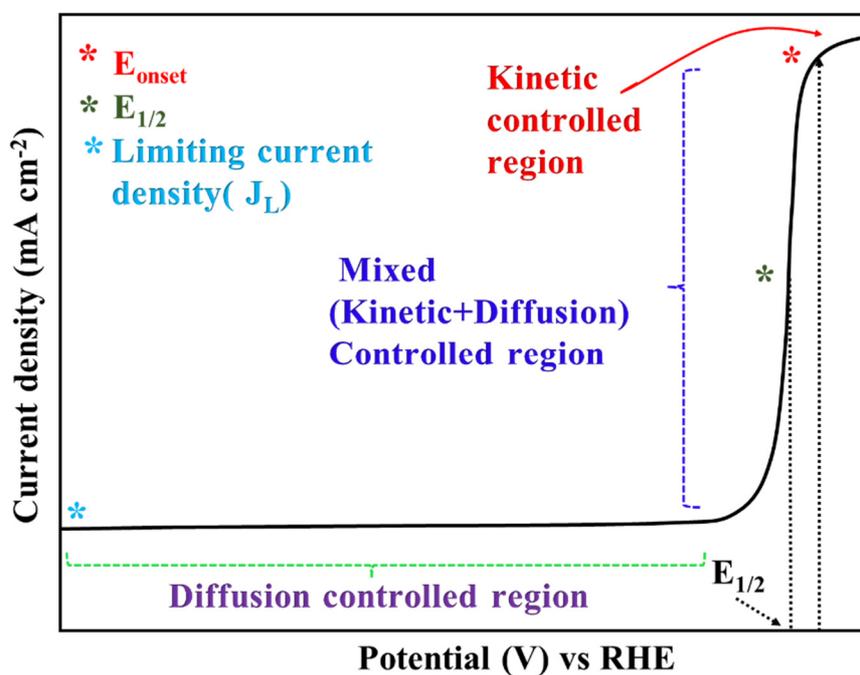


Figure S3. Typical LSV polarization curve for ORR with different regions.

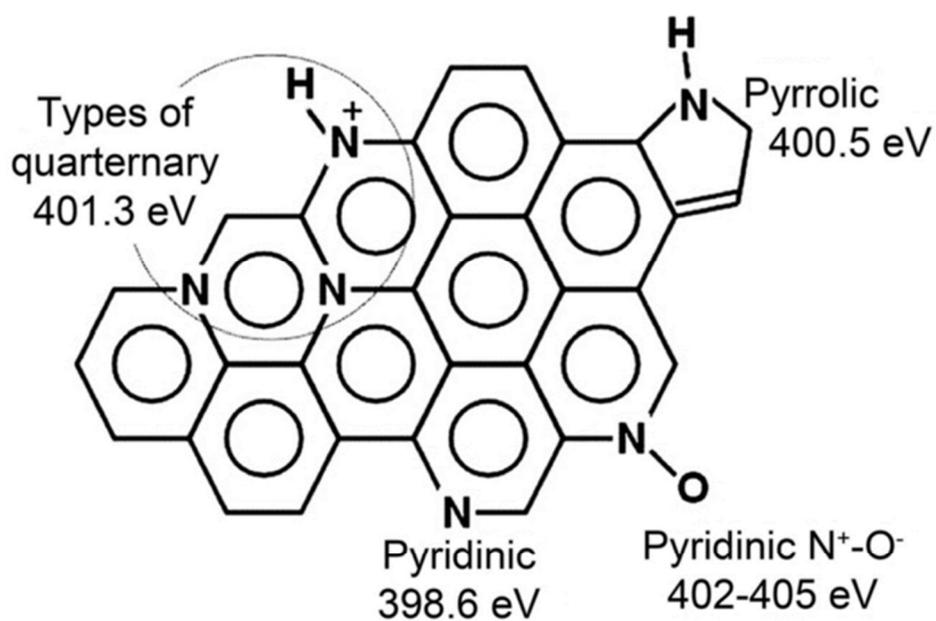


Figure S4. Different forms of doped nitrogen in nitrogen-functionalized carbon, adapted from [3].

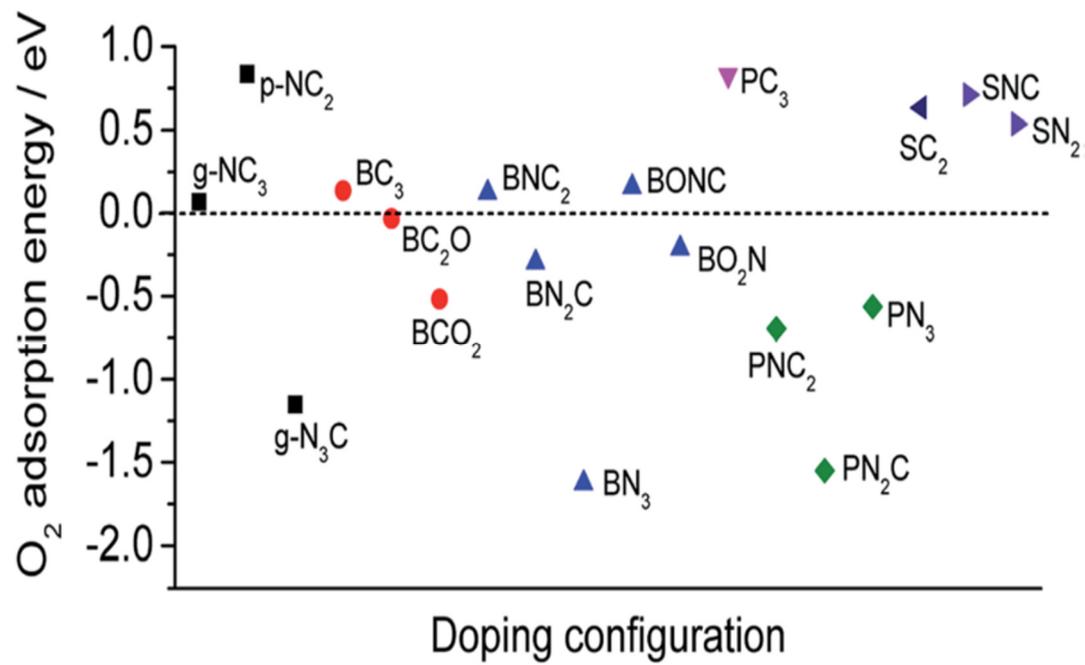


Figure S5. O₂ adsorption energy of all the doping configurations, adapted from [4].

References

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