

## Accepted Manuscript

Title: Synergistically enhanced activity of nitrogen-doped carbon dots/graphene composites for oxygen reduction reaction

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PII: S0169-4332(17)31880-9  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2017.06.225>  
Reference: APSUSC 36425

To appear in: *APSUSC*

Received date: 19-4-2017  
Revised date: 17-6-2017  
Accepted date: 21-6-2017

Please cite this article as: Hui Liu, Qingshan Zhao, Jingyan Liu, Xiao Ma, Yuan Rao, Xiaodong Shao, Zhongtao Li, Wenting Wu, Hui Ning, Mingbo Wu, Synergistically enhanced activity of nitrogen-doped carbon dots/graphene composites for oxygen reduction reaction, *Applied Surface Science* <http://dx.doi.org/10.1016/j.apsusc.2017.06.225>

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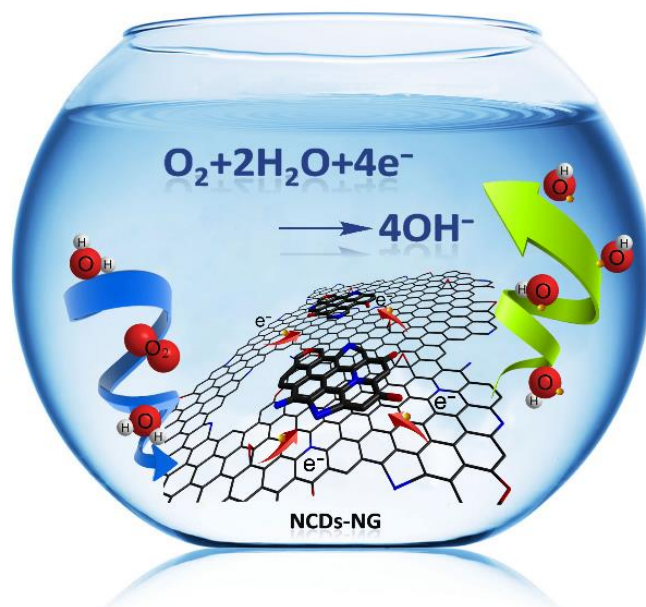
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**Graphical abstract**

A mild hydrothermal strategy was developed to construct nitrogen-doped carbon dots/graphene (NCDs-NG) composites for ORR.



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