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PII: S0304-3894(18)30745-3
DOI: https://doi.org/10.1016/j.jhazmat.2018.08.058
Reference: HAZMAT 19682

To appear in: *Journal of Hazardous Materials*

Received date: 27-3-2018
Revised date: 16-8-2018
Accepted date: 17-8-2018

Please cite this article as: Huang B, Li N, Lin W, Li H, A highly ordered honeycomb-like nickel(III/II) oxide-enhanced photocatalytic fuel cell for effective degradation of bisphenol A, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.08.058

A highly ordered honeycomb-like nickel(III/II) oxide-enhanced photocatalytic fuel cell for effective degradation of bisphenol A

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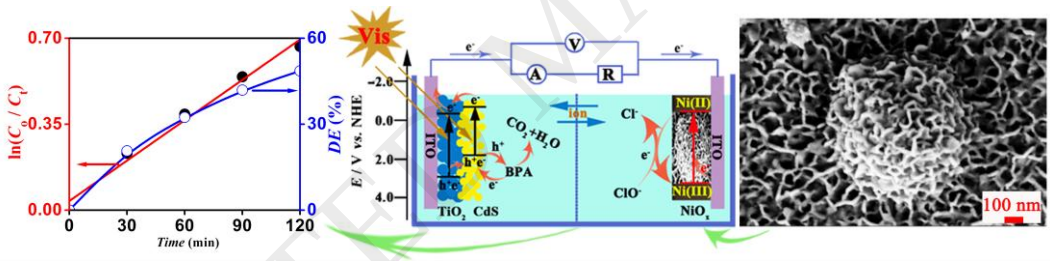
Graphical abstract



Highlights

- Highly interpenetrated honeycomb-like H-NiO_x is prepared by AO-ED methods.
- Redox-active H-NiO_x exhibits smaller charge transfer resistance than C-NiO_x.
- The H-NiO_x cathode promotes BPA degradation in photocatalytic fuel