

Accepted Manuscript

Title: Work function modifications of graphite surface via oxygen plasma treatment

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PII: S0169-4332(17)31309-0
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2017.05.007>
Reference: APSUSC 35942

To appear in: *APSUSC*

Received date: 24-2-2017
Revised date: 11-4-2017
Accepted date: 2-5-2017

Please cite this article as: J.Duch, P.Kubisiak, K.H.Adolfsson, M.Hakkarainen, M.Gołda-Cępa, A.Kotarba, Work function modifications of graphite surface via oxygen plasma treatment, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2017.05.007>

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Work function modifications of graphite surface via oxygen plasma treatment

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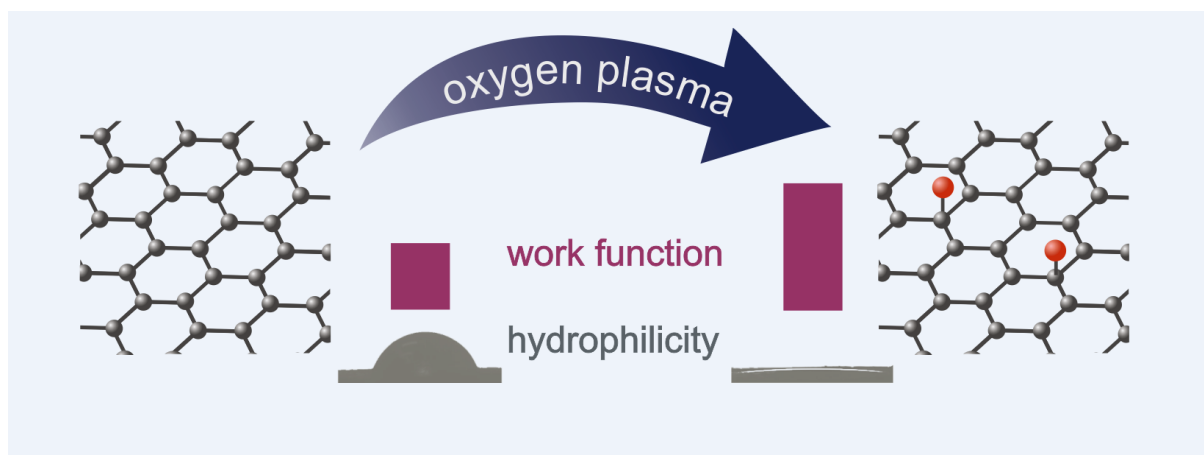
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Graphical abstract



Highlights

- Substantial modifications of graphite surface by oxygen plasma treatment
- Correlation between work function and wettability established
- Surface coverage of OH groups rationalized in terms of Helmholtz model

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