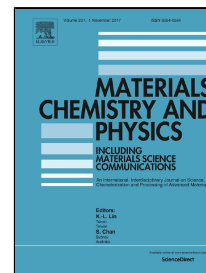


Accepted Manuscript

Comparative study of different scalable routes to synthesize graphene oxide and reduced graphene oxide



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PII: S0254-0584(17)30795-2

DOI: 10.1016/j.matchemphys.2017.10.013

Reference: MAC 20052

To appear in: *Materials Chemistry and Physics*

Received Date: 12 July 2017

Revised Date: 20 September 2017

Accepted Date: 06 October 2017

Please cite this article as: A. Romero, M.P. Lavin-Lopez, L. Sanchez-Silva, J.L. Valverde, A. Paton-Carrero, Comparative study of different scalable routes to synthesize graphene oxide and reduced graphene oxide, *Materials Chemistry and Physics* (2017), doi: 10.1016/j.matchemphys.2017.10.013

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Highlights:

- A environmentally friendly oxidant to synthesized Graphite Oxide is proposed.
- Result was compared with Graphite Oxide synthesized by the Improved Hummer Method.
- A less oxidized GrO, which could be useful for several applications, was obtained.
- Graphene Oxide (GO) and Reduced Graphene Oxide (RGO) were obtained from both GrO.

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