

Accepted Manuscript

Multilayered Graphene Oxide Membrane for Water Treatment: A Review

Yi Wei, Yushan Zhang, Xueli Gao, Zhun Ma, Xiaojuan Wang, Congjie Gao

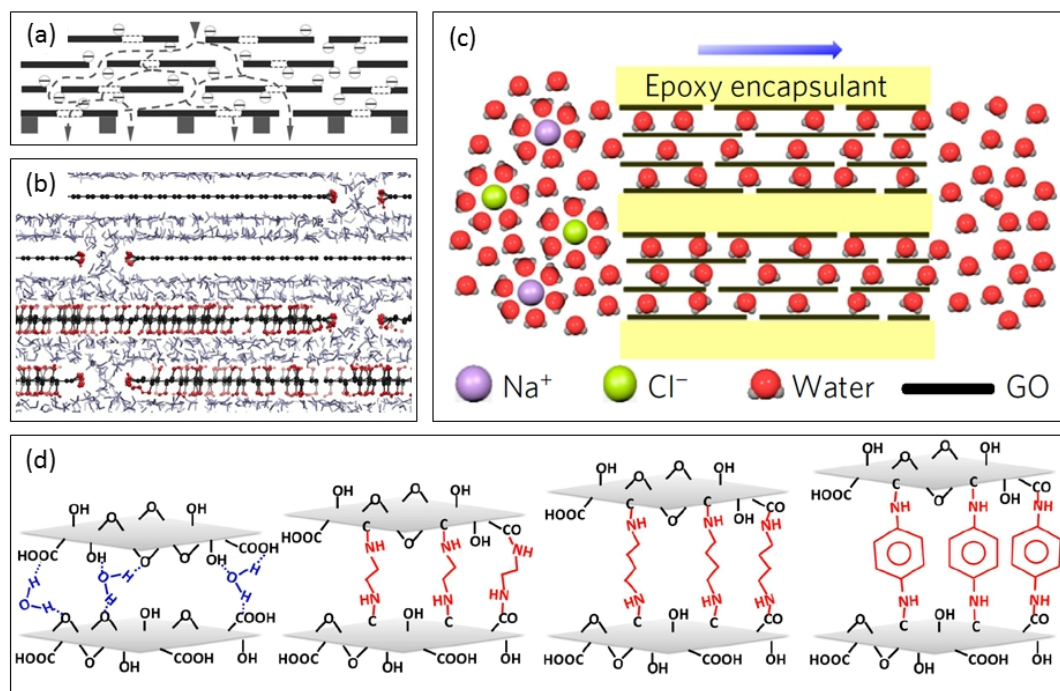


PII: S0008-6223(18)30690-0
DOI: 10.1016/j.carbon.2018.07.040
Reference: CARBON 13321
To appear in: *Carbon*
Received Date: 27 March 2018
Accepted Date: 20 July 2018

Please cite this article as: Yi Wei, Yushan Zhang, Xueli Gao, Zhun Ma, Xiaojuan Wang, Congjie Gao, Multilayered Graphene Oxide Membrane for Water Treatment: A Review, *Carbon* (2018), doi: 10.1016/j.carbon.2018.07.040

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Graphical Abstract:



The graphical abstract includes some vary representative schematic views for permeation route in multilayered GO membrane [1-2], a new structure of multilayered GO membrane [3], and three kinds of crosslinked GO nanosheets [4].

References:

- [1] Y. Han, Z. Xu, C. Gao, *Advanced Functional Materials* 23 (2013) 3693-3700.
- [2] J. A. L. Willcox, H. J. Kim, *The Journal of Physical Chemistry C* 121 (2017) 23659-23668.
- [3] J. Abraham, K. S. Vasu, C. D. Williams, K. Gopinadhan, Y. Su, C. T. Cherian, J. Dix, E. Prestat, S. J. Haigh, I. V. Grigorieva, *Nature Nanotechnology* 12 (2017) 546-550.
- [4] W. Hung, C. Tsou, M. De Guzman, Q. An, Y. Liu, Y. Zhang, C. Hu, K. Lee, J. Lai, *Chemistry of Materials* 26 (2014) 2983-2990.

Download English Version:

<https://daneshyari.com/en/article/7847080>

Download Persian Version:

<https://daneshyari.com/article/7847080>

[Daneshyari.com](https://daneshyari.com)