### Author's Accepted Manuscript

Graphene Oxide Quantum Dots Incorporated Nanocomposite Membranes with High Water Flux for Pervaporative Dehydration

Manru Wang, Fusheng Pan, Leixin Yang, Yimeng Song, Hong Wu, Xuanxuan Cheng, Guanhua Liu, Hao Yang, Hongjian Wang, Zhongyi Jiang, Xingzhong Cao



# PII: S0376-7388(18)30334-X DOI: https://doi.org/10.1016/j.memsci.2018.06.062 Reference: MEMSCI16279

To appear in: Journal of Membrane Science

Received date:4 February 2018Revised date:27 June 2018Accepted date:30 June 2018

Cite this article as: Manru Wang, Fusheng Pan, Leixin Yang, Yimeng Song, Hong Wu, Xuanxuan Cheng, Guanhua Liu, Hao Yang, Hongjian Wang, Zhongyi Jiang and Xingzhong Cao, Graphene Oxide Quantum Dots Incorporated Nanocomposite Membranes with High Water Flux for Pervaporative D e h y d r a t i o n , *Journal of Membrane Science*, https://doi.org/10.1016/j.memsci.2018.06.062

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 galley proof before it is published in its final citable 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.

#### **ACCEPTED MANUSCRIPT**

## Graphene Oxide Quantum Dots Incorporated Nanocomposite Membranes with High Water Flux for Pervaporative Dehydration

Manru Wang<sup>a,b</sup>, Fusheng Pan<sup>a,b,c\*</sup>, Leixin Yang<sup>a,b</sup>, Yimeng Song<sup>a,b</sup>, Hong Wu<sup>a,b,c\*</sup>,

Xuanxuan Cheng<sup>a,b</sup>, Guanhua Liu<sup>a,b</sup>, Hao Yang<sup>a,b</sup>, Hongjian Wang<sup>a,b</sup>, Zhongyi

Jiang<sup>a,b,c</sup>, Xingzhong Cao<sup>d</sup>

<sup>a</sup>Key Laboratory for Green Chemical Technology of Ministry of Education, School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China

<sup>b</sup>Collaborative Innovation Center of Chemical Science and Engineering (Tianjin),

Tianjin 300072, China

<sup>c</sup>Tianjin Key Laboratory of Membrane Science and Desalination Technology, Tianjin University, Tianjin 300072, China

<sup>d</sup>Key Laboratory of Nuclear Analysis Techniques, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049, China

*E-mail*: wuhong@tju.edu.cn (H. Wu)

*E-mail*: fspan@tju.edu.cn (F. Pan)

\*Corresponding author Tel.: 86-22-23500086. Fax: 86-22-23500086.

#### Abstract

Graphene oxide quantum dots (GOQDs), which inherit the monolayer of sp<sup>2</sup> carbon

Download English Version:

## https://daneshyari.com/en/article/7019758

Download Persian Version:

https://daneshyari.com/article/7019758

Daneshyari.com