Accepted Manuscript

Amino functionalized silica nanoparticles incorporated thin film nanocomposite membrane with suppressed aggregation and high desalination performance

Hamidreza Abadikhah, Ehsan Naderi Kalali, Shabnam Behzadi, Sayed Ali Khan, Xin Xu, Simeon Agathopoulos

PII: S0032-3861(18)30838-3

DOI: 10.1016/j.polymer.2018.09.007

Reference: JPOL 20892

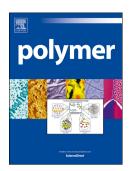
To appear in: Polymer

Received Date: 26 June 2018 Revised Date: 6 August 2018

Accepted Date: 6 September 2018

Please cite this article as: Abadikhah H, Kalali EN, Behzadi S, Khan SA, Xu X, Agathopoulos S, Amino functionalized silica nanoparticles incorporated thin film nanocomposite membrane with suppressed aggregation and high desalination performance, Polymer (2018), doi: 10.1016/j.polymer.2018.09.007.

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.



ACCEPTED MANUSCRIPT

Amino functionalized silica nanoparticles incorporated thin film nanocomposite membrane with suppressed aggregation and high

desalination performance

Hamidreza Abadikhah¹, Ehsan Naderi Kalali², Shabnam Behzadi³, Sayed Ali Khan¹,

Xin Xu^{*1}, Simeon Agathopoulos⁴

¹CAS Key Laboratory of Materials for Energy Conversion, Department of Materials Science and

Engineering, University of Science and Technology of China, Hefei, Anhui 230026, P.R. China

²State Key Laboratory of Fire Science, University of Science and Technology of China, Hefei,

Anhui 230027, P.R. China

³Key Laboratory of Soft Matter Chemistry, Chinese Academy of Sciences, Department of

Polymer Science and Engineering, University of Science and Technology of China, Hefei, Anhui

230026 P.R. China

⁴ Department of Materials Science and Engineering, University of Ioannina, GR-45110 Ioannina,

Greece

Corresponding author: Xin Xu

Professor of Materials Science

Department of Materials Science and Engineering

School of Chemistry and Materials Science

University of Science and Technology of China

Hefei, Anhui 230026, P. R. China

E-mail: xuxin@ustc.edu.cn

1

Download English Version:

https://daneshyari.com/en/article/10147539

Download Persian Version:

https://daneshyari.com/article/10147539

<u>Daneshyari.com</u>