### Author's Accepted Manuscript

Studying Water and Solute Transport through Desalination Membranes via Neutron Radiography

Devin L. Shaffer, Jacob M. LaManna, David L. Jacobson, Daniel S. Hussey, Menachem Elimelech, Edwin P. Chan



PII: S0376-7388(17)31443-6

DOI: https://doi.org/10.1016/j.memsci.2017.10.046

MEMSCI15673 Reference:

To appear in: Journal of Membrane Science

Received date: 19 May 2017 Revised date: 10 October 2017 Accepted date: 23 October 2017

Cite this article as: Devin L. Shaffer, Jacob M. LaManna, David L. Jacobson, Daniel S. Hussey, Menachem Elimelech and Edwin P. Chan, Studying Water and Solute Transport through Desalination Membranes via Neutron Radiography, Journal of Membrane Science, https://doi.org/10.1016/j.memsci.2017.10.046

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

# Studying Water and Solute Transport through Desalination Membranes via Neutron Radiography

Devin L. Shaffer<sup>a</sup>, Jacob M. LaManna<sup>b</sup>, David L. Jacobson<sup>b</sup>, Daniel S. Hussey<sup>b</sup>,

Menachem Elimelech<sup>c</sup>, Edwin P. Chan<sup>a\*</sup>

submitted to Journal of Membrane Science

May 19, 2017

Revised: October 6, 2017

<sup>&</sup>lt;sup>a</sup> Materials Science and Engineering Division, Material Measurement Laboratory, National Institute of Standards and Technology (NIST), 100 Bureau Drive, Gaithersburg, MD 20899, USA

<sup>&</sup>lt;sup>b</sup> Radiation Physics Division, Physical Measurement Laboratory, National Institute of Standards and Technology (NIST), 100 Bureau Drive, Gaithersburg, MD 20899, USA

<sup>&</sup>lt;sup>c</sup> Department of Chemical & Environmental Engineering, Yale University, New Haven, CT 06520, USA

<sup>\*</sup> Corresponding author: E.P. Chan. tel.: 301-975-5228; fax: 301-975-4924; email: edwin.chan@nist.gov

#### Download English Version:

# https://daneshyari.com/en/article/7020334

Download Persian Version:

https://daneshyari.com/article/7020334

<u>Daneshyari.com</u>