

Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4'-azodianiline and bio-adhesive polydopamine

Sankara Narayanan Ramanan, Nima Shahkaramipour, Thien Tran, Lingxiang Zhu, Surendar R. Venna, Chang-Keun Lim, Ajay Singh, Paras N. Prasad, Haiqing Lin



PII: S0376-7388(17)32095-1
DOI: <https://doi.org/10.1016/j.memsci.2018.02.068>
Reference: MEMSCI15993

To appear in: *Journal of Membrane Science*

Received date: 23 July 2017
Revised date: 5 December 2017
Accepted date: 27 February 2018

Cite this article as: Sankara Narayanan Ramanan, Nima Shahkaramipour, Thien Tran, Lingxiang Zhu, Surendar R. Venna, Chang-Keun Lim, Ajay Singh, Paras N. Prasad and Haiqing Lin, Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4'-azodianiline and bio-adhesive polydopamine, *Journal of Membrane Science*, <https://doi.org/10.1016/j.memsci.2018.02.068>

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.

Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4'-azodianiline and bio-adhesive polydopamine

Sankara Narayanan Ramanan^a, Nima Shahkaramipour^a, Thien Tran^a, Lingxiang Zhu^a, Surendar R. Venna^b, Chang-Keun Lim^c, Ajay Singh^c, Paras N. Prasad^c and Haiqing Lin^{a,*}

^aDepartment of Chemical and Biological Engineering, University at Buffalo, The State University of New York, Buffalo, NY 14260, USA

^bNational Energy Technology Laboratory/AECOM, 626 Cochran Mill Rd., Pittsburgh, PA 15236, USA

^cThe Institute for Lasers, Photonics and Biophotonics, University at Buffalo, The State University of New York, Buffalo, NY 14260, USA

*Corresponding author. Tel: +1-716-645-1856, Email: haiqingl@buffalo.edu (H. Lin)

Download English Version:

<https://daneshyari.com/en/article/7019963>

Download Persian Version:

<https://daneshyari.com/article/7019963>

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