

Accepted Manuscript

Title: Design, synthesis and characterization of polysiloxane and polyetherdiamine based comb-shaped hybrid solid polymer electrolytes for applications in electrochemical devices

Authors: Juti Rani Deka, Diganta Saikia, Gwo-Wei Lou, Chien-Hua Lin, Jason Fang, Yung-Chin Yang, Hsien-Ming Kao

PII: S0025-5408(18)31281-9
DOI: <https://doi.org/10.1016/j.materresbull.2018.09.003>
Reference: MRB 10170

To appear in: *MRB*

Received date: 26-4-2018
Revised date: 3-8-2018
Accepted date: 3-9-2018

Please cite this article as: Rani Deka J, Saikia D, Lou G-Wei, Lin C-Hua, Fang J, Yang Y-Chin, Kao H-Ming, Design, synthesis and characterization of polysiloxane and polyetherdiamine based comb-shaped hybrid solid polymer electrolytes for applications in electrochemical devices, *Materials Research Bulletin* (2018), <https://doi.org/10.1016/j.materresbull.2018.09.003>

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.



Design, synthesis and characterization of polysiloxane and polyetherdiamine based comb-shaped hybrid solid polymer electrolytes for applications in electrochemical devices

Juti Rani Deka,¹ Diganta Saikia,² Gwo-Wei Lou,² Chien-Hua Lin,² Jason Fang,³ Yung-Chin Yang^{1,*} and Hsien-Ming Kao^{2,*}

¹ Institute of Materials Science and Engineering, National Taipei University of Technology, Taipei 106, Taiwan, R.O.C.

² Department of Chemistry, National Central University, Chung-Li, 32054, Taiwan, R.O.C.

³ Department of Fuel Cell Materials and Advanced Capacitors, Division of Energy Storage Materials and Technology, Material and Chemical Laboratories, Industrial Technology Research Institute, Hsin-Chu 300, R.O.C.

*Corresponding authors: Hsien-Ming Kao

E-mail: hmkao@cc.ncu.edu.tw

Tel.: +886-3-4275054

Fax: + 886-3-4227664

Yung-Chin Yang

E-mail: ycyang@ntut.edu.tw

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/10155589>

Download Persian Version:

<https://daneshyari.com/article/10155589>

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