www.elsevier.com/locate/memsci

A star-shaped solid composite electrolyte containing multifunctional moieties with enhanced electrochemical properties for all solid-state lithium batteries

Jinfang Zhang, Cheng Ma, Hua Hou, Xiaofeng Li, Libao Chen, Douglas G. Ivey, Weifeng Wei

PII: S0376-7388(17)32996-4
DOI: https://doi.org/10.1016/j.memsci.2018.01.063
Reference: MEMSCI15917

To appear in: *Journal of Membrane Science*

Received date: 19 October 2017
Revised date: 23 January 2018
Accepted date: 26 January 2018

Cite this article as: Jinfang Zhang, Cheng Ma, Hua Hou, Xiaofeng Li, Libao Chen, Douglas G. Ivey and Weifeng Wei, A star-shaped solid composite electrolyte containing multifunctional moieties with enhanced electrochemical properties for all solid-state lithium batteries, *Journal of Membrane Science,* https://doi.org/10.1016/j.memsci.2018.01.063

A star-shaped solid composite electrolyte containing multifunctional moieties with enhanced electrochemical properties for all solid-state lithium batteries

Jinfang Zhang [a,b,†], Cheng Ma [b,†], Hua Hou [a], Xiaofeng Li [a], Libao Chen [b], Douglas G. Ivey [c], Weifeng Wei [b,*]

† These authors contributed equally to this work

[a] School of Materials Science and Engineering, North University of China, Taiyuan, Shanxi, 030051, P. R. China

[b] State Key Laboratory of Powder Metallurgy, Central South University, Changsha, Hunan, 410083, P. R. China

[c] Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 1H9

* Corresponding author: Fax/Tel: +86 73188877876;

E-mail: weifengwei@csu.edu.cn