

# Accepted Manuscript

Synthesis of highly proton-conductive poly(arylene ether sulfone) bearing perfluoroalkyl sulfonic acids *via* polymer post-modification

Yafeng Zeng, Liang Gu, Lifen Zhang, Zhenping Cheng, Xiulin Zhu



PII: S0032-3861(17)30704-8

DOI: [10.1016/j.polymer.2017.07.037](https://doi.org/10.1016/j.polymer.2017.07.037)

Reference: JPOL 19849

To appear in: *Polymer*

Received Date: 19 February 2017

Revised Date: 29 June 2017

Accepted Date: 14 July 2017

Please cite this article as: Zeng Y, Gu L, Zhang L, Cheng Z, Zhu X, Synthesis of highly proton-conductive poly(arylene ether sulfone) bearing perfluoroalkyl sulfonic acids *via* polymer post-modification, *Polymer* (2017), doi: 10.1016/j.polymer.2017.07.037.

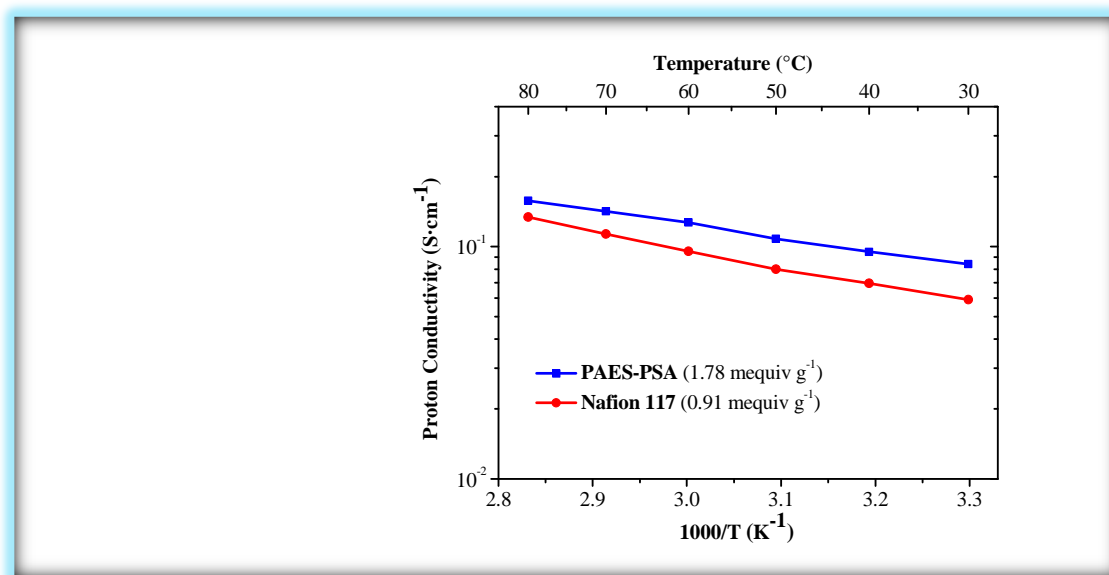
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please 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.

# Synthesis of highly proton-conductive poly(arylene ether sulfone) bearing perfluoroalkyl sulfonic acids *via* polymer post-modification

Yafeng Zeng, Liang Gu, Lifan Zhang\*, Zhenping Cheng\* and Xiulin Zhu

*Suzhou Key Laboratory of Macromolecular Design and Precision Synthesis, Jiangsu Key Laboratory of Advanced Functional Polymer Design and Application, State and Local Joint Engineering Laboratory for Novel Functional Polymeric Materials, Department of Polymer Science and Engineering, College of Chemistry, Chemical Engineering and Materials Science, Soochow University, Suzhou 215123, China.*

## Graphical Abstract:



\* Corresponding authors. Fax: 86-512-65882787. E-mail address: [chengzhenping@suda.edu.cn](mailto:chengzhenping@suda.edu.cn) (Z. P. Cheng), [zhanglifan@suda.edu.cn](mailto:zhanglifan@suda.edu.cn) (L. F. Zhang).

Download English Version:

<https://daneshyari.com/en/article/5177717>

Download Persian Version:

<https://daneshyari.com/article/5177717>

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