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### ACCEPTED MANUSCRIPT

# Effect of Fixed Charge Group Concentration on Salt Permeability and Diffusion Coefficients in Ion Exchange Membranes

Jovan Kamcev<sup>1</sup>, Cara M. Doherty<sup>2</sup>, Kian P. Lopez<sup>1</sup>, Anita J. Hill<sup>2</sup>, Donald R. Paul<sup>1</sup>, Benny D. Freeman<sup>1</sup>\*

<sup>1</sup>McKetta Department of Chemical Engineering, Center for Energy and Environmental Resources, and Texas Materials Institute, The University of Texas at Austin, 10100 Burnet Road Building 133 (CEER), Austin, TX 78758 USA

<sup>2</sup>CSIRO Manufacturing, Private Bag 10, Clayton South MDC, Clayton VIC 3169, Australia

 $*Correspondence: Tel: +1-512-232-2803, Fax: +1-512-232-2807. \ free man@che.utexas.edu$ 

### **Abstract**

This report presents a systematic investigation of the influence of fixed charge group concentration on salt diffusion coefficients in ion exchange membranes. Cross-linked cation and anion exchange membranes (CEMs and AEMs) having different fixed charge group concentrations and similar water content were synthesized via a one-step free radical

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