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## ACCEPTED MANUSCRIPT

1 **Computer-assisted Simulation and** 1 **Optimisation of Retention in Ion** 2 Chromatography 3 4 Boon K. Ng<sup>1,2</sup>, Timothy T.Y. Tan², Robert A. Shellie¹, Greg W. Dicinoski¹, Paul R. 5 Haddad1 6 7 <sup>1</sup> Australian Centre for Research on Separation Science (ACROSS), School of 8 9 Chemistry, University of Tasmania, Private Bag 75, Hobart, 7001, Australia <sup>2</sup> School of Chemical and Biomedical Engineering, Nanyang Technological 10 University, 62 Nanyang Drive, Singapore 637459 11 12 13 <sup>™</sup> Corresponding Author: Boon K. Ng 14 Email: bkng@ntu.edu.sg 15 Tel: +65 6513 7689 16

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