**Electronic Supplementary Information 4:** 

## Surface effects on the structure and mobility of the ionic liquid $C_6C_1$ ImTFSI in silica gels

Moheb Nayeri,<sup>‡a</sup> Matthew T. Aronson,<sup>b</sup> Diana Bernin,<sup>c</sup> Bradley F. Chmelka,<sup>b</sup> and Anna Martinelli<sup>‡a</sup>

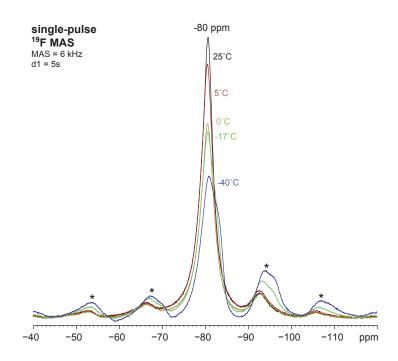


Fig. 1 Solid-state 1D single-pulse <sup>19</sup>F NMR experiments conducted at room temperature on the dehydrated ionogel sample.

<sup>&</sup>lt;sup>a</sup> Applied Surface Chemistry, Chemical and Biological Engineering, Chalmers University of Technology, Gothenburg, Sweden.

<sup>&</sup>lt;sup>b</sup> Department of Chemical Engineering, University of California, Santa Barbara, California 93106 USA.

<sup>&</sup>lt;sup>c</sup> Swedish NMR Centre, University of Gothenburg, Gothenburg, Sweden.

<sup>‡</sup> Email: moheb.nayeri@chalmers.se, anna.martinelli@chalmers.se