

## Electronic Supplementary Information

# **A new highly conductive organic-inorganic solid polymer electrolyte based on a di-ureasil matrix doped with lithium perchlorate**

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**Fig. S1** IR fitting results (in the range of 600-660  $\text{cm}^{-1}$ ) of PT-ED-n hybrid electrolytes with various [O]/[Li] ratios, where n = (a) 32, (b) 24, (c) 16, and (d) 8.

