CORRIGENDUM

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A Review of Polymer-based Solid-State Electrolytes for Lithium-Metal Batteries: Structure, Kinetic, Interface Stability, and Application

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The authors and the Editorial Office have identified an error in Figure 2(c). One of the cited references was incorrect and, therefore, Figure 2(c) should be removed (see the updated figure below). The following texts mentioning Figure 2 on Page 4 should be revised:
For example, **Ran** et al. crosslinked a hydrolyzed polymaleic anhydride (HPMA) low-molecular polymer plasticizer with PEO and lithium salt by a solution casting method in **Figure 2(c)**.[28]
This should be changed to:
For example, **Wang** et al. crosslinked a hydrolyzed polymaleic anhydride (HPMA) low-molecular polymer plasticizer with PEO and lithium salt by a solution casting method.[28]

Similarly, He et al. creatively designed the intermolecular interaction between vinyl carbonate (EC) and active inorganic filler Ta doped $Li_7La_3Zr_2O_{12}$ (LLZTO) in $P(EO)_{15}$LiTFSI to solve the problem of poor room temperature conductivity of PEO based polymer electrolyte in **Figure 2(d)**.[30]
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Further mentions of Figure 2 on Page 5 should also be revised:
To further improve the ionic conductivity and thermal stability, He and co-workers investigated the influence of the two kinds of PEGDA molecular weights and SN-LiTFSI concentration for photopolymerizing in the isotropic from the ternary phase diagram in **Figure 2(e)**.[37] With the molecular weight of PEGDA increased from 700 to 6000 g mol^{-1}, the cross-linking point of the photopolymer reaction is decreased, which has higher ionic conductivity and flexibility. In addition, the glass transition temperature (T_g) rises as the concentration of lithium salt increases, which originates from the instantaneous physical cross-linking of ion–polyether oxygen coordination bonds and the chemical cross-linking of the PEGDA network **(Figure 2(f))**.[38]
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Moreover, Ref. [28] has been updated.

The authors and Editorial Office apologize for the oversight and for any inconvenience caused.

[28] G. Wang, X. Zhu, A. Rashid, Z. Hu, P. Sun, Q. Zhang, L. Zhang, *J. Mater. Chem. A*, **2020**, *8*, 13351–13363.

Corrigendum
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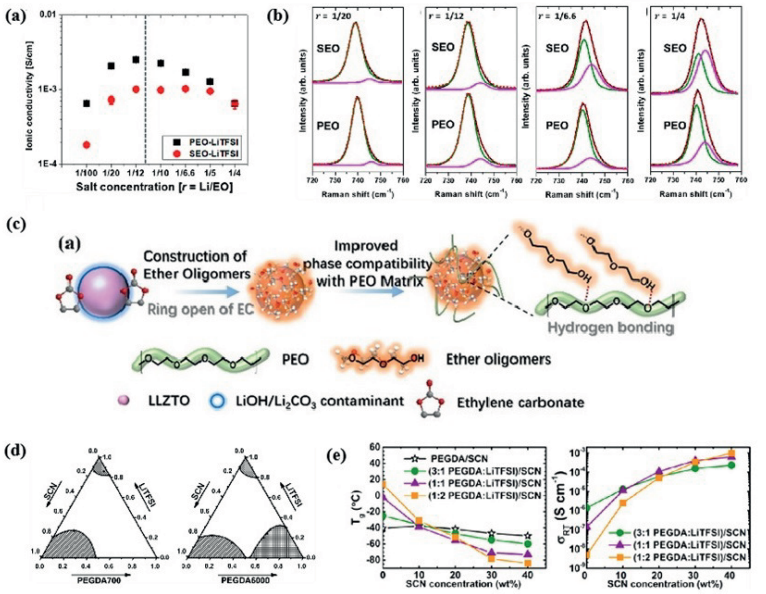

Figure 2. a) PEO-LiTFSI and SEO-LiTFSI as a function of salt concentration-conductivity at 100 °C ; b) Raman spectra for SEO-LiTFSI and PEO-LiTFSI films at salt concentrations [The dissociated "free" (green) and associated ion species (purple)]. Adapted with permission from Ref. [25]. Copyright (2021) American Chemical Society. c) The interaction mechanism of LLZTO with EC in PEO. Adapted with permission from Ref. [30]. Copyright (2021) Wiley-VCH GmbH. d) Ternary phase diagram of PEGDA700 and PEGDA6000 blends at 25 °C. Adapted with permission from Ref. [37]. Copyright (2015) Elsevier B.V. e) DSC-Tg and room temperature ionic conductivity of various plasticized PEM systems. Adapted with permission from Ref. [38]. Copyright (2016) American Chemical Society.