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## Local-structure Analysis of Li Oxy-sulfide Glass-Ceramic Solid Electrolytes

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The local structure and Temperature-dependent crystallisation behaviour of oxygen doped Li thiophosphates, synthesised with two different sets of starting materials were investigated and compared, using mainly powder x-ray diffraction (PXRD) and pair distribution function (PDF) analysis.

Subsequently, impedance measurements were carried out to derive links between local structure and ionic conductivities.

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